



MEMORANDUM

Larry N. Patterson

TO: Board of Directors
FROM: Larry N. Patterson, Executive Director
DATE: August 31, 2018
SUBJECT: Board of Directors Meeting - - September 6, 2018

Meeting Place: Upper Trinity Regional Water District
Board Meeting Room
900 N. Kealy
Lewisville, TX 75057

Date: Thursday, September 6, 2018

Board Meeting: 12:30 P.M.

Notice: For the required quorum, your presence is very important. However, if you cannot attend, please contact Nancy Tam by email: ntam@utrwd.com or by telephone at 214-538-8602, as soon as possible.

A WORD FROM THE PRESIDENT.

Summer is over - - school has started and the Labor Day Holiday will be behind us by the time of our next Board Meeting. This truly has been a fast paced year with continued rapid growth in all areas of service and new records set (almost daily) for water treatment and transmission to the District's Members and Customers.

The September Board Meeting is among the most important of the year - - when we adopt budgets and set rates for the coming year. The staff has briefed the Board concerning budgets in previous Work Sessions and therefore we should be prepared to act. I believe the proposed budget to be well balanced and consistent with the District's vision, policies and priorities. The Board will be called upon to adopt budgets totaling \$61.8 million for Operations and \$65.2 million for Capital Improvements. If you should have any clarifying questions, I urge you to contact staff ahead of the meeting.

Other key items on the Agenda include:

- Authorization to sell bonds for Doe Branch Plant expansion and refund certain revenue bonds;
- Approval of a Financing Agreement with TWDB for the Parallel Pipeline from the Taylor Treatment Plant to the Stonehill Pump Station;

- Award an engineering contract to design essential improvements to expand the treatment capability of the Harpool Water Treatment Plant; and
- Receive a 5-year Rate Forecast briefing for the Regional Treated Water System.

With new Board Members joining the team in recent months, I have taken a new look at committee assignments. Enclosed is an updated Roster of Committees, with just a few changes for your reference.

And finally, I would like to thank all Board Members for their dedicated service to the District and support to me. Jointly, we can all take great pride in the many remarkable achievements of the District during the past fiscal year as we have worked with staff to provide exceptional service to our members and customers. Looking forward to another productive Board Meeting next Thursday.

- - Kevin Mercer, President

INFORMATIONAL ITEMS

Drought Restrictions Lifted. Recent rains have resulted in lower water demands in Upper Trinity's system. With the concurrence of the Officers, the Stage 1 Drought Restrictions were lifted on August 23 (previously initiated Stage 1 on July 19). Thank you to all Customers who quickly responded to the District's notice implementing Stage 1 restrictions. Now that the restrictions have been lifted, we encourage all Customers to continue promoting regular conservation strategies to your residents. These strategies include watering no more than twice per week, if needed, and not between 10 A.M. and 6 P.M. Other tips for saving water can be found at the District's website at www.utrwd.com.

Highland Village Balloon Festival. On August 17-18, the District hosted a booth at the Highland Village Balloon Festival. Although the event was cut short by rain, many attendees stopped by to learn about the District and ways to conserve water. District staff handed out pens, pencils, dog waste bag holders, pan scrapers, t-shirts, and other educational information. Look for us at the Pumpkin Palooza in Corinth on October 2 and the Bonnie & Clyde Days in Pilot Point on October 13.



The Story of Texas Water. Enclosed for your information is the Texas Water Development Board's second release in The Story of Texas Water two part article series, entitled "The Story of Texas Water: History in the Making." Hope you enjoy the article.



Fort Worth District, USACE Command Change. District representatives Larry Patterson and Ronna Hartt recently attended the formal Change of Command ceremony for the USACE District. The new Commander (Colonel Kenneth N. Reed) is responsible for Section 404 permitting. We anticipate a Lake Ralph Hall site visit by Colonel Reed very soon as the Corps of Engineers moves forward to release the LRH Draft Environmental Impact Statement.

City of Fort Worth Appoints Water Director – Chris Harder was recently appointed as Director of the Fort Worth Water Department. He began his career with the City in 1999 as a project engineer and rose through the ranks. In 2017, Harder was named Assistant Water Director for Engineering, and he has been serving as the department’s Interim Director since March of this year. We are planning an office visit with Chris to continue the District’s long time water service coordination activities.

