



Awards Program

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WILLIAM D. HATFIELD AWARD

...recognizing an operator of wastewater treatment plants for outstanding performance and professionalism.

Jerry Pressley

Mr. Pressley has dedicated his professional career to innovation in the wastewater industry. Starting in 1988, after obtaining his Bachelor of Science in Biology with an emphasis in Environmental Sciences, Ecology and Wildlife Biology, in addition to a Minor in Chemistry, Mr. Pressley provided laboratory management for National Environmental Testing, while quickly advancing his career through 1995. After a small switch to ITS Environmental Labs, Mr. Pressley was ready to settle down and join the City of Fort Worth Water Department in 1997 as senior environmental specialist with the Pretreatment Services Section.

Currently, Mr. Pressley holds the position of superintendent for Village Creek Water Reclamation Facility in the City of Fort Worth. Village Creek has a permitted flow of 166 mgd. Jerry manages the day-to-day activities and operations of the water production, wastewater treatment, water distribution or wastewater collection division within the water department.

Mr. Pressley is a registered environmental manager, certified environmental inspector, certified environmental specialist, and a licensed backflow assembly tester. Since joining FWWD, Jerry continues to prove himself as an outstanding leader in performance with the utmost professional care towards enhancing the wastewater industry.

After college, Jerry began working as a quality assurance manager for National Environmental Testing Inc., in Carrollton, Texas. Jerry's eagerness to learn and his innate ability to excite members of his team continued to gain attention from superiors. Throughout the seven years he dedicated to NET, Jerry also achieved the status of division manager and director of customer service.

Following Mr. Pressley's approach to extend his

knowledge and expertise, he took a new position with ITS Environmental Labs in Richardson, Texas. Again, much like at NET, Jerry began to show promise and was promoted from manager of client and technical services to senior technical support, as well as health and safety officer. Mr. Pressley demonstrated his aptitude to reach goals and identify alternatives to implement waste management/minimization practices – resulting in cost reduction and down-grading for ITS. Jerry was continuing to learn and contribute to a team environment ultimately preparing him for his newest endeavor to come.

In 1997, Jerry settled down to call the Village Creek Water Reclamation Facility home. This new endeavor would include an entirely new set of challenges. The City of Fort Worth converted into "A" Biosolids and is regulated by the Texas Commission of Environmental Quality. The average daily flow at Village Creek is 108.5 million gallons serving a population of 900,000 people. Fort Worth has received numerous awards during Jerry's employment, such as: 2000 National Award for Outstanding Pretreatment Program and Governor's Award for Pollution Prevention Efforts in 2001.

Jerry has committed 17 years of service to the City of Fort Worth earning the position of water systems superintendent. This position is not held lightly anywhere, and to be serving as the superintendent for a facility that runs 166 mgd permitted capacity is demanding. Jerry has displayed extraordinary professionalism through challenging times. During the period of 2009-2011, Jerry's organization and process management efforts allowed Village Creek to expand their capabilities of providing environmental recovery steam generation, anoxic zones, high strength COD methane co-generation, and Type I reuse water.

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Mr. Pressley is extremely knowledgeable about all of the city's treatment systems and processes. He is responsible for directing and coordinating the activities and operations of the wastewater treatment division within the Water Department. Jerry also coordinates and assigns activities with other divisions, departments, and outside agencies, as well as responding to highly complex administrative support tasks to the assistant water director/water reclamation division.

Under Jerry's watch, the plant continues to successfully run without permit violations, and is expanding its several recognitions and awards including the NACWA Platinum Awards for 100 percent compliance for 23 consecutive years.

Jerry Pressley is an active member of the Water Environment Federation and continuously uses the WEF program to network with other professionals

who are dedicated to water and wastewater. Jerry is also involved with the local WEAT NTS Chapter and participates in volunteer work and fundraising events. Mr. Pressley has performed volunteer work with the Operations Challenge October Fundraising BBQ and February seminars.

Outside of his passion for water and wastewater, Jerry has a more personal side. He is actively involved in his church. Jerry dedicates many hours to the community as a volunteer on behalf of his church, and shares these passions with his wife, Tracey. Previously, Jerry devoted his time to mentor our youth and assist the victims of Hurricanes Katrina and Ike. The time Jerry spent rebuilding homes and speaking with the future leaders of our society has given him a humbling management style. These outside influences from Jerry's church and volunteer work continue to mold Jerry as an outstanding and professional leader.

WATER ENVIRONMENT ASSOCIATION OF TEXAS

RONALD B. SIEGER BIOSOLIDS MANAGEMENT AWARD

...presented to a WEAT member(s), an engineering firm, a specific project, a municipality, or a specific municipal or industrial facility that has made significant accomplishments in the field of biosolids technology and management practices within the boundaries of the State of Texas.

Rudy Kilian

Mr. Rudy Kilian currently serves as the National Director of Digestion Technology and Chief Technologist in Carollo Engineers Process Expert Group, and is based in Texas. Mr. Kilian received his B.S. in Chemical Engineering from La Salle University and his M.S. in Environmental Engineering from Purdue University.

Mr. Kilian has delivered numerous biosolids improvement projects for facilities with design flows ranging from 2 to 500 million gallons per day. His specialized skills and abilities as a process engineer are highly valued on numerous projects involving many aspects of biosolids management with an emphasis on advanced digestion processes including evaluation and design of acid/methane-phased digestion systems. Mr. Kilian is the inventor of a new process to treat digester recycle streams, and a co-inventor of a new and innovative advanced digestion process. He has recently developed an

innovative and highly cost-effective method of cleaning digester gas to improve the gas purity and usefulness. In addition, he has conducted cutting-edge research on biosolids digestion and gas cleaning.

Mr. Kilian is not content to limit his talents to just research and design. He believes in advancing the knowledge base of the industry by generously disseminating new information acquired through his research to others by publishing papers and making numerous presentations at meetings, seminars and conferences, including Texas Water and WEFTEC.

In short, he has contributed to all four areas of biosolids management that this award considers: (1) operating project, (2) technology development, (3) research, and (4) public acceptance.

EXCELLENCE IN ENVIRONMENTAL POLICY AND REGULATION

...recognizes an elected official or regulator who actively promotes sound science in environmental policy and regulations.

Joe Straus Texas House Speaker

The Honorable Joe Straus was re-elected Speaker of the Texas House of Representatives by a unanimous vote at the commencement of the 83rd Regular Legislative Session on Jan. 8, 2013. As Speaker, Joe Straus has set a tone of respectful leadership, empowering the members of the Texas House to do what is right for their constituents and for the people of Texas.

Speaker