

# Water System Loss Report

Year 2012 Utility ALMA MUNICIPAL WATER UTILITY ID 80 Class D Submission # 125 Date 29-Nov-12  
Contact Calvin Loewenhagen Phone (608) 685-4529 Email almawwtp@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility ATHENS MUNICIPAL WATER UTILITY ID 260 Class D Submission # 129 Date 29-Nov-12

Contact Allen Belter Phone 715 257-9114 Email athensclerk@villageofathens.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility BAGLEY MUNICIPAL WATER UTILITY ID 310 Class D Submission # 33 Date 20-Jan-11

Contact Ken Van Loo Phone (608)996-2769 Email villbag@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well 1 4" meter last test date-10/24/2007  
Well 2 6" meter last test date- 10/24/2007

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan In 2009 the Village had 8 laterals leaks. We have a hard time finding these leaks because of the sandy soil & plastic pipe. Then, when we do find the leaks, it can take days for the plumber to come and fix the leak. We do use Water Leak Locators to help in finding of leaks. We also use WRWA to help and use their leak locators. Are goal for 2011 and the future is to run area pressurized checks on the distribution system.

Year 2012 Utility BAYFIELD WATER AND SEWER UTILITY ID 385 Class D Submission # 130 Date 29-Nov-12

Contact Nick Wszalek, Operator Phone (715) 779-5731 Email cityws@cityofbayfield.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2010 Utility BAYFIELD WATER AND SEWER UTILITY ID 385 Class D Submission # 15 Date 08-Dec-10

Contact Thomas G. Kovachevich Phone (715) 779-5731 Email citypublicworks@charter.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details Well 3 is 8 inch meter tested 99 percent and Well 4 is 6 inch meter tested 100 percent in September 2010.

Pressure One zone with high downtown at 122 psi and low on the hill at 30 psi Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement Completed 2 projects in 2007 and 2009. Next project in 2013.

Rate Increase Plan  Rate Increase Year

Water Loss Plan We are planning another leak detection survey for 2011 and fix problems as they are located. We have contacted WRWA and will be utilizing their equipment and expertise for additional leak detection in the spring of 2011. We are implementing a new meter program in 2011 to replace old meters with radio read types.

Year 2012 Utility Benton Municipal Electric and Water Ut ID 460 Class D Submission # 75 Date 22-Oct-12

Contact Ryan L. Carver Phone (608) 759-3030 Email rcarver@bentonwi.us

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility BIRCHWOOD MUNICIPAL WATER UTILI ID 490 Class D Submission # 128 Date 29-Nov-12

Contact Robert Beffa Phone (715)-651-5877 Email vilofbwd@centurytel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility BIRNAMWOOD WATER UTILITY ID 500 Class D Submission # 116 Date 28-Nov-12

Contact Jason R. Nelson Phone 715 216 3326 Email nelsjr24@gmail.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details We have a 4inch Rosemount Mag Meter that has been calibrated on 9/6/12 with a -0.02% deviation rate for our Well House #4 and a 6inch mag meter that has been calibrated on 1/06/2009 with a 0.3% Accuracy Rate for our Well House#3.

Pressure Throughout our distribution system we have 70psi. Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance \$1,000 Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan We have been working on better documentation for showing water usage for flushing hydrants, service line breaks and recording it on a log sheet. We have been making efforts to to get help from WRWA to come and help fix hydrants and repair valves throughout the water distribution system. We are in the process of replacing about 20 residential meters this year to help with the water loss.

Year 2012 Utility BIRON MUNICIPAL WATER UTILITY ID 510 Class D Submission # 69 Date 16-Oct-12

Contact Rick O'Keefe Phone (715) 323-2001 Email bironsuper@gmail.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility BLACK EARTH WATER UTILITY ID 531 Class D Submission # 29 Date 11-Jan-11

Contact Marc Dennison Phone (608) 767-4901 Email marc@blackearthwisconsin.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2013 Utility BLUE MOUNDS MUNICIPAL WATER UTI ID 615 Class D Submission # 147 Date 06-Feb-13

Contact Dan Foster Phone (608) 576-0036 Email dpwvbm@mhtc.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility BLUFFVIEW SANITARY DISTRICT ID 627 Class D Submission # 39 Date 25-Jan-11

Contact Tom Fitzwilliams Phone (608) 355-8864 Email tomf@msa-ps.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well #1 - 3" meter installed in 2006. Has not been tested since 2006.  
Well #3 - 3" meter installed in 2006. Has not been tested since 2006.

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement  
BSD plans to install a master meter for one of their large use customers, a mobile home park, Bluffview Estates. There are 156 connections in this area that will be metered by one master meter. In order to have one metered feed point, water main looping will be constructed with the project. We believe the master meter project will reduce the amount of unaccounted loss in the system.

Rate Increase Plan  Rate Increase Year

Water Loss Plan  
There are two wells in the BSD system. Well #1 serves the residential properties on the west side of US Hwy 12. Well #3 is located on the east side of US Hwy 12 and serves the Badger Army Ammunition Plant property. Well #3 is currently an emergency backup well, and can also serve the BSD residential property on the west side of Hwy 12. BSD leases Well #3 from the Army and reports to WDNR and the PSC on the water pumpage from Well #3. However, per the agreement between BSD and the Army, BSD can not sell water to the Army, so the water pumped from Well #3 appears as an unaccounted loss. In 2010, the Army used approximately 6500 gpd, which equates to 2.3 million gallons of unaccounted water in 2010. At some time in the near future Well #3 will be transferred to BSD and at that time BSD will begin charging for water usage on the east side of Hwy 12.  
  
In 2010 Well #1 pump approximately 10.8 million gallons, which was sold to BSD customers. Well #3 pumped approximately 3.3 million gallons, 2.3 million gallons of which was delivered to the Army customers and not reported as being sold. We believe the apparent large unaccounted loss in the BSD system can be attributed to how the water pumpage and sales are reported on the PSC report. BSD will address this discrepancy in the 2010 PSC report.

Year 2012 Utility BOYD MUNICIPAL WATER AND SEWER ID 690 Class D Submission # 93 Date 12-Nov-12

Contact Thomas Grunewald Phone (715) 703-0190 Email village023@centurytel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility Cameron Municipal Water Utility ID 930 Class D Submission # 97 Date 13-Nov-12

Contact Kurt Hartwell Phone (715) 458-2158 Email Camwater@chibardun.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well #2 has a 8 inch mag meter, As Found/As Left accuracy 101.0% accuracy, test date May 22, 2012, installation date September 2011.  
Well #3 has a 6 inch prop meter, As Found/As Left 100% accuracy, test date May 22, 2012, installation date/year 2004  
Meters are tested annually.

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility Cameron Municipal Water Utility ID 930 Class D Submission # 28 Date 07-Jan-11

Contact Kurt Hartwell Phone (715) 458-2158 Email Camwater@chibardun.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well # 2- 8 inch Mag meter, as found/as left accuracy is 100%. The meter is new and was tested by the manufacture. It was installed September 2011.  
Well# 3 -6 inch Prop meter, as found accuracy 99.70% / as left accuracy 99.75%. the meter was tested November 5, 2010.  
Well meters are tested annually.

Pressure The village of Cameron water system is to small to have districts. The average system pressure ranges from 35% to 45%. Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement The village has completed a water pressure study and will replace under size water main and all four inch main in order to increase system pressure. There is currently around eight city blocks of old water mains that will be replaced when funds are available. The village has redeveloped it Well #2 and built a new well house in order to improve its water system. A water rate increase of 80% was also put through for 2011.

Rate Increase Plan  Rate Increase Year

Water Loss Plan The village with the help of Wisconsin Rural Water Association will conduct a Data Logger Study in 2011. Our aim is to find all leaks no matter the size and then make repairs.

Year 2012 Utility CHASEBURG WATER UTILITY ID 1060 Class D Submission # 77 Date 23-Oct-12

Contact Brian Dayton Phone (608)483-2660 Email vilchase@mwt.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility CHETEK MUNICIPAL WATER UTILITY ID 1080 Class D Submission # 98 Date 13-Nov-12

Contact Dan Knapp Phone (715) 924-4236 Email chetekcs@chibardun.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details Well #1 Mag Meter 6" installed in 2005 has not been tested. Well #2 Mag Meter 6" installed in 2003 has not been tested.

Pressure #1 Pressure district 55psi #2 pressure district 46psi Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement Replace old and undersized mains as roads are reconstructed.

