

NTMWD Sets Record Water Deliveries For September and October of 2005

As the North Texas region continues to experience warmer than normal temperatures and below levels of rainfall through the summer and fall season, water consumption continues to rise. NTMWD set monthly records for treated water deliveries to its Member and Customer Cities for the months of September and October of 2005.

NTMWD delivered over 10.1 billion and 10.9 billion gallons of treated water during the months of October and September, respectively.

The increase in water consumption is directly related to the weather patterns the North Texas area is experiencing. It is typical that during times of low rainfall and continued warm temperatures during the summer months, water consumption increases as citizens continue outside irrigation.

Normally at this time of year, the weather begins to cool and the area begins receiving

	Total Water Deliveries (Billion Gallons)	Rainfall (Inches)
October-05	10.16	0.71
October-04	6.59	5.51
October-03	7.40	0.59
September-05	10.90	0.76
September-04	9.10	0.79
September-03	7.30	3.59

the much needed rainfall from hot and dry summer months. Typically, by October and November, water consumption begins to decline as outside irrigation halts as homeowners rely on rainfall for irrigation and the lawns become dormant.

This year, the NTMWD is experiencing increases in water deliveries as the warmer and dry weather pattern continues.

NTMWD encourages wise and efficient use of the treated water supply. Practice water conservation measures daily and whenever possible.

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NTMWD Develops

East Fork Reuse Video

NTMWD has developed an informational video for the East Fork Reuse project. This informational video provides the viewer an insight into the need, the development, and the benefits of the NTMWD's East Fork Reuse project, (commonly known as the wetlands project).

The NTMWD service area is expected to serve at least 700,000 more residents by 2020, which would cause a water shortage if the current supply is not increased. To serve this burgeoning population, NTMWD is building a manmade wetlands called the East Fork Reuse Project, which will use natural filtration to further cleanse raw water from the Trinity River and will augment the NTMWD's water supplies for North Texas.

Water will be pumped from the Trinity River's East Fork near Crandall into manmade wetlands. As the water passes through 1,840 acres of wetlands, aquatic



plants will polish the water – a natural process that removes about 95% of the sediment, 80% of the

nitrogen and 65% of the phosphorus.

The cleansed water from the wetlands will then be piped 40 miles to the



north end of Lavon Lake and blended with NTMWD's other raw water sources that include Lavon Lake, Lake Chapman and Lake Texoma.

Visit the NTMWD website at www.ntmwd.com and view the video. The Reuse information can be found under the Conservation link.

Practice Water Conservation Check For Leaks Inside The Home

- ◆ **Check for toilet leaks.** Drop a few drops of food coloring into the tank. Wait a few minutes. If color shows up in the bowl, the flapper is leaking and needs replaced. This can occur even with new toilets and flappers. Sometimes toilets “run”, which is caused by a faulty flushing mechanism and should be replaced.
- ◆ **Check all faucets to see that they don't drip.**
- ◆ **Check any exposed pipes for leaks.**



News

Board Action

November 2005

The NTMWD Board of Directors held a regular meeting, November 22, 2005, at the NTMWD Administrative Offices located at 505 East Brown Street, Wylie, Texas.

Action items were as follows:

