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Eden Water Company



EDEN - 688483 - 002K

Arizona Corporation Commission
DOCKETED

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Water Loss plan update:

EWC has been monitoring the Bought-Sold losses for the system. The Attachment "WATER LOSS", will show the 2012 through 2015 data. In addition to the right of the loss is a list of work that was performed on the system and the dates that it was done. The documents show as much as a 58% loss to a low as 2%. The water is metered at two different sights from the water source, Graham County Utilities. Meters may take as long as three days to read, though it regularly is two.

The system is checked at least twice per week from one end to the other. In addition, EWC has asked its customers to be diligent and report any signs of leaks. As soon as one is found work is started as soon as possible. There have been problems with getting Blue stakes on HWY 70 from the fiber optics that is lies close to the water line. Rain has a large impact on finding the leaks. When there is enough moisture the leaks will come to the surface as liquid or an area that stays wet after heavy rain event. EWC found a heavy leak just East of the Eden Bridge. During construction of the bridge the line got buried to 8 feet deep. In addition is very wet at that debt due to the river. We have repaired that leak and found other leaks under bridge due to vandalism.

The majority of leaks is due to the service tubing, caused by rocks rubbing against the tubing. When the line was installed in 1964 there was no shading in the service lines. Much of the system is in very rocky conditions. There wasn't much loss due to the service tubing before 2000, It is continuing getting worse. In addition, many of their service lines were placed under the pavement without a protective sheath or shading. A few years ago the Safford Mine began operation. There are a significant number of trucks that use this small two lane roadway. EWC believes that those heavy trucks causing significant vibration that is making the rock pressure on the tubing. When one of these under the pavement leaks EWC are putting the replacement tubing inside a conduit to protect the line from further damage.

EWC is going to continue to survey the system at least twice a week for the foreseeable future. When it is possible the Service Line is going to be changed out to the main line, putting it in a conduit or shading in the trench with sand to protect the service line from further damage. EWC is going to ask WIFFA to come in and see if they can help out with more technical help and or help replace the service lines.

Jay D. Colvin President

RATE INCREASE REPORTS
WATER USE

| MONTH | 2014 Water Purchased Gallons | 2014 Water Sold Gallons | 2014 Gain-(Losses) Gallons | 2014 Water Loss Percentage |
|----------------|------------------------------------|-------------------------------|----------------------------------|----------------------------------|
| JANUARY | 1,415,200 | 974,000 | -441,200 | 31% |
| FEBRUARY | 1,085,500 | 949,000 | -136,500 | 13% |
| MARCH | 1,028,000 | 853,000 | -175,000 | 17% |
| APRIL | 1,164,400 | 1,186,000 | 21,600 | -2% |
| MAY | 1,559,900 | 1,317,000 | -242,900 | 16% |
| JUNE | 1,812,000 | 1,325,000 | -487,000 | 27% |
| JULY | 2,031,900 | 1,557,000 | -474,900 | 23% |
| AUGUST | 1,919,300 | 1,226,000 | -693,300 | 36% |
| SEPTEMBER | 1,470,200 | 1,078,000 | -392,200 | 27% |
| OCTOBER | 1,650,700 | 972,000 | -678,700 | 41% |
| NOVEMBER | 1,290,600 | 1,386,000 | 95,400 | -7% |
| DECEMBER | 1,723,000 | 1,239,000 | -484,000 | 28% |
| AVERAGE | 1,512,558 | 1,171,833 | -340,725 | 23% |
| TOTAL | 18,150,700 | 14,062,000 | -4,088,700 | 23% |