Rate Increase Plan  Rate Increase Year

Water Loss Plan we fixed a large leak on July 8th on a service lateral. The last quarter we were less than 5% loss. We have been leak detecting curb stops on transite water mains. We have replaced the meter at our fill station with a new mag meter. We will continue to search for leaks and hire a leak locator annually.

Year 2011 Utility CHETEK MUNICIPAL WATER UTILITY ID 1080 Class D Submission # 51 Date 26-Jan-11  
Contact Dan Knapp Phone (715)924-4236 Email chetekcs@chibardun.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility COLFAX MUNICIPAL WATER AND SEWE ID 1270 Class D Submission # 140 Date 04-Dec-12

Contact RANDY BATES Phone (715)962-4441 Email colfaxdpw@colfaxdpw.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan WE HAD 2 WATER SERVICE BREAKS, AND ONE WENT UNDETECTED FOR A WHILE. BOTH LEAKS WERE FIXED AT THE TIME THEY WERE DETECTED.

Year 2012 Utility COLOMA MUNICIPAL WATER UTILITY ID 1280 Class D Submission # 67 Date 16-Oct-12

Contact Brenda Walker Phone (715) 228-2871 Email clerk@villageofcoloma.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility COLOMA MUNICIPAL WATER UTILITY ID 1280 Class D Submission # 63 Date 16-Feb-11

Contact Charles Johnson Phone (715)-572-3012 Email vocdpw1@uniontel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2013 Utility CRANDON WATER & SEWER UTILITY ID 1400 Class D Submission # 146 Date 28-Jan-13

Contact Bruce M. Johnson Phone (715) 478-2836 Email crandonw@frontiernet.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility Cross Plains Water Utility ID 1450 Class C Submission # 118 Date 28-Nov-12

Contact Jerry Gray Phone (608)235-1054 Email jerry@cross-plains.wi.us

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility Dallas Municipal Water Utility ID 1520 Class D Submission # 106 Date 25-Nov-12

Contact Teresa Dodge Phone (715) 418-0812 Email tsdoj@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility De Pere Water Department ID 1610 Class AB Submission # 141 Date 24-Dec-12

Contact Dan Carpenter Phone (920) 339-4063 Email dcarpenter@mail.de-pere.org

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
DP-2 8" meter tested as-found 97.0% as-left 97.0% tested October 2012  
DP-5 8" meter tested as-found 99.2% as-left 99.2% tested October 2012  
DP-3 6" meter tested as-found 98.1% as-left 98.1% tested October 2012

Pressure We have 1 pressure zone but monitor pressure at 7 different sites  
Leak Survey  Leak Survey Year  Detection Cost   
315 N 9th St. 61.5  
1304 Scheuring Rd. 51.8  
1501 Merrill St. 49.5  
1851 Enterprise Dr. 45.2  
1725 E Mathew Dr. 53  
1250 S Erie St 47.3  
1220 Mid Valley Rd. 56.9  
1451 Biotech Way 48.7

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement We replaced Ductile Iron & Cast Iron in 2012 approx. 9,700 Ft  
In 2013 we plan on replacing Cast Iron pipe and approx. the same as 2012

Rate Increase Plan  Rate Increase Year

Water Loss Plan We are doing a leak survey in 2013 that will include Hydrants, Valves, and Services.  
We are now keeping better records on main breaks, & services and checking the usage after the repair to try and figure out our water loss.  
Also we are now metering the water that we run to waste when flushing and sampling new construction and relay projects.

Year 2010 Utility Dodgeville Water Utility ID 1650 Class C Submission # 11 Date 01-Dec-10

Contact Eric Friedrich Phone (608) 930-3179 Email water@mhtc.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
6" 102% as left 102% 6/21/2010  
6" 100% as left 100% 6/21/2010  
6" 100% as left 100% 1/21/2010  
8" 101% as left 101% 1/21/2010  
8" 113% as left 102% 6/21/2010

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility Downsville Sanitary District No. 1 ID 1675 Class D Submission # 133 Date 30-Nov-12

Contact Mike Sperl Phone 715 664 8622 Email dvlsandist@wwt.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility ELCHO SANITARY DISTRICT NO. 1 ID 1770 Class D Submission # 70 Date 17-Oct-12

Contact Ryan Siemers Phone (715)275-3998 Email ryanelchoco@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility ELCHO SANITARY DISTRICT NO. 1 ID 1770 Class D Submission # 36 Date 23-Jan-11

Contact Ryan Siemers Phone (715) 216-0678 Email ryanelchoco@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility EXELAND MUNICIPAL WATER UTILITY ID 1885 Class D Submission # 84 Date 28-Oct-12

Contact Susan Kopras Phone 715 943-2200 Email sdkopras@gmail.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility EXELAND MUNICIPAL WATER UTILITY ID 1885 Class D Submission # 53 Date 27-Jan-11

Contact Reilly Warner Phone (715) 943-2026 Email rwarner\_exeland@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility Fairchild Municipal Water Utility ID 1890 Class D Submission # 46 Date 26-Jan-11

Contact Curtis Eisberner Phone (715) 334-3000 Email fairville@centurytel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility Florence Utility Commission ID 2000 Class D Submission # 124 Date 29-Nov-12

Contact Bob Friberg Phone (715) 528-3330 Email rfriberg@wppienergy.org

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well #1 = 6" tested 04/17/12 High flow = 96.1% Low flow = 94.3%  
Well #2 = 6" Tested 07/23/12 High Flow = 100.6% Low Flow = 99.29%  
Well #3 = 8" Fested 04/17/12 High flow = 103.3% Low Flow = 98.9%  
Well #4 = 8" Tested 04/17/12 High flow = 102.0% Low Flow = 96.0%

Pressure Florence has 1 pressure zone. Average pressure is 72 psi. Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement As funds permit, we plan on replacing all 4" steel mains by 2015

Rate Increase Plan  Rate Increase Year

Water Loss Plan All residential and most larger size water meters have been replaced or rebuilt in the past two years. Over 3000 feet of 4" water main was replaced in 2011. All water services were leak surveyed in the summer of 2012, utilizing Utility personnel. Plans are to continue survey activities and main / service replacement as time and funds allow.

Year 2011 Utility Florence Utility Commission ID 2000 Class D Submission # 57 Date 31-Jan-11

Contact Robert Friberg Phone (715) 528-3330 Email rfriberg@wppienergy.org

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
#1 = 4"  
#2 = 4"  
#3 = 8"  
#4 = 8"  
  
Test data not available at this time. Data to be submitted at a later date

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility FONTANA MUNICIPAL WATER UTILITY ID 2020 Class C Submission # 58 Date 01-Feb-11

Contact Craig C. Workman, P.E. Phone (262) 275-3481 Email workman@villageoffontana.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well 1: 6", 105.3%, 105.3%, 9/23/2010  
Well 2: 6", 106.6%, 106.6%, 9/23/2010  
Well 3: 6", 104.9%, 104.9%, 9/23/2010  
Well 4: 8", 100.7%, 100.7%, 9/23/2010

Pressure High Altitude Zone: 70 psi Leak Survey  Leak Survey Year  Detection Cost   
Low Altitude Zone: 90 psi

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance \$106,500 Main Replacement

Infrastructure Replacement Water mains are replaced annually based on an infrastructure improvement plan. This plan uses a system of rating components of the water distribution system based on size, pressure, and known condition.

Rate Increase Plan  Rate Increase Year

Water Loss Plan In 2010, 85% of the water entering the distribution system was sold, and only 7% was unaccounted for. This reduction in water loss appears to be caused by the above mentioned infrastructure improvement plan, which will continue to be adhered to.

Year 2012 Utility CITY OF FOX LAKE WATER UTILITY ID 2080 Class D Submission # 99 Date 14-Nov-12

Contact Kip Peters Phone 920 928-3577 Email kippeters@foxlakeutilities.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility FREDERIC WATER UTILITY ID 2110 Class D Submission # 115 Date 28-Nov-12

Contact William Struck Phone 715 327-8062 Email waterdepartment@fredericwi.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well Station #2: 6", 100%, 100%, 5/16/2012  
Well Station #3: 6", 100%, 100%, 5/16/2012  
Well Station #4: 6", 99.5%, 99.5%, 5/16/2012  
Well Station #5: 6", 101%, 101%, 5/16/2012

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility CITY OF GALESVILLE MUNICIPAL WATE ID 2160 Class D Submission # 108 Date 26-Nov-12

Contact Todd Peterson Phone (608)582-4313 Email tcpeterson@cityofgalesville.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility VILLAGE OF GENOA CITY MUNICIPAL W ID 2200 Class C Submission # 34 Date 21-Jan-11

Contact Todd Schiller Phone (262)206-0360 Email gcpw@sbcglobal.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
we have 1-8" meter that was new in 2003 and last calibrated in 2003  
and also have a 6" meter that got a new meter head and calibrated in 2008

Pressure This is a small water system with system pressures ranging from 86psi down to 60psi in some areas Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement when we do any major road reconstruction we include replacing all undersized 4" main and also do repairs or replacement of any known bad water main.