- Approved the minutes from the October 27, 2005 Board of Directors meeting.
- Authorized repair of 35 MGD peerless pump at Raw Water Pump Station No. 3.
- Authorized repair of High Service Pump No. 18 check valve and 36-inch spare check valve.
- Authorized replenishing spare parts to inventory at Water Treatment Plant III.
- Authorized purchase of a 36-inch butterfly valve and spool piece for the Royse City Pipeline No. 2 project.
- Authorized Change Order No. 2 on the City of Terrell North Water Transmission Main - Contract C.
- Authorized the sodium hydroxide price increase, Harcros Chemical Company Force Majeure.
- Authorized the award of contract for the Royse City Water Pipeline No. 2 project.
- Authorized award of contract for the Sabine Creek Interceptor System.
- Adopted Resolution No. 05-24, authorizing the 121 Regional Disposal Facility annexation by the City of Melissa.
- Authorized funding for additional engineering services to provide support for the East Fork Reuse Project.
- Authorized Change Order No. , adjustment to contract quantities, and time extensions on the Little Elm Pipeline No. 1 project.
- Adopted District Policy No. 31, Watershed Impoundments.
- Authorized the City of Wylie easement agreement for the Wylie Water Plant site.
- Authorized reduction in retainage on the Wylie to Lavon Pipeline project.
- Authorized payment for providing three-phase power at Buffalo Creek Interceptor System Lift Station.
- Adopted Resolution No. 05-25 authorizing the McKinney-Prosper Interceptor Sewer Pipeline Right-of-Way Acquisition Program.
- Authorized adjustment to contract quantities, Change Order No. 2, and finalization of the Muddy Creek Interceptor System project.
- Authorized Change Order No. 3 and reduction of retainage on the Muddy Creek Regional Wastewater Treatment Plant project.

NTMWD WATER CONSUMPTION DATA
(August—October 2005 in 1,000 gallons)

	2003-2004	2004-2005	2005-2006		
Allen	1,421,360	1,504,274	1,823,753		
Farmersville	76,982	65,003	86,863		
Forney	274,224	265,266	425,101		
Frisco	1,953,514	1,957,873	2,701,010		
Garland	4,072,968	3,700,833	4,243,596		
McKinney	2,209,940	2,206,970	2,885,827		
Mesquite	2,072,895	1,834,122	2,255,462		
Plano	7,515,647	7,004,082	8,704,758		
Princeton	84,348	93,021	121,221		
Richardson	3,188,535	2,743,418	3,093,770		
Rockwall	845,170	767,126	1,112,985		
Royse City	105,267	97,726	142,407		
Wylie	392,041	405,177	569,334		
Subtotal Member Cities	24,212,891	22,644,891	28,166,087		
Caddo Basin	66,321	72,741	84,898		
Cash W.S.C.	71,945	74,543	90,377		
College Mound W.S.C.	17,266	8,831	0		
Copeville S.U.D.	21,701	21,409	24,423		
East Fork S.U.D.	73,120	56,616	94,554		
Fairview	149,358	151,920	234,517		
Fate	36,432	36,267	87,311		
Forney Lake W.S.C.	50,507	43,478	98,543		
Gastonia Scurry W.S.C.	29,811	37,168	27,634		
Josephine	13,038	10,168	17,307		
Kaufman	127,427	125,335	129,941		
Kaufman Four-One	108,657	107,090	165,211		
Lavon W.S.C.	46,942	43,286	71,623		
Little Elm	147,926	171,295	159,852		
Lucas	104,986	103,213	177,179		
Melissa	15,016	17,813	42,960		
Milligan W.S.C.	44,902	36,380	44,171		
Mt. Zion W.S.C.	40,568	31,361	51,501		
Murphy	274,213	283,362	391,707		
Nevada W.S.C.	23,685	18,718	26,903		
N. Collin W.S.C.	88,218	83,870	102,697		
Parker	125,760	123,171	154,282		
Prosper	0	8,208	74,809		
Rose Hill W.S.C.	2,545	1,856	3,797		
Rowlett	967,790	829,179	1,091,973		
Sachse	336,048	313,886	399,367		
Seis Lagos M.U.D.	29,454	23,094	44,361		
Sunnyvale	132,486	121,393	198,159		
Wylie N.E., W.S.C.	42,950	43,182	66,148		
Subtotal Customer Cities	3,189,072	2,998,833	4,156,205		
Individual Meters	3,745	2,715	3,215		
Grand Total	27,405,708	25,646,439	32,325,507		
Lake Elevation	2005	2004	Precipitation	2005	2004
Maximum	485.10	489.22	Total Inches	0.71	5.51
Minimum	483.54	488.77	Year to Date	2.54	9.25
Average	484.28	488.97			