Symposium Set for September 21. The Upper Trinity Conservation Trust is hosting a Symposium on September 21 from 9 A.M. to 2 P.M. in Lake Dallas. Dr. Robert Mace of the Meadows Center for Water and the Environment, formerly with the Texas Water Development Board, is the keynote speaker and will discuss the importance of land conservation to mitigate flood risk and enhance quality of life. Participants will also learn the benefits of Low Impact Development (LID) practices for stormwater management, effective ways to promote the implementation of LID by developers, and how cities can use different planning strategies to encourage implementation. The cost to attend is \$15, which includes continental breakfast and lunch. To register, visit <https://2018uppertrinitysymposium.eventbrite.com>. Continuing Educations Credits from the Texas Floodplain Management Association and the American Planning Association will be available for those attending. If you have any questions, please contact Jason Pierce at 972-219-1228.

AgriLife Water Conservation Classes. As part of its Water Conservation Education program, the District is co-hosting two water conservation classes with the Flower Mound Library in September. These classes are free and open to the public. Both classes, Water Efficient Landscape Design (September 10) and Water Efficient Sprinklers (September 24), will both be taught by staff from the AgriLife Center in Dallas, and will be from 6:30 pm to 8:30 pm. As a reminder, the District pays for AgriLife classes to be held in your area. If you are interested in hosting a class, please contact Jason Pierce at 972-219-1228.

MEETING

Enclosed is the agenda for the September 6, 2018 Board Meeting, and the Data Sheets for action items and other related information. Please contact me or the appropriate staff person if you have any questions.



UPPER TRINITY REGIONAL WATER DISTRICT
COMMITTEE ASSIGNMENTS – BOARD MEMBERS

JUNE – AUGUST 2018

STAFF LIAISON	NANCY TAM	LARRY PATTERSON	JAN MORRIS	LESTER HARRIS	BILL GREENLEAF	BILL GREENLEAF	RATES & CHARGES	JASON PIERCE	WATER PUBLIC INFO.	RONNA HARTT	WATER SUPPLY	JASON PIERCE	WATERSHED PROTECTION	LARRY PATTERSON	POLICY REVIEW
REPRESENTS	BOARD MEMBER	WW AD HOC	PERSONNEL	AUDIT	FINANCE & INVESTMENT	FINANCE & INVESTMENT	RATES & CHARGES	WATER CONS. PUBLIC INFO.	WATER SUPPLY	WATER SUPPLY	WATER SUPPLY	WATER CONS. PUBLIC INFO.	WATERSHED PROTECTION	POLICY REVIEW	POLICY REVIEW
1 ARGYLE	NORTON, TROY							X						X	
2 AUBREY	ROBERSON, BRIAN		X				X								
3 BARTONVILLE	KNOWLER, DEL	X			X								C		
4 CELINA	BURNHAM, JAMES	X								X					
5 COPPER CANYON	PAPE, MARK							X							
6 CORINTH	HART, BOB	X					X								
7 DCFWSD #1A	CLARK, KRISTINA			X								C			X
8 DCFWSD #7	MERCER, KEVIN	X	C												X
9 DENTON	FISHER, TIM									X			X		
10 DC-AT-LARGE	CAMPBELL, JEAN				X										
11 DENTON COUNTY	HARRIS, JOHNNY		X				C								
12 DOUBLE OAK	COOK, DICK	X		X					X				X		
13 FLOWER MOUND	RIGGS, CLAY											X			
14 HIGHLAND VILLAGE	LUBKE, RICHARD	C		X						X					
15 IRVING	LOPEZ, RAMIRO					C					X				
16 JUSTIN	BLEVINS, VIRGINIA		X											C	
17 KRUM	CALMES, GARY				X										X
18 LAKE CITIES MUA	FAIRFIELD, MIKE	X									C				
19 LEWISVILLE	FERRIS, ERIC		X	C											
20 MUSTANG SUD	BOYD, CHRIS	X													
21 NORTHLAKE	DRESHER, LYLE		X												X
21 PILOT POINT	GUARD, ALAN												X		
22 PONDER	ANDERSON, MIKE			X							X				
23 PROSPER	JAROMIN, FRANK	X			X								X		
24 SANGER	CIOCAN, ALINA								X				X		
ARGYLE WSC	DAVIS, RANDALL								X						
PUBLIC-AT-LARGE	HUCKABY, RICHARD										X				X

C: DESIGNATES CHAIRPERSON

The Story of Texas: History in the Making

August 2017



In the [first part of this two-part series](#), we explored the early history of Texas through 1950. Water helped define where people lived, when they moved, and whether they survived. Water has always been the main, but sometimes invisible, character in our colorful history. The story of Texas water is the story of Texas—and we are still writing it with every action taken (or not taken) today.

With a population of 7.7 million in 1950, post-World War II Texas was experiencing a great increase in per capita water consumption, rapid urbanization, population growth, and industrial expansion—all of which competed for the state's limited water supplies.^[1] State leaders recognized the need to address water policy and planning to ensure a positive future for Texans, and that need became even more urgent following the 1950 to 1957 drought, known as the drought of record.