Rate Increase Plan  Rate Increase Year

Water Loss Plan another professional water leak study is already ordered for the spring. We are also getting all meters 1" and larger calibrated and checked and also well meters and booster pump meters.

Year 2012 Utility GERMANTOWN WATER UTILITY ID 2210 Class AB Submission # 88 Date 06-Nov-12

Contact Daniel Ludwig Phone (262) 250-4721 Email dludwig@village.germantown.wi.us

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
3 - 6" Mag meters  
3 - 8" Mag meters  
Accuracy range from 97% to 100.3%  
Test years 2009 & 2010

Pressure Business Park (east side) - 69.3 psi Leak Survey  Leak Survey Year  Detection Cost   
Amber Drive zone - 77.3 psi  
Rest of Village system - 66.6 psi

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement  
Portions of the older system were replaced in 2010, 2011, and 2012. None is planned in 2013.  
Older ductile iron pipe is replaced as recommended by the Public Works Committe and authorized by the Village Board.

Rate Increase Plan  Rate Increase Year

Water Loss Plan  
During the drought in 2012, conditions made detection of small leaks easier to identify. Similar conditions are not reliable in the future.  
In spite of not having similar dry conditions in the future, the Utility continues to repair leaks as they happen.

Year 2011 Utility GLIDDEN SANITARY DISTRICT ID 2280 Class D Submission # 59 Date 01-Feb-11

Contact Dennis Eder Phone townofjacobs@y Email (715)264-5142

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility GOODMAN SANITARY DISTRICT NO. 1 ID 2288 Class D Submission # 111 Date 27-Nov-12

Contact Nicole Millan Phone (715) 336-2608 Email goodmansanitary@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
4" well #1 meter: tested 6/14/2010: Found 100%  
4" well #2 meter: tested 6/14/2010: Found Low (98%); Med (88%); High (81%): As left Low (102%), Med. (102%); High (103%)

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan  
2 Meters at the town's main industry were found to be reading incorrectly. (1 was due to a fire where the meter is housed. The meter and piping going to meter was damaged, allowing water to leak). A complete cross connection inspection is scheduled for the main industry. Because of the age of the buildings/piping at the industry, there may be significant water loss at this area. The industry is working with the utility to solve these issues. We believe that the inspection will help us find areas where there is water loss. Also, meter testing and replacement records have not, in the past, been kept accurately enough to easily replace old meters or test on a 10/20 year cycle. Beginning in January 2013, Meter testing will follow the same format as the cross connection inspections. We are hoping to have every residential meter tested/replaced by January 2015. The utility is continuing to inspect the accounting portion of the water loss (accuracy of flushing water mains, water use from fire department/town)

Year 2011 Utility GOODMAN SANITARY DISTRICT NO. 1 ID 2288 Class D Submission # 55 Date 31-Jan-11

Contact Nicole Millan Phone (715) 336-2608 Email goodmansanitary@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Water loss in the district has been a combination of one time events as well as an ongoing problem within the system. One-time failures throughout the system have caused significant water loss. Potential under-estimating the volume of water loss during these failures have increased the amount of unaccounted for water. The areas where there have been failures causing water loss have been repaired as they have been found: leaking valves and curb stops are two areas where leaks have been found and have been repaired. Customer services and meters are under constant inspection. There have been some unmetered connections found and remedied.

Ongoing problems within the system: Due to the small size of our system and the method of disinfection, flushing the system is done at least quarterly. There is an ongoing potential for estimation error. More consistant flushing methods are being incorporated to alieviate these errors.

Both well meters were tested in July 2010. Also, some of the larger service meters were tested at the same time. The 1" and over service meters will be on a regular test schedule.

Our last leak detection investigation was completed in 2006 with no significant findings. Our efforts will continue to be focussed on meter testing and replacement and immediate repairs.

Year 2012 Utility Gratiot Municipal Water Utility ID 2340 Class D Submission # 74 Date 18-Oct-12

Contact Brian Sigafus Phone (608) 482-0228 Email sigafus@centurylink.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility GRESHAM MUNICIPAL WATER AND SE ID 2410 Class D Submission # 65 Date 15-Oct-12

Contact art bahr Phone (715) 787-3994 Email abahr@villageofgresham.us

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility HANCOCK MUNICIPAL WATER UTILITY ID 2450 Class D Submission # 73 Date 18-Oct-12

Contact Kelley E. Kemnetz Phone (715) 249-5521 Email vhancock@uniontel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility HAWKINS MUNICIPAL WATER AND SEW ID 2490 Class D Submission # 68 Date 16-Oct-12

Contact Janice Krings Phone 715 585-6322 Email Curbandgutter@centurytel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility HIXTON MUNICIPAL WATER UTILITY ID 2570 Class D Submission # 81 Date 25-Oct-12

Contact Steve Kirschner Phone (715) 299-5821 Email hixtonwater@centurytel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility HOLLANDALE WATER UTILITY ID 2580 Class D Submission # 86 Date 29-Oct-12

Contact Keith Johnson Phone (608) 967-2600 Email holvill@mhtc.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility Village of Howard Water Department ID 2620 Class AB Submission # 95 Date 12-Nov-12

Contact Geoffrey Farr Phone (920) 434-4060 Email gfarr@villageofhoward.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2010 Utility Independence Water Utility ID 2660 Class D Submission # 14 Date 08-Dec-10

Contact Dennis Pronschinske Phone 715 985 3162 Email indeews@triwest.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility JANESVILLE WATER UTILITY ID 2740 Class AB Submission # 87 Date 02-Nov-12

Contact Craig Thiesenhusen Phone (608) 373-3471 Email thiesenhusenc@ci.janesville.wi.us

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
P.S. 12 - 20" within 1% accuracy  
P.S. 14 - 20" within 1% accuracy  
P.S. 10 - 20" within 1% accuracy north zone  
P.S. 10 - 16" within 1% accuracy south zone  
All meters tested on 10/12/10

Pressure   
  
 Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility JUNCTION CITY WATER UTILITY ID 2780 Class D Submission # 113 Date 27-Nov-12

Contact Jim Steuck Phone 715-457-6464 Email mallek@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility JUNCTION CITY WATER UTILITY ID 2780 Class D Submission # 114 Date 27-Nov-12

Contact Jim Steuck Phone (715) 457-6464 Email mallek@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure   
  
 Leak Survey  Leak Survey Year  Detection Cost

Survey Mains   
Survey Hydrants  Survey Services   
Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility JUNCTION CITY WATER UTILITY ID 2780 Class D Submission # 50 Date 26-Jan-11

Contact Jim Steuck Phone 715-457-6464 Email jctutilities@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility Kellnersville Municipal Utility ID 2805 Class D Submission # 121 Date 28-Nov-12

Contact Frank Dart Phone (920) 619-1553 Email fdmaribel@netzero.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility LAKE COMO SANITARY DISTRICT #1 ID 2973 Class C Submission # 54 Date 31-Jan-11

Contact Neal Kolb Phone (262) 248-2077 Email neal@lcsd1.org

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan 

There were 7 leaks found durring 2009. Some were due to freeze events inside houses. In these cases the owner of the property was gone for the winter. Either the meter or the valve below the meter froze and the leak was not located until water was witnessed flowing from the house. There were also a couple of cases where corrosion of copper latterals took place. In these cases it took some time for the water to flow to the surface where it could be identified as a leak. The copper latterals that were corroded by the ground were replaced with poly in order to prevent the same problem in the future. All of the leaks were repaired as soon as possible. In 2010 we had fewer leaks and from January through the end of November we had sold over 89% of the water we pumped.

