

Texas Water Development Board Approves Long-Range Water Plan For Region C

The Texas Water Development Board (TWDB) on Tuesday April 18, 2006, approved a long-range regional water plan. The TWDB voted 5-1 for the \$13.2 billion regional water plan.

The State of Texas was divided up into 16 regions for water planning. The regional plans were designed to help the State meet the water needs of the next 50 years. The regional water plans will be integrated into a statewide water plan to be presented to the Legislature in 2007. The plan is updated every five years.

North Texas Municipal Water District is a water provider within Region C. Region C is comprised of 16 counties with the population expected to more than double by 2060 reaching 13 million people.

By 2060, one-fifth of Region C's water supply would

come from the new reservoirs, one-quarter from conservation and reuse, one-quarter from new connections to existing sources, and the remainder from the current supplies.

The Region C Plan, approved by a 19-member North Texas planning group, includes the construction of the \$2.16 billion Marvin Nichols Reservoir on the Sulphur River. The Marvin Nichols Reservoir is the largest and most expensive of the Region C strategies. The Marvin Nichols Reservoir would provide nearly one-fifth of the region's new water supply.

The Region C Water Planning Group is chaired by Jim Parks, NTMWD Executive Director.

The 2006 Region C Water Plan is available on the web at www.regioncwater.org.



The North Texas Municipal Water District is the first in Texas to implement the "Water IQ: Know Your Water" campaign, which was developed for the Texas Water Development Board.

The North Texas Municipal Water District is a wholesale water provider serving 1.5 million people in the North Texas area.

Test Your Water IQ at www.wateriq.org

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NTMWD Acquires Additional Raw Water Supply From Greater Texoma Utility Authority

To meet an interim water supply need of the region served, NTMWD has entered into a Raw Water Lease Agreement to acquire additional raw water supplies from the Greater Texoma Utility Authority (GTUA). This agreement allows for the temporary purchase of raw water from Lake Texoma.

NTMWD has negotiated with GTUA and the City of Sherman for the temporary use of raw water supplies from Lake Texoma that is currently permitted to GTUA for the City of Sherman's needs. Sherman currently has substantially more raw water permitted in Lake Texoma than is needed to meet Sherman's immediate water supply demands. The acquisition of this surplus water supply from GTUA will provide an interim water supply to NTMWD.

The Raw Water Lease Agreement includes leasing 10,000 ac-ft/yr as a base amount of water available to the NTMWD. Any additional water quantities of water above the base amount may be available to the District, if both parties agree to the sale. The term of the Raw Water Lease Agreement is ten (10) years with two (2) additional five (5) year renewals.

GTUA, with NTMWD's assistance, has prepared and received approval of an Interbasin Transfer Permit (IBT) from the Texas Commission on Environmental Quality (TCEQ).



NTMWD's Raw Water Pump Station at Lake Texoma transfers raw water supplies to the Lavon Lake watershed. Raw water supplies flow down Sister Grove Creek into Lavon Lake.

An IBT is needed when raw water supplies are transferred from one basin to another. In this instance, raw water is being transferred from the Red River Basin to the Trinity and Sabine River Basins. The IBT allows NTMWD to use the transferred water supply in its service area.

NTMWD will utilize existing facilities to deliver the water from Lake Texoma to Lake Lavon. NTMWD's Raw Water Pump Station at Lake Texoma transfers raw water supplies to the Lavon Lake watershed. Raw water supplies flow down Sister Grove Creek into Lavon Lake. The raw water is removed from Lavon Lake and treated for delivery to over 1.5 million people for their daily needs.

NTMWD Raw Water Supplies

Lavon Lake	194,000 acre-feet
Lake Jim Chapman (Cooper)	57,214 acre-feet
Lake Texoma	95,000 acre-feet
Wilson Creek Reuse	32,703 acre-feet



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Board Action

April 2006

The NTMWD Board of Directors held a regular meeting, April 27 2006, at the NTMWD Administrative Offices located at 505 East Brown Street, Wylie, Texas.

Action items were as follows:

- Approved the minutes from the March 23, 2006 Board of Directors meeting.
- Adopted Resolution No. 06-8 authorizing participation in the Texas Building and Procurement Commission Cooperative Purchasing Program.
- Authorized replacement fence at the Parkway Transfer Station.
- Authorized an architectural services agreement for Custer Road Transfer Station landscaping and irrigation.
- Adopted Resolution No. 06-9 authorizing the issuance, sale, and delivery of North Texas Municipal Water District Water System Revenue Bonds, Series 2006; and approved and authorized instruments and procedures related thereto.
- Authorized an engineering services agreement for South Mesquite Regional Wastewater Treatment Plant.
- Authorized Change Order No. 3, adjustment to contract quantities, and authorized finalization of the City of Terrell North Water Transmission Main, Contract C.
- Authorized finalizing the City of Terrell Town North Water Improvements.
- Authorized Change Order No. 1 to the East Fork Raw Water Supply, Phase II Nursery.
- Adopted Resolution No. 06-11 authorizing the right-of-way acquisition program for the Lake Tawakoni Raw Water Transmission Pipeline.
- Authorized amendment to District Policy No. 24, Water Conservation and Drought Contingency Plans and the Model Water Conservation and Drought Contingency Plans for Member Cities and Customers.
- Adopted Resolution No. 06-13 authorizing and directing the execution of the First Amendment to the Interim Water Contract with the Sabine River Authority.
- Authorized execution of an interlocal cooperative agreement with the City of Plano for the use of a Community Garden at Parkway Transfer Station.
- Authorized Change Order No. 3 on the Frisco/McKinney Pipeline, Contract B.
- Authorized Change Order No. 3 and adjustment to contract quantities on the Frisco/McKinney Pipeline, Contract A.
- Authorized Change Order No. 2 on the Forney to Terrell Pipeline.
- Authorized an engineering services agreement for the Indian Creek/Preston Road Subsystem Improvements.

NTMWD WATER CONSUMPTION DATA
(August—March 2006 in 1,000 gallons)

	2003-2004	2004-2005	2005-2006		
Allen	2,675,489	2,705,528	3,457,217		
Farmersville	147,794	154,286	164,634		
Forney	571,527	579,252	873,710		
Frisco	3,539,462	3,491,216	5,415,144		
Garland	8,201,191	7,568,070	8,510,279		
McKinney	4,082,860	3,968,357	5,444,361		
Mesquite	4,202,559	3,791,603	4,515,179		
Plano	14,141,533	13,073,741	16,683,748		
Princeton	181,379	202,227	255,294		
Richardson	6,166,691	5,050,676	6,162,348		
Rockwall	1,473,737	1,359,171	2,031,998		
Royse City	210,334	196,402	282,307		
Wylie	785,511	803,828	1,068,531		
Subtotal Member Cities	46,380,067	42,944,357	54,864,750		
Caddo Basin	162,399	136,632	192,538		
Cash W.S.C.	169,724	154,399	196,067		
College Mound W.S.C.	33,235	8,831	23,350		
Copeville S.U.D.	47,319	41,485	49,932		
East Fork S.U.D.	134,836	129,845	202,759		
Fairview	254,827	256,938	430,328		
Fate	68,867	76,243	163,746		
Forney Lake W.S.C.	87,015	83,824	177,007		
Gastonia Scurry W.S.C.	55,377	73,189	62,100		
Josephine	25,790	24,694	35,656		
Kaufman	285,355	258,399	285,159		
Kaufman Four-One	263,455	213,116	292,975		
Lavon W.S.C.	89,585	80,449	134,531		
Little Elm	295,543	411,244	313,129		
Lucas	194,101	181,027	311,534		
Melissa	34,870	43,954	81,463		
Milligan W.S.C.	84,545	73,892	90,991		
Mt. Zion W.S.C.	70,750	57,539	95,564		
Murphy	469,949	465,877	703,381		
Nevada W.S.C.	48,558	39,798	55,008		
N. Collin W.S.C.	183,084	180,983	204,996		
Parker	209,821	203,817	284,296		
Prosper	0	22,922	113,411		
Rose Hill W.S.C.	5,085	3,290	28,832		
Rowlett	1,768,819	1,589,821	1,972,435		
Sachse	607,926	581,894	714,718		
Seis Lagos M.U.D.	45,880	34,190	73,071		
Sunnyvale	240,388	214,497	355,183		
Wylie N.E., W.S.C.	78,617	80,729	120,488		
Subtotal Customer Cities	6,015,720	5,723,518	7,764,648		
Individual Meters	8,994	5,470	6,649		
Grand Total	52,404,781	48,673,345	62,636,047		
<u>Lake Elevation</u>	<u>2006</u>	<u>2005</u>	<u>Precipitation</u>	<u>2006</u>	<u>2005</u>
Maximum	484.51	492.42	Total Inches	5.29	2.3
Minimum	482.23	491.79	Year to Date	13.79	24.14
Average	483.15	492.05			



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Board Action

May 2006

The NTMWD Board of Directors held a regular meeting, May 25, 2006, at the NTMWD Administrative Offices located at 505 East Brown Street, Wylie, Texas.