| MONTH | 2015 Water Purchased Gallons | 2015 Water Sold Gallons | 2015 Gain-(Losses) Gallons | 2015 Water Loss Percentage |
|----------------|------------------------------------|-------------------------------|----------------------------------|----------------------------------|
| JANUARY | 1,681,500 | 1,115,000 | -566,500 | 34% |
| FEBRUARY | 1,391,700 | 839,000 | -552,700 | 40% |
| MARCH | 1,228,700 | 908,000 | -320,700 | 26% |
| APRIL | 1,400,900 | 1,246,000 | -154,900 | 11% |
| MAY | 1,880,000 | 1,031,000 | -849,000 | 45% |
| JUNE | 1,989,400 | 1,609,000 | -380,400 | 19% |
| JULY | 2,258,400 | 1,271,000 | -987,400 | 44% |
| AUGUST | 1,920,700 | 1,455,000 | -465,700 | 24% |
| SEPTEMBER | 1,912,200 | 1,149,000 | -763,200 | 40% |
| OCTOBER | 2,077,100 | 968,000 | -1,109,100 | 53% |
| NOVEMBER | 1,604,800 | 1,104,000 | -500,800 | 31% |
| DECEMBER | 2,273,700 | 1,593,000 | -680,700 | 30% |
| AVERAGE | 1,801,592 | 1,190,667 | -610,925 | 34% |
| TOTAL | 21,619,100 | 14,288,000 | -7,331,100 | 34% |

1/2/2014 major cracked barrel on pipe coupling big leak
 1/7/2014 major telephone was miss marked. Broke main helping put back phone line
 5/9/2014 major put new meter end of line, ran water out end to make sure it was fresh water
 6/25/2014 medium ray Colvin service leaking 6 inches from main rock rubbing
 8/12/2014 minor replaced meter and riser Jay Colvin's meter
 10/7/2014 major meter service repair on chews house been running in a ditch to field
 10/7/2014 major leak in main line, coupler had pushed off, telephone company was in area
 10/2/2014 major cracked main line in roadway rock pressure cracked the line
 8/26/2015 medium service line in middle of road leaking had a piece of concrete against it.
 8/6/2015 medium Klondike road meter leaking 1 ft. below meter.
 8/31/2015 major service line middle Eden Road Bobby Cooks house dig road up put service in sleeve.
 8/11/2015 major Rock house tubing had hole rubbed in with rock. Had Africanized bees had to be neutralized fi
 9/4/2015 minor ben smith service line repair dug up with shovel replaced section.
 9/2/2015 major 2 inch main road way is being lowered by grader repaired contact county.
 9/22/2015 medium meter ran over by truck crushed the meter and service line
 9/15/2015 major 3 inch main on west side of roadway on corner Bryce Eden rd., Eden spring rd.
 10/30/2015 major William meter nipple rusted through and broke off ran a long time had to get Blue stake
 10/5/2015 major 3 inch main coupler were old line hooked up to the bridge line.
 10/5/2015 major 3 inch pipe under bridge hole in it may have been shot. Put repair sleeve on

RATE INCREASE REPORTS
WATER USE

| MONTH | 2012 # of Water Purchaser meters | 2012 Gallons | 2012 Water Sold Gallons | 2012 Gain-(Losses) Gallons | 2012 Loss Percent |
|----------------|--|-------------------|-------------------------------|----------------------------------|-------------------------|
| JANUARY | 127 | 2,357,200 | 1,530,000 | -827,200 | 35% |
| FEBRUARY | 127 | 2,036,800 | 865,000 | -1,171,800 | 58% |
| MARCH | 128 | 1,844,900 | 807,000 | -1,037,900 | 56% |
| APRIL | 129 | 1,711,200 | 1,399,000 | -312,200 | 18% |
| MAY | 129 | 1,767,400 | 1,500,000 | -267,400 | 15% |
| JUNE | 127 | 2,356,900 | 1,701,000 | -655,900 | 28% |
| JULY | 125 | 2,179,600 | 1,803,000 | -376,600 | 17% |
| AUGUST | 126 | 2,318,600 | 1,507,000 | -811,600 | 35% |
| SEPTEMBER | 127 | 2,099,300 | 1,349,000 | -750,300 | 36% |
| OCTOBER | 126 | 1,861,300 | 1,403,000 | -458,300 | 25% |
| NOVEMBER | 125 | 2,394,800 | 1,542,000 | -852,800 | 36% |
| DECEMBER | 128 | 2,713,200 | 1,243,000 | -1,470,200 | 54% |
| AVERAGE | 127 | 2,136,767 | 1,387,417 | (749,350) | 34% |
| TOTAL | | 25,641,200 | 16,649,000 | -8,992,200 | 35% |