Year 2013 Utility Lake Mills Light & Water ID 3000 Class C Submission # 144 Date 24-Jan-13

Contact harold dunkleberger Phone 920-648-4026 Email water@ci.lake-mills.wi.us

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
well 4 10 inch 101.0% 101.0% on 6-27-12  
Well 5 10 inch 100.4% 100.4% on 6-27-12  
Well 6 10 inch 100.3% 100.3% on 6-27-12

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan  
fix unknown leak on Prairie Ave estimated loss of 266369 gallons per day.  
repair leak at well house estimated loss 12750 gallons per day.  
Repair leaks at 2 seasonal homes estimated loss 14952 gallons per day.

Year 2012 Utility LANNON MUNICIPAL WATER UTILITY ID 3045 Class D Submission # 137 Date 04-Dec-12

Contact William Cummens/James Lamb Phone (262) 251-7690 Email jlamb@villageoflannon.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
4 inch from well to reservoir.  
8 inch from reservoir to distribtuion.  
Accuracy = 100% -.25%.  
Both relatively new (5years).  
System not in ser ice for 10 years yet.

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan  
System is relatively new - only flushing is required.  
More accurate accounting of water usage - flushing , etc. An increase in general use would reduce the loss %. Very small pumpage.  
September, 2012 average = 9.2 GPM, 2011 average = 8.8 GPM.

Year 2012 Utility LAONA SANITARY DISTRICT #1 ID 3060 Class D Submission # 92 Date 09-Nov-12

Contact chad belland Phone (715) 674-7005 Email laonasanitarydistrict@centurylink.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility LaValle Municipal Water Utility ID 3080 Class D Submission # 72 Date 18-Oct-12

Contact David Doering Phone (608) 985-8383 Email lavlib@mwt.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility LEROY SANITARY DISTRICT ID 3125 Class D Submission # 107 Date 25-Nov-12

Contact Tim Gutjahr Phone 920-960-7749 Email Zenopiggy@hotmail.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2010 Utility Linden Municipal Water Utility ID 3130 Class D Submission # 16 Date 09-Dec-10

Contact Alan Kunz Phone (608) 778-0553 Email lindenpublicworks@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan December, 10 2010

The events of water loss for the year of 2009 are as fallow:

1. April 4th- Fire 10,000 Gal
2. June- Installed new pump 950,000 Gal
3. July Installed new pump 109,000 Gal
4. July painted water tower 4,200,000 Gal
5. September Water main break 90,000 Gal

Total water loss for the year of 2009 5,359,00 Gallons

Year 2013 Utility Loganville Municipal Water & Sewer Uti ID 3170 Class D Submission # 148 Date 12-Feb-13

Contact Tom Race Phone 608 727-5981 Email Superintendent

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well #1  
Only well  
4-inch meter  
Last tested in 2012.

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement  
It has been brought up in meetings that part of the system should be replaced.  
Within the past 10 years, most of the hydrants were replaced. Maintenance and flushing is done on them annually.

Rate Increase Plan  Rate Increase Year

Water Loss Plan  
The last time for a rate increase was December 31, 2011.  
  
I have described this situation at least a couple times to the PSC. In 2012 we had water main breaks. The last one being a 39 inch section of pipe. The whole bottom of the pipe was split, it had clearly been leaking for months or years. The positioning of the pipe was approximately 50 to 75 feet from a narrow creek. The water eventually was following the least line of resistance and emptying into the creek. It never surfaced until I believe May of 2012. We thought it was a storm sewer because the road began to sink on the sewer side of the street. It's hard to estimate the amount of water lost to this main break.

Year 2010 Utility LUCK MUNICIPAL WATER UTILITY ID 3220 Class D Submission # 21 Date 16-Dec-10

Contact Seth Petersen Phone (715) 472-2038 Email volseth@lakeland.ws

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility MATTOON MUNICIPAL WATER UTILITY ID 3440 Class D Submission # 117 Date 28-Nov-12

Contact James Zahn Phone 715 489 3648 Email jzahn@villageofmattoon.org

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2010 Utility MATTOON MUNICIPAL WATER UTILITY ID 3440 Class D Submission # 17 Date 13-Dec-10

Contact James Zahn Phone 715-489-3748 Email jzahn@villageofmattoon.org

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility MELLEN WATER UTILITY ID 3530 Class D Submission # 109 Date 26-Nov-12

Contact Mitch Mesko Phone (715) 274-2136 Email scribnerb@centurytel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility MELLEN WATER UTILITY ID 3530 Class D Submission # 41 Date 25-Jan-11

Contact Mitch Mesko Phone (715) 274-2136 Email scribnerb@centurytel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well # 2 - 4" HF=100.1 % IF=100.5 % LF=96.0 % Tested 9-18-09  
Well # 3 - 4" HF=99.7 % IF=100.3 % LF=97.5 % Tested 12-17-10

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility MERCER SANITARY DISTRICT NUMBER ID 3600 Class D Submission # 112 Date 27-Nov-12

Contact Richard Graser Phone (715) 476-3574 Email rjgraser@hotmail.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan   
During 2011 the District had alot of construction. We shut down our one and only elevated water storage tank for rehabilitation. It was off line for about six weeks. during this time we had to maintain system pressure with pressure reducing valves. We wasted water through these valves for about a week. Until we installed a pressure transmitter on our well VFD drives. We wasted approximatley 3 million gallons of water during this time. This project was funded by a 154 grant through the Army Corps of Engineers. We did sbmit a bill for the water and were reimbursed for our water. I believe the PSC was not made aware of this. During this time we also were relocating some water mains for a DOT storm sewer project. We had six water main breaks directly related to the storm sewer project. We lost approximatley 150,000 gallons. We also used 2 million gallons during our spring and fall hydrany flushing. 2012 should be well under the 30% now that construction was completed during the summer. I hope this is a sufficient explanation for our excessive non revinue water. Sincerely, Richard Graser

Year 2012 Utility MINERAL POINT MUNICIPAL WATER UT ID 3740 Class C Submission # 134 Date 30-Nov-12

Contact Lisa Riley Phone (608) 987-2361 Email l.riley@cityofmineralpoint.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details 8" meter 510 GPM @ 100.7% as is/as left  
Tested June 13, 2012"/>

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2010 Utility MONDOVI MUNICIPAL WATER UTILITY ID 3780 Class C Submission # 20 Date 15-Dec-10

Contact Randall K. Gruber Phone (715) 926-3866 Email mondoviwellhouse@cvccexpress.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility VILLAGE OF MONTICELLO WATER UTIL ID 3850 Class D Submission # 79 Date 23-Oct-12

Contact Kevin Komprood Phone 608-938-4385 Email monticellowaterutil@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2010 Utility VILLAGE OF MONTICELLO WATER UTILI ID 3850 Class D Submission # 22 Date 29-Dec-10

Contact Kevin Komprood Phone 608-938-4383 Email monticellowaterutil@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility MOSINEE MUNICIPAL WATER AND SEW ID 3890 Class C Submission # 31 Date 14-Jan-11

Contact Kevin Breit Phone 715 693-3840 Email publicworks@mosinee.wi.us

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well #1 6" as found 99.1 as left 99.1 April 2010  
Well #2 6" as found 99.8 as left 99.8 April 2010  
Well #6 8" as found 100.5 as left 100.5 April 2010  
Booster Station 14" calibrated on May 11, 2010 test results not listed.

Pressure 12th St. tower - 70 psi. Leak Survey  Leak Survey Year  Detection Cost   
Ranger St. tower - 75 psi  
Business Park tower - 68 psi

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement As streets are reconstructed water mains and services are generally replaced.

Rate Increase Plan  Rate Increase Year

Water Loss Plan We had a problem with a polyphosphate that was stripping iron buildup off the interior of the water mains which increased the number of dirty water complaints and caused us to flush the distribution system more frequently. We have changed chemicals and the dirty water complaints are reduced as well as the system flushing events. We are also in the process of having our consultant put together a Unidirectional Flushing Program which should also reduce the volume of water necessary for flushing the distribution system.