Action items were as follows:

- Approved the minutes from the April 27, 2006 Board of Directors meeting.
- Authorized purchase of Influent Pump 2-2 rotating assembly at South Mesquite Wastewater Treatment Plant.
- Authorized Change Order No. 1 and authorized finalizing final Raw Water Pump Station No. 2 Power Factor Correction project.
- Approved an agreement with the City of Forney for an additional point of delivery.
- Approved an amendment to the Wholesale Water Contracts between the City of Forney and Talty Water Supply Corporation, Markout Water Supply Corporation and High Point Water Supply Corporation.
- Authorized execution of Amendment No. 1 to the City of Terrell Potable Water Supply Contract.
- Authorized award of contract on the Allen/Plano/Frisco/McKinney Pipeline, Project B, Phase I.
- Authorized execution of Amendment No. 1 to the Greater Texoma Utility Authority Raw Water Lease Agreement.
- Authorized execution of an engineering services agreement for Lake Tawakoni Water Treatment Plant Preliminary Engineering Report.
- Adopted Resolution No. 06-12 authorizing purchase of property for the Lake Tawakoni Water Treatment Plant Site.
- Authorized Change Order No. 1, adjustment to contract quantities and finalizing Rowlett-Cottonwood Parallel Transfer Sewer, Phase B.
- Authorized an agreement with the United States Geological Survey to collect flow and water quality data for Lower Bois D'Arc Creek.
- Authorized Change Order No. 2, adjustment to contract quantities and authorized finalization of the City of Terrell South Water Transmission Main—Contract B.
- Authorized a construction management services agreement for East Fork Raw Water Supply project.
- Authorized disposal of surplus vehicles and equipment.
- Authorized implementation of Stage 3 of the NTMWD's Water Conservation and Drought Contingency Plan.
- Approved election of officers for the Board of Directors for 2006-2007.

NTMWD WATER CONSUMPTION DATA
(August—April 2006 in 1,000 gallons)

	2003-2004	2004-2005	2005-2006		
Allen	3,022,123	3,098,637	3,924,061		
Farmersville	168,967	171,040	183,536		
Forney	636,282	672,192	986,436		
Frisco	3,950,720	4,072,247	6,189,274		
Garland	9,146,383	8,597,820	9,551,003		
McKinney	4,587,432	4,577,469	6,169,456		
Mesquite	4,695,420	4,278,813	5,053,502		
Plano	15,835,168	14,989,076	18,795,520		
Princeton	203,626	228,606	286,369		
Richardson	6,893,510	5,769,619	6,962,103		
Rockwall	1,641,280	1,557,632	2,292,670		
Royse City	234,177	221,981	317,948		
Wylie	886,979	921,195	1,207,170		
Subtotal Member Cities	51,902,067	49,156,327	61,919,048		
Caddo Basin	176,447	158,429	216,775		
Cash W.S.C.	187,788	173,671	216,295		
College Mound W.S.C.	36,453	8,831	33,898		
Copeville S.U.D.	52,857	46,406	56,232		
East Fork S.U.D.	149,620	149,487	230,148		
Fairview	287,161	297,886	489,350		
Fate	75,992	89,228	186,275		
Forney Lake W.S.C.	96,460	97,794	199,782		
Gastonia Scurry W.S.C.	60,758	77,787	71,748		
Josephine	28,529	27,753	39,864		
Kaufman	313,165	288,320	318,979		
Kaufman Four-One	296,793	244,395	321,448		
Lavon W.S.C.	101,069	93,028	150,684		
Little Elm	337,523	469,967	343,285		
Lucas	217,058	204,457	352,338		
Melissa	40,122	53,262	93,220		
Milligan W.S.C.	92,983	84,904	102,453		
Mt. Zion W.S.C.	78,430	66,195	106,808		
Murphy	537,160	549,140	809,783		
Nevada W.S.C.	53,478	45,377	61,393		
N. Collin W.S.C.	204,737	201,443	228,434		
Parker	238,561	240,137	323,983		
Prosper	0	37,859	131,199		
Rose Hill W.S.C.	5,117	3,569	32,763		
Rowlett	1,977,530	1,823,863	2,218,529		
Sachse	683,970	665,380	805,405		
Seis Lagos M.U.D.	53,217	39,788	81,787		
Sunnyvale	266,988	243,547	397,051		
Wylie N.E., W.S.C.	87,149	91,561	135,712		
Subtotal Customer Cities	6,737,115	6,573,464	8,755,621		
Individual Meters	9,595	6,002	7,187		
Grand Total	58,648,777	55,735,793	70,681,856		
<u>Lake Elevation</u>	<u>2006</u>	<u>2005</u>	<u>Precipitation</u>	<u>2006</u>	<u>2005</u>
Maximum	484.55	492.33	Total Inches	1.50	0.52
Minimum	483.85	491.92	Year to Date	15.28	24.66
Average	484.19	492.13			