1/20/2012 major repair replacement line with faulty coupler north end towards canal
 1/15/2012 major Clod Martin meter galvanized fittings detreated took a week to get optics line blue staked
 3/8/2012 major repair line in front of post office service line broke off from main line under roadway
 3/18/2012 major replace faulty coupler on pipeline north side road in front of Hawkins
 4/12/2012 medium hwy 70 air front north of Penrod. Took week to get optics line blue staked
 4/22/2012 major fire hydrant coupling blew off ran most of night
 5/15/2012 medium service line repair Billy Sanchez meter
 5/26/2012 major leak on east side of bridge coming out on south side of road
 6/1/2012 major w inch line across Bryce Eden road broke
 6/8/2012 medium clonts corral area leaking service line found old commode broken up cut into line
 7/1/2012 major service line but on Maryland rd. and wonder lane replaced line
 7/26/2012 minor Owens old home service line had hole rubbed in it.
 8/8/2012 Jace Hancock's rental service line had to replace to roadway
 9/6/2012 major service line Javier's house line split in rocks
 9/26/2012 major service line Douglas house below hill in roadway replaced section of service
 9/27/2012 medium Marco's meter tubing had a hard bend in it pin hole developed.
 9/27/2012 medium Billy Sanchez house broke loose farther west than repaired before replace some tubing
 9/12/2012 medium bob's meter started leaking next to roadway dug 1/3 across and replaced put in tubing

| MONTH | 2013 # of Water Purchaser meters | 2013 Gallons | 2013 Water Sold Gallons | 2013 Gain-(Losses) Gallons | 2013 Loss Percent |
|----------------|--|-------------------|-------------------------------|----------------------------------|-------------------------|
| JANUARY | 127 | 1,005,000 | 973,000 | -32,000 | 3% |
| FEBRUARY | 127 | 918,000 | 842,000 | -76,000 | 8% |
| MARCH | 128 | 1,844,900 | 807,000 | -1,037,900 | 56% |
| APRIL | 129 | 2,158,000 | 2,047,000 | -111,000 | 5% |
| MAY | 129 | 2,208,000 | 1,544,000 | -664,000 | 30% |
| JUNE | 127 | 1,730,000 | 1,690,000 | -40,000 | 2% |
| JULY | 125 | 1,839,000 | 1,474,000 | -365,000 | 20% |
| AUGUST | 126 | 1,664,000 | 1,646,000 | -18,000 | 1% |
| SEPTEMBER | 127 | 1,592,000 | 1,341,000 | -251,000 | 16% |
| OCTOBER | 126 | 1,286,000 | 1,008,000 | -278,000 | 22% |
| NOVEMBER | 125 | 1,514,000 | 1,388,000 | -126,000 | 8% |
| DECEMBER | 128 | 1,462,000 | 1,395,000 | -67,000 | 5% |
| Average | 127 | 1,601,742 | 1,615,555 | (25,492) | 15% |
| TOTAL | | 19,220,900 | 16,155,000 | (3,065,900) | 16% |

2/12/2013 MINOR SHELLY COOCK METER TUBING CRACKED LEAKING
 2/12/2013 MINOR MAIN LEAK ON BRYCE EDEN RD AND EDEN SPRINGS
 3/27/2013 major 4 inch main hwy 70 split unknown reason had to wait for blue stake Indians
 5/7/2013 major line rupture pressure reducing pipeline Ferguson corral
 7/3/2013 medium service line had hole rubbed in by rocks draggon road Bryce
 7/8/2013 major main line 2 inch coupler going across road took week to be fiber optics blue stake.
 7/5/2013 medium bobby's house service line leaking. Replaced 1/3 across road put in conduit
 7/3/2015 medium gun dealer service line leak replaced 15 ft. of service line
 8/28/2013 medium 2 inch main Eden springs rd. Rollo's house rock rubbing
 9/13/2013 medium looking for pipeline on east side of Eden bridge turned water off
 10/3/2013 major repair dragon road meter tubing.
 11/7/2013 medium