Year 2010 Utility VILLAGE OF MOUNT STERLING MUNICI ID 3960 Class D Submission # 13 Date 06-Dec-10

Contact John Anderson Phone (608)-734-3849 Email andersonexcavating@hotmail.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility City of Neillsville Municipal Water Utilit ID 4040 Class C Submission # 122 Date 29-Nov-12

Contact Mickey Marty Water Foreman Phone 715 743 3991 Email nvlwaterplant@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan In 2111 we had one of our towers down ,for repainting . we needed to use 2 hydrant relieve valves that vented into the storm sewer causing large water loss.Contacted our engineer on the tower repainting job Jeff Galbaith AECOM #715 340 4955 on concerns of large water loss.he recommended we had to run 2 relieve valves to meet adequate pressure in our 2 pressure zones.The contractor took 39 days to complete tower repainting. We had to fill and empty tower twice to get a safe sample. at over 500.000 gals to waste.We also contacted Jeff Labelle of Rural water ass. and used his leak detection equipment twice in 2012 to listen for leaks on our hydrents and treatment plant. We found a pressure reducing valve at treatment plant defective allowing treated water back into storage tank.replaced valve in april 2012. Found defective butterfly valve on filter plant allowing treated water to escape into reclaim tank, replaced july 2012.Found a service leak ,while doing leak detection on hydrents;repairedrd june 2012. Im content our water loss will be much lower in 2012.

Year 2012 Utility City of Neillsville Municipal Water Utilit ID 4040 Class C Submission # 123 Date 29-Nov-12

Contact Mickey Marty Water Foreman Phone 715 743 3991 Email nvlwaterplant@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan In 2111 we had one of our towers down ,for repainting . we needed to use 2 hydrant relieve valves that vented into the storm sewer causing large water loss.Contacted our engineer on the tower repainting job Jeff Galbaith AECOM #715 340 4955 on concerns of large water loss.he recommended we had to run 2 relieve valves to meet adequate pressure in our 2 pressure zones.The contractor took 39 days to complete tower repainting. We had to fill and empty tower twice to get a safe sample. at over 500.000 gals to waste.We also contacted Jeff Labelle of Rural water ass. and used his leak detection equipment twice in 2012 to listen for leaks on our hydrents and treatment plant. We found a pressure reducing valve at treatment plant defective allowing treated water back into storage tank.replaced valve in april 2012. Found defective butterfly valve on filter plant allowing treated water to escape into reclaim tank, replaced july 2012.Found a service leak ,while doing leak detection on hydrents;repairedrd june 2012. Im content our water loss will be much lower in 2012.

Year 2011 Utility City of Neillsville Municipal Water Utilit ID 4040 Class C Submission # 38 Date 24-Jan-11

Contact Alan Flicek Phone (715) 743-3391 Email NVLwaterplant@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
No answer but refers to well house meter in plan of action.  
No average accuracy estimate of customer meters given.

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan  
Maintenance is based on labor required for meter removal, testing cross connection inspections, valve exercising, hydrant flushing etc.  
Checking both the accuracy and pumping rate of pump of the well house meter. Plan to do a leak survey and replace meters based on 20 year replacement program.

Year 2012 Utility Niagara Municipal Water Utility ID 4150 Class D Submission # 90 Date 08-Nov-12  
Contact Stephen Zigman Phone 715 251-3177 Email wastewater@borderlandnet.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well #3 , 6" meter propeller, as-found accuracy at 99.9%, as-left accuracy 99.9%. Tested on 10-18-12.  
Well #4 , 6" mag meter, as-found accuracy at 99.0%, as-left accuracy 99.0%. Tested on 10-18-12.

Pressure Average low system pressure is ~ 68 psi. Leak Survey  Leak Survey Year  Detection Cost   
Average medium zone pressure is ~75 psi.  
Average high zone pressure is ~70.

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement Plans to replace some of the watermains from County N along Hwy 141 to Cardin Street have been discussed thoroughly and documented.

Rate Increase Plan  Rate Increase Year

Water Loss Plan Service leak fixed at 1225 Roosevelt road on 7-5-11. Service leak fixed at 1440 Mill Street on 10-28-11. Replaced hydrant main valve rubbers on five hydrants identified as leaking on our 4-17-12 leak survey. Tested station meters on 10-18-12 for accuracy. Service leak repaired at 1732 River Street. Service leak repaired at 1106 Truman Street.

Year 2011 Utility Nichols Municipal Water Utility ID 4170 Class D Submission # 27 Date 06-Jan-11

Contact Roger Ort Phone (920) 525-2104 Email villagenichols@centurytel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility NORTH FOND DU LAC WATER UTILITY ID 4230 Class C Submission # 110 Date 26-Nov-12

Contact Darrin Parsons Phone (920) 929-3765 Email dparsons@nfdl.org

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Water loss

1. During the routine sampling the utility resulted in a low chlorine residual. Thus increasing the chlorine feed to maintain a acceptable residual , with the additiona chlorine feed generated customer complaints due to chlorine odor and taste. The operators would flus hydrants in complaint areas to accomidate customer complaints, the majority of the flushin was never recorded and only estimate at the time of reporting. The utility has now began recording all hydrant use and documenting all flushing and training done by the fire services.

2. The utility experienced broken 2" bypass line in a booster station vault that went un detected for an undetermined length of time, estimated to be @ 6 months,, the lost water was draning into the granular backfill of the watermain trench. once repaired the daily pumpage was noticably lower.

Plan to help reduce water loss

- 1. The North Fond du Lac Water Utility has implemented a documenting policy to track hydrant flushing and fire service traing use of hydrant use by these departments.
- 2. have also purchased leak detection equipment to assist in leak detection.

Year 2013 Utility VILLAGE OF OAKFIELD MUNICIPAL WAT ID 4330 Class D Submission # 145 Date 28-Jan-13

Contact Jerry Verstegen Phone 920-858-7477 Email jverstegen@mco-us.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility City of Oshkosh Water Utility ID 4480 Class AB Submission # 83 Date 27-Oct-12

Contact David C. Patek Phone (920) 236-5065 Email dpatek@ci.oshkosh.wi.us

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2013 Utility Owen Municipal Water Utility ID 4500 Class D Submission # 142 Date 17-Jan-13

Contact Gary Smith Phone (715) 613-4670 Email owengarage@cityofowen.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility PHELPS SANITARY DISTRICT NO. 1 ID 4630 Class D Submission # 136 Date 03-Dec-12

Contact Rob Andersen Phone (715) 891-2992 Email psdnumber1@gmail.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details We have 3" meters on wells #1 & #2. The meter on well #1 was replaced with a new magnetic drive meter in March. The meter on well #2 was calibrated in September. We do not have the before and after readings.

Pressure We only have one district. The lowest pressure is a residence near the tower where the pressure is 30 lbs. The highest pressure is 70 lbs. and is at the lowest end of town. Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan In 2011 Port Wing Sanitary had two significant water leaks. The first leak on a main repaired in February and the second on a lateral repaired in October . The October leak could have been running since March or April. We can't be sure. It was under a seldom used trailer house. Port Wing San. hired Water Leak Locators in June of 2011 to check mains and laterals for leaks. They found one possibility which was exposed but no obvious leak found. Because we couldn't find any leaks we decided to check and/or change our meters at the wells. The third week of March 2012 we installed a magnetic meter on well #1. Before install from March 10th through the 16th pumped gallons were 120,000. After install from April 7th through the 13th gallons pumped were 46,000. Then in May from the 5th through the 11th it pumped 74,000 gallons for a two month average drop of 50%. Also this year the meter of well #2 was calibrated. Before the calibration from September 1st through the 7th, 162,000 gallons were pumped. Sept. 15th through the 21st, 90,000 gallons pumped. Then in two seven day periods in October this year 79,000 and 69,000 gallons were pumped. We hope these reductions aren't just seasonal. We don't have enough data to say we have solved our water loss problem but it looks encouraging. This year we have had two leaks on laterals. One on the leak Water Leak Locators said we had which became large enough to find and a residence that may have been leaking for awhile and was only found because of a sewer repair.

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan  Upon installation of the water facility some 30 years ago to go beneath a small drainage creek on Hyway 13, two four foot sections of pipe were cut out and were coupled together with 3 different types of pipe couplers. This was done to direct the pipe lower in the ground to pass an acceptable distance below the creek. Last summer we had WRWA here with a leak detector and the operator thought we may have had a leak in a one half mile stretch of main on hyway 13 but he couldn't narrow it down. At that time we followed and checked that length of main but couldn't find the leak. Two weeks ago, by chance, we discovered soft ground near the creek where it should have been frozen. Probing confirmed we had a water leak. The center coupler was leaking. The leak was repaired on Jan. 12. It is the feeling of those involved in the repair that this leak had probably been there for some time and that the water was going into the creek probably underground and had gone unnoticed. Since the repair our pumping rates have been about one half of what they were before the leak repair. We will be monitoring our pumping rates vs sales to determine if indeed this has been our problem.