By the time the drought ended, all but 10 of Texas' 254 counties had been declared federal disaster areas. The drought's severity was the catalyst for major state legislation. In 1957, the Texas Legislature passed a resolution authorizing \$200 million in state bonds to help construct water conservation and supply projects. The Texas Water Development Board (TWDB) was created to administer these funds.

Before 1960, most of the water projects in Texas were planned from a local viewpoint to satisfy present and immediate local demands. This changed when the legislature passed the Water Planning Act of 1957 during a special session, making the Texas Board of Water Engineers (created in 1913) responsible for statewide water resource planning, including developing forward-looking state water plans. In 1961 the Texas Board of Water Engineers [produced a plan](#) to meet the state's municipal and industrial water needs beyond 1980.

A few years later, the State recognized the need for a longer range and more comprehensive statewide water plan than was produced in 1961. During the 59th Texas Legislature, the state's water agencies were realigned and the TWDB was assigned responsibility for the planning and financing of water development. The TWDB produced our [first state water plan](#) in 1968. The plan revealed a forward-thinking sentiment that we still share today: "To delay the full development of our water resources will place a burden upon the future of Texas from which it might never recover."

Subsequent statewide water plans were developed in 1984, 1990, 1992, and 1997, each with 50-year outlooks to ensure sufficient water supplies for future Texans. In 1996, another severe statewide drought resulted in a \$2 billion loss to agricultural producers, again revealing Texas' reliance on water and vulnerability to drought. Lake and reservoir levels across the state dropped in some places to just a trickle.

The drought led to the 1997 Texas Legislature's deliberate move to change how Texas plans for water supply and make sure the state is ready for another drought of record. The new bottom-up approach formalized a regional water planning process based on 16 self-governing planning groups representing

16 regional water planning areas. Each planning group was required to prepare its own regional water plan on five-year cycles.

Since the regional water planning process began in 1997, the TWDB has published four state water plans (2002, 2007, 2012, and 2017) that serve as the roadmap to address future water needs. As the needs, population, lifestyles, and technologies change, so must the plans—and that's where the five-year cycles become particularly beneficial.

As shown throughout history and recognized in the 1968 State Water Plan, "in the past, Texas citizens generally have been able to live wherever they chose without concern for the availability of water... either in the immediate vicinity or at relatively short distances. People settled, developing these supplies where they were found; investments were made, economies developed, and social and cultural values accumulated."

Today, water continues to drive development of homes, businesses, and culture. But whereas people once settled near water, most now expect water to be delivered to them through their local utility. With an estimated 70 percent increase in population, 17 percent increase in water demand, and 11 percent decrease in Texas' existing water supplies—those that can already be relied on in the event of drought—by the year 2070, we are faced with the ever-present question of, "Where will our water come from?"

Based on the 16 regional water plans, the 2017 State Water Plan outlines approximately 5,500 water management strategies and 2,500 strategy projects to meet water demands 50 years from now. Of the strategy supplies in 2070, approximately 45 percent are based on conservation, drought management, and reuse; 45 percent on surface water resources; and 10 percent on groundwater. Conservation is by far the most frequently recommended strategy found in all regional water plans.

Communities and water providers are already moving their projects forward, many with financial assistance through the TWDB. Following the 2011 drought, the State Water Implementation Fund for Texas (SWIFT) program* was created in 2013 to help finance state water plan projects. Approximately \$5.6 billion in SWIFT funds has been committed to entities in just the first three cycles of the program, including more than \$450 million for conservation and reuse projects and more than \$28 million for agricultural and rural projects.

Texans across our state are proactively and innovatively working together to secure the water we need. The success we've seen so far is a reminder that every community, from small towns to large cities, adds value to the regional and state water planning efforts. We should also take a proactive role as individuals by making simple, daily conservation choices that add up over time and can make a real difference in our lifetime and that of future Texans.

What will Texas' water story look like 50, 100, and 200 years from now? What will future Texans say about the way we managed this precious resource? It's up to us to write the history we want to be known!

*The SWIFT program includes two funds, the State Water Implementation Fund for Texas (SWIFT) and the State Water Implementation Revenue Fund for Texas (SWIRFT). Revenue bonds for the program are issued through SWIRFT.

1. *Texas State Library and Archives Commission Online*, "United States and Texas Populations 1850-2016," accessed July 07, 2017, <https://www.tsl.texas.gov/ref/abouttx/census.html>; Freese, Simon W., and Deborah Lightfoot Sizemore. *A Century in the Works: Freese and Nichols Consulting Engineering, 1894-1994*. College Station: Texas A&M University Press, 1994. 232.