Year 2012 Utility Potosi Municipal Water Utility ID 4790 Class D Submission # 80 Date 24-Oct-12

Contact Sheila Horner Phone 608 763-2261 Email potosiclerk@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure   
 Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility VILLAGE OF PRENTICE WATER & SEWER ID 4840 Class D Submission # 119 Date 28-Nov-12

Contact Terry Teeters Phone (715)428-2124 Email clerk@vil.prentice.wi.gov

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

**Water Loss Plan**  
Rural Water went through our village and had done a 100% leak detection on our water lines. Findings were as followed: leak dedected on flushing hydrant (fixed), private fire protection hydrant at Caterpillar facility was leaking and was capped, regular hydrant was found leaking (fixed).  
  
Other factors that contributed to water loss this year: painted water tower in which we had two relieve valves running for 29 days straight, water service to trailer court broke the ground was frozen at the time of break and didn't surface right away. We had a service break on a trailer that was vacant and undected.  
  
Other factors that are not metered: Hydrant flushing, Sewer Flushing, Main Breaks, Private Service Breaks, Fire Dept. Hose Testing, Railroad Weed Control.

Year 2010 Utility VILLAGE OF PRENTICE WATER & SEWER ID 4840 Class D Submission # 18 Date 14-Dec-10

Contact Terry Teeters Phone (715) 428-2123 Email foodplotter@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility READSTOWN MUNICIPAL WATER UTILI ID 4950 Class D Submission # 56 Date 31-Jan-11

Contact Kenneth Ahnen Phone (608) 629-5156 Email vilrdstn@mwt.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility Rice Lake Utilities ID 5050 Class C Submission # 105 Date 15-Nov-12

Contact Wally H. Thom Phone (715) 234-7004 Email wallyt@ricelakeutilities.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well #1 has a 6 inch meter--found & left @ 98.8 %. tested in 2012  
Well #2 has a 6 inch meter--found & left @ 101.5 %. tested in 2012  
Well #4 has a 8 inch meter--found & left @ 99.0 %. tested in 2012  
Well #5 has a 6 inch meter--found & left @ 100.0%. tested 2012

Pressure High zone pressure average is 60 psi--lower end of high zone could be as high as 80-85 psi. Low zone pressure average is 55-60 psi  
Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement When capital improvement projects are being developed for the city, any street project that will require a complete street rebuild, we will budget for water main replacement due to undersized or compromised material, and replace all water service laterals

Rate Increase Plan  Rate Increase Year

Water Loss Plan Rice Lake has done an annual leak survey for the past decade and will continue to budget for surveys as long as we continue to fine leaks. We aggressively repair leaks as we become aware of them. We aggressively test meters for accuracies and replace meters when they become less efficient. We now meter all hydrant flushing activities and we monitor for unauthorized water use. We try to do as much as we can with the budget we have.

Year 2013 Utility VILLAGE OF RIDGEWAY WATER UTILITY ID 5090 Class D Submission # 143 Date 21-Jan-13

Contact Jeff Brindley Phone (608) 924-1520 Email ridgewaypwd@mhtc.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure   
 Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility TOWN OF ROME WATER UTILITY ID 5159 Class D Submission # 71 Date 17-Oct-12

Contact Chad A Ziegler Phone (715) 572-4871 Email rwsup@scacable.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility Village of St. Cloud Water and Sewer Ut ID 5190 Class D Submission # 82 Date 26-Oct-12

Contact Bruce Genskow Phone (920)-858-2591 Email bgenskow@mco-us.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility Village of St. Cloud Water and Sewer Ut ID 5190 Class D Submission # 42 Date 25-Jan-11

Contact Peter W Litersky Phone (920) 470-9777 Email plitersky@gmail.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility Shell Lake Municipal Utilities ID 5400 Class D Submission # 120 Date 28-Nov-12

Contact Mitch Brown Phone (715) 468-7873 Email shelllakepwd@gmail.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2010 Utility Shell Lake Municipal Utilities ID 5400 Class D Submission # 19 Date 14-Dec-10

Contact Jeff Parker Phone [715 468-7873 Email shelllakepwd@Gmail.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details Well house no. 1 is a 8" meter that was tested on April 04 2010. The percent was 99.90 / 99.60 / 99.80. Well house no.2 is a 6" meter and was tested on April 4 2010 with a percentage rate of 99.00 / 99.0 / 99.0. We test these meters yearly.

Pressure The average pressure in the City of Shell Lake is about 59 psi Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement Any time the City under goes some street rehab the water and sewer systems are looked at for replacement. County highway B has a new water main and laterals in 2008. About 2600 feet was replaced. In 2009 First street sewer main was replaced along with all water laterals that were not copper. In 2011, if the project is funded, the Third street sewer main will be replaced along with any questionable water mains and any non copper water laterals.

Rate Increase Plan  Rate Increase Year

Water Loss Plan With the help from the city council, any projects will have the water and sewer looked at for replacement. Water loss , in the city, is important as the public was to pay for all the old water and sewer systems. All water quailty and loss are big ticket idems

Year 2011 Utility VILLAGE OF SHERWOOD WATER AND S ID 5420 Class C Submission # 40 Date 25-Jan-11

Contact Bruce Genskow Phone 920 858-2591 Email sherwoodutility@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well #5 - 6" mag meter - As found =68.5 - As left =100.8 Tested on 07-08  
Well #6 - 6" turbo meter - As found= 112.9 As left= 102 Tested on 07-08  
July 1st 2010 The village of Sherwood is purchasing there water from the City of Appleton, Well #5 is abanoded, Well #6 is getting a new 6" turbo meter in Febuary of 2011, well #6 is not running, it is only for a back up if we need to come off of Appleton water.  
There was a new 8" Rosemount mag meter installed in Well #5 to meter the water from Appleton, meters were factory tested, and will be tested in 2011.

Pressure   
  
 Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement  
2010 The Village of Sherwood replace 3400 feet of watermain.  
2011 The Village of Sherwood is going to replace about 1000 feet of watermain.  
The village is budgeting money for the 2011 budget to have a leak detection study done on the distribution system.

Rate Increase Plan  Rate Increase Year

Water Loss Plan  
In 2010 Sherwood replaced 3400 feet of watermain that was old, leaking and causing a lot of watermain breaks. During this construction the contractors found a leaky plastic service that we were not aware of.  
2010 replaced two leaky copper services, one service had about a 1/4" hole in copper with about 70 psi on the service, and had numerous other small pin holes in the service.  
The second service had small pin holes in the copper service, the biggest was a 1/8" hole with a psi of about 70 pounds.

Year 2010 Utility SHIOCTON MUNICIPAL UTILITY ID 5430 Class D Submission # 12 Date 02-Dec-10

Contact Dick Kominowski Phone (920) 986-3951 Email wwtp@centurytel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility South Wayne Municipal Water Utility ID 5600 Class D Submission # 131 Date 30-Nov-12  
Contact Phil Carroll Phone (608) 439-1011 Email southwayne@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility South Wayne Municipal Water Utility ID 5600 Class D Submission # 48 Date 26-Jan-11  
Contact Phil Carroll Phone (608) 439-1011 Email southwayne@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility Star Prairie Municipal Water Utility ID 5675 Class D Submission # 139 Date 04-Dec-12

Contact Brody Larson Phone (715) 248-3933 Email spmaint@frontiernet.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

The size of the meter that is used to measure the flow is a 6 inch meter. The type of meter is Water Specialties. Here are the results for the accuracy:  
Before: 600 GPM 101.60 After: 600 GPM 102.00  
300 GPM 98.40 300 GPM 102.00  
150 GPM 80.20 150 GPM 100.000  
The meter was last tested on 6/8/2011.

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility Star Prairie Municipal Water Utility ID 5675 Class D Submission # 60 Date 09-Feb-11

Contact Brody Larson Phone (715) 220-3230 Email brody1@frontiernet.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
The size of the meter that we have is a 6". The last time that it was tested was 4/25/2007. The meter will be tested this year again.  
While doing the testing here are the results of the meter:  
At 600 GPM it was 101.50 percent.  
At 300 GPM it was 101.00 percent.  
At 150 GPM it was 100.70 percent.

Pressure The PSI average in the system is around 28 PSI. I'm not sure if you want all the hydrants PSI if you do i could sdnd them to you also. The range is from 10PSI being the lowest and 58 PSI being the highest PSI in the system.  
Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan  
The answer to question 3 is bassed off the meters that i have tested. I have no bench set up to test meters. We have has a couple of leak detection companies come in and try to find some leaks. They were unable to find any leaks due to having plastic mains and services. When they were checking for leaks they checked most of the mian valves and all of th hydrants. We are still in the process of changing out all teh old meters and installong new meters. I also had WRWA coome down to see if they could find any problems and they were unable to find any leaks also. There has been a few leaks that have surfaced in town and they have been dug up and fixed. The main problem that we are having is we have the Apple River that runs through town and also a creek that is called Saratoga Springs. Some of the water mains in town are submerged in water so if we do have leaks they wont leak up to the surface.

Year 2012 Utility THREE LAKES SANITARY DISTRICT NO.1 ID 5900 Class D Submission # 135 Date 02-Dec-12

Contact Wayne Rychlock Phone (715)546-3748 Email tlsanitary@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility THREE LAKES SANITARY DISTRICT NO.1 ID 5900 Class D Submission # 49 Date 26-Jan-11

Contact Wayne Rychlock Phone (715)-546-3748 Email tlsanitary@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility TOWN OF TROY SANITARY DISTRICT 1 ID 5960 Class D Submission # 89 Date 06-Nov-12

Contact Lisa Brockman Phone (414) 303-1422 Email lidon90@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility TOWN OF TROY SANITARY DISTRICT 1 ID 5960 Class D Submission # 47 Date 26-Jan-11

Contact Lisa Brockman Phone 414 303-1422 Email lidon90@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility Valders Municipal Water Utility ID 6060 Class D Submission # 66 Date 15-Oct-12

Contact Len heimerman Phone 920 901 8040 Email valdersdpw@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility Valdres Municipal Water Utility ID 6060 Class D Submission # 23 Date 03-Jan-11

Contact Len Heimerman Phone 920 901 8040 Email valdersdpw@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility WALWORTH MUNICIPAL WATER & SE ID 6180 Class C Submission # 26 Date 05-Jan-11

Contact Tim Boss Phone (262) 275-6648 Email vwaldpw@charter.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility VILLAGE OF WATERFORD WATER AND S ID 6210 Class C Submission # 127 Date 29-Nov-12

Contact Jeff Dolezal Phone 262 534 3801 Email dolezal@tds.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well #1, 6" propeller. working with Contractor to get an accurate test. We suspect that this meter is inaccurate as a result of its location.  
Well #3, 4" propeller. (As found) 99.3 % 03/26/2012  
Mag #1, 12" Mag. (As found) 98.9 % 03/26/2012

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement  
We are just starting the preliminary plans to replace approximately 5000' of water main during the reconstruction of State highway 83/20 project. This work is likely to start sometime in 2015

Rate Increase Plan  Rate Increase Year

Water Loss Plan  
It should be noted that we located and repaired (4) leaking water services, (1) leaking water main, (1) leaking water valve and (5) leaking hydrants in 2012. We have also started measuring the flow during hydrant flushing to get a better estimate of water used for flushing. We will continue to look for leaks more frequently.

Year 2012 Utility WATERLOO WATER & LIGHT COMMISS ID 6220 Class C Submission # 76 Date 23-Oct-12

Contact Eugene D. Weihert / Supt. Phone 920 478-2260 Email eweihert@wppienergy.org

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well #1 8 inch mag as found 99% as left 99% test date 5/14/2012  
Well #2 8 inch mag as found 99% as left 99% test date 5/14/2012  
Well #4 8 inch mag as found 99% as left 99% test date 5/14/2012

Pressure Zone 1 Normal system 58 psi Leak Survey  Leak Survey Year  Detection Cost   
Zone 2 Indian Hills booster 68 psi  
Zone 3 Hiawatha booster 82 psi  
Zone 4 Lum Ave. booster 85 psi

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement In co-operation with the city street projects we replace 2-3 blocks of water main, hydrants, valves and services to the property line yearly spending \$100,000-\$250,000.

Rate Increase Plan  Rate Increase Year

Water Loss Plan We have had a water leak locator survey the whole system for the last 4 years finding something each of those years that we fixed each time. We fixed a leak in June 2012 of this year that amounted for 432,000 gallons per month. In the last 3 years we have replaced 90% of the meters starting with the residential customers with radio read and plan to start replacing the commercial and industrial meters. We have been working with the fire dept. to keep better tabs on the water use that they draw from hydrants and we are putting a flow meter on when flushing to get a more accurate reading.

Year 2012 Utility WAUPUN UTILITIES ID 6290 Class C Submission # 132 Date 30-Nov-12

Contact Zachary Bloom Phone (920) 324-7920 Email zbloom@wppienergy.org

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
We have one station meter at our central water treatment facility. It is a 10" mag meter and it was installed in December 2007. The plant was placed into service in January 2008, and the meter has never been tested. We are confident that our water loss has nothing to do with this meter because our water loss has been an issue well before the new water plant went into service.

Pressure We do not have multiple pressure districts in our distribution system. Average system pressure is 63-65 psi. Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement  
We spend approximately \$400,000 every other year on distribution system infrastructure replacement, in conjunction with the City's street reconstruction schedule. In 2011, we spent \$310,741 to replace 3,257 feet of 8" main, \$98,677 to replace 68 1" services, and \$29,056 to replace 7 hydrants.

Rate Increase Plan  Rate Increase Year

Water Loss Plan  
Waupun Utilities takes its responsibility to correct water loss seriously. We conduct leak detection surveys annually, and have hired consultants in the past to address the issue. The latest report prepared by Strand was completed in 2010 and it was shared with PSC staff at that time.  
  
In 2013, we will be installing an AMI system on the electric and water systems. This will allow us to monitor water production/sales/loss on a daily basis. We hope this will provide us with valuable information to combat our water loss.

Year 2011 Utility WAUPUN UTILITIES ID 6290 Class C Submission # 61 Date 09-Feb-11

Contact Zak Bloom Phone (920) 324-7920 Email zbloom@wppienergy.org

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility WAUPUN UTILITIES ID 6290 Class C Submission # 62 Date 11-Feb-11  
 Contact Zak Bloom Phone (920) 324-7920 Email zbloom@wppienergy.org

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

**Station Meter Details**  
 We have a 12" mag meter at our water treatment facility measuring the water discharged to the distribution system. The meter was installed in late 2007 and the treatment facility went "live" on 1/1/08. It hasn't been tested since. Testing records provided when the meter was shipped indicate 95% accuracy.

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

**Infrastructure Replacement**  
 Waupun Utilities works in conjunction with the City of Waupun Public Works Department to prioritize which streets are reconstructed based on a variety of factors. These factors include vintage, condition and size of water system infrastructure. Waupun Utilities spends approximately \$200,000 annually on system reconstruction.

Rate Increase Plan  Rate Increase Year

**Water Loss Plan**  
 We take water loss very seriously. Strand Associates prepared a water loss study for Waupun Utilities in 2009 and did not come up with anything we hadn't already addressed. We purchased our own water leak detection equipment in 2010 and listened to every hydrant in our service territory. Additionally, in conjunction with our Cross Connection Control Program, our inspectors will look for instances in commercial and industrial settings where water is being diverted around a metering source.

Year 2012 Utility Wausau Water Works ID 6300 Class AB Submission # 100 Date 14-Nov-12

Contact Deb Geier Phone 715 261-6533 Email deb.geier@ci.wausau.wi.us

Reason High Loss on-going Periodic Test Meters Y 20 Year Meter Replacement N Average Meter Accuracy 99

Station Meter Details

Wausau Water Works has a 30" meter at the Water Treatment Plant which was tested on November 5, 2012 by Davies Water Meter Testing Services. Depending upon pump combinations, there is a wide variance in the accuracy of the meter. Findings are indicated below: Pump 1 - 1200 gpm - 110% accuracy Pump 2 - 2400 gpm - 99% accuracy Pump 3 - Davies could not get an accurate reading as there was too much turbulence as their meter was too close to the pump, however, we record this meter as being 99% accurate. - 2400 gpm Pump 4 - 4200 gpm - 125% accuracy Combination of Pumps 1 and 2 - 100% accuracy Combination of Pumps 2 and 4 - 105% accuracy Combination of Pumps 3 and 4 - 86% accuracy Combination of Pumps 1 and 4 - 117% accuracy

Pressure Base pressure zone east and west sides - 45-75 psi averages 55 to 65 psi Leak Survey Y Leak Survey Year 2012 Detection Cost \$10,000 East side high pressure zone - 40-110 psi averages 55 psi East side special pressure zone 45-60 psi - averages 60 psi West side high pressure zone 50-110 psi - averages 65 psi West side special pressure 60-80 psi - averages 65 psi

Survey Mains Y Survey Hydrants Y Survey Services Survey PerCent 100 Maintenance \$574,309 Main Replacement Y

Infrastructure Replacement

Water mains, hydrants and the utility side of the services are replaced in conjunction with road reconstruction projects. Homeowners are encouraged to replace their side of the services at that time also.

Rate Increase Plan N Rate Increase Year

Water Loss Plan

Staff has been reviewing accounts for accuracy, talking with Fire Dept. personnel regarding more accurately monitoring water used not only for fighting fires but also for practicing, as well as working with outside Fire Departments to inform us when they use water from a City hydrant. Water Plant meter was calibrated and a formal leak study was conducted. Leak surveyor listens on all hydrants and main

Year	2012	Utility	Wausau Water Works	ID	6300	Class	AB	Submission #	100	Date	14-Nov-12
Contact	Deb Geier		Phone	715 261-6533		Email	deb.geier@ci.wausau.wi.us				

valves, but only listens on services if they hear a suspicious noise. A significant leak was found with the 2012 survey with the water discharging into a wetland/creek. After several attempts, repairing of the main was found to be useless, thus the main was retired and a new main installed. Due to the lateness in the year when the leak was discovered, we will undoubtedly see high water loss numbers again for 2012.

Year 2012 Utility Wauzeka Municipal Water Utility ID 6330 Class D Submission # 126 Date 29-Nov-12

Contact Dennis Oswald Phone (608)875-7641 Email doswaldwwtf@centurytel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan We have had a leak we could not find ongoing for over a year and a half. I had Jeff LaBelle here from Rural water twice last fall, listened to all the hydrants but found no leaks. 29th of October 2012 Scott Geisse of Rural Water was here and heard one possible leak on a hydrant so we called Dave Holmes to try to pinpoint location . We dug up hydrant lead and found no leak on 11/6/2012. On 11/13/2012 water started to surface on Main St. We called Water Leak Locaters again to find exact location of leak . We then found an abandoned service that was screaming. We followed copper service 80' and repaired, this slowed our loss for two days and then it started climbing again. water still showed on main st. Called Water Leak Locaters again ,11/21/2012 , and the sound once again led us a block away only this time to the main on highway. 11/26/2012 we dug up the highway and found the copper gooseneck blew out on the copper line . the corp was eliminated and the leak was finally found. The last 3 days our pumpage is back to normal . I have been here 20 years and this was the first leak we had that didn't want to surface, as I gained a few more gray hairs and more experience on the possibilities of what water can do. We do need to purchase some type of leak detection device to help us find leaks sooner .

Year 2011 Utility VILLAGE OF WEBSTER WATER UTILITY ID 6350 Class D Submission # 44 Date 25-Jan-11

Contact Jay Heyer Phone 715 866-4211 Email villageofwebsterpublicworks@centurytel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well # 3 has a 6 inch meter. Meter was last tested 4/27/2010. As found accuracy 99.50 As left 100%  
Well # 4 has a 4 inch meter. Meter was last tested 4/07/2009. As found accuracy 99.50 As left 99.60%

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility WESTBORO SANITARY DISTRICT WATER ID 6385 Class D Submission # 64 Date 09-Oct-11

Contact Dan Koehler Phone (715) 427-3813 Email dank1954@frontiernet.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility Weyerhaeuser Municipal Water Utility ID 6470 Class D Submission # 78 Date 23-Oct-12

Contact Larry Armstrong Phone (715) 205-1166 Email weywatu@indianheadtel.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility VILLAGE OF WHEELER MUNICIPAL WAT ID 6475 Class D Submission # 85 Date 29-Oct-12

Contact Chris Goodell Phone (715)632-2512 Email chrisgoodell76@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility VILLAGE OF WHITE LAKE WATER UTILIT ID 6505 Class D Submission # 94 Date 12-Nov-12

Contact Scott K Popelka Phone (715) 216-0981 Email spopelkavwl@granitewave.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2012 Utility WINNECONNE WATER UTILITY ID 6580 Class C Submission # 101 Date 14-Nov-12

Contact Chris Hardy Phone (920) 582-4381 Email publicworks@winneconnewi.gov

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility WINNECONNE WATER UTILITY ID 6580 Class C Submission # 32 Date 19-Jan-11

Contact Chris E. Hardy Phone (920) 582-7101 Email publicworks@winneconnewi.gov

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure   
  
 Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility Village of Winter Water Utility ID 6590 Class D Submission # 25 Date 04-Jan-11

Contact Richard Burt Phone 715 266-3006 Email villageofwinter@yahoo.com

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

Year 2011 Utility Wonewoc Water and Electric Utility ID 6760 Class D Submission # 35 Date 21-Jan-11

Contact Jim Bohn Phone 608-464-3457 Email Village019@bugnet.net

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Well II - 6 in. meter tested 6-2-10 by Midwest testing LLC found at 99.2% left as is.  
Well III - 8in. meter tested 6-2-10 by midwest testing LLC found at 99.3% left as is.

Pressure  Leak Survey  Leak Survey Year  Detection Cost

two districts, north district 65 psi. south district 68 psi.

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan

We have talked about changing our meter system to radio read meters but cost is the big factor. If we don't do this we will start replacing our older meters and we also plan on working with Wisconsin Rural Water Assc. and do a distribution system leak survey and make repairs as needed.

Year 2012 Utility WRIGHTSTOWN WATER & SEWER UTILI ID 6800 Class C Submission # 96 Date 13-Nov-12

Contact Travis Coenen Superintendent of P Phone 920 532-0434 Email tcoenen@wrightstown.us

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details  
Well #4 -8" - (as found) G.P.A. Max - 510 99.7% accuracy (as left) G.P.A. Max - 510 99.7% accuracy  
Meter last tested 6/25/2012  
  
Well #2 - 6" - (as found) G.P.A. Max - 360 98.0% accuracy (as left) G.P.A. Max - 360 98.0% accuracy  
Meter last tested 6/25/2012

Pressure The community averages about 45 psi so I dont think that the pressure is creating a problem. Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement In 2013 the community is repalcing 7000' of AC water main and 100 water laterals to replace old main and prepare for up coming bridge project. The main being replaced has had a few recorded leaks and the the areas have also recorded some service leaks. So hopefully these efforts will help the system reduce our water loss.

Rate Increase Plan  Rate Increase Year

Water Loss Plan The Wrightstown Uilities have purchased their own leak detection equipment and have been trying to survey atleast 60% of the system annually. Thier effort have been successfull in finding five leaks form leaking main valve to services. The crews are all very conscious of the need to solve the problems. The community has also made a committment to change out all the water meters to a new design that may be better suited for our water quality. Wrightstown has a lot of minerals in our water and seems to be wearing our meters out prematurely . The new Sensus I Pearls are our choice and we will begin replacing up to 200 per year to help us capture all our revenues and reduce lost water.

Year 2011 Utility WRIGHTSTOWN WATER & SEWER UTILI ID 6800 Class C Submission # 24 Date 04-Jan-11

Contact Daniel J. Stephany, Director of Publi Phone (920) 532-0434 Email dstephany@wrightstown.us

Reason High Loss  Periodic Test Meters  20 Year Meter Replacement  Average Meter Accuracy

Station Meter Details

Pressure  Leak Survey  Leak Survey Year  Detection Cost

Survey Mains  Survey Hydrants  Survey Services  Survey PerCent  Maintenance  Main Replacement

Infrastructure Replacement

Rate Increase Plan  Rate Increase Year

Water Loss Plan   
The distribution system had three leaks in 2009 that were repaired totaling an estimated 16.162 million gallons. One of the three leaks is to believed to have started in early to mid 2008. At its peak, the largest leak, as repaired in late July 2009 was believed to have been leaking an estimated 111,000 gallons per day. Since this leak was repaired our daily pumpage dropped significantly back to normal flows. We have since purchased a leak detector and developed a leak detection program using our own staff. I will upload a summary letter that better explains the issue.

Year	2011	Utility	WRIGHTSTOWN WATER & SEWER UTILI	ID	6800	Class	C	Submission #	24	Date	04-Jan-11
Contact	Daniel J. Stephany, Director of Publi		Phone	(920) 532-0434	Email	dstephany@wrightstown.us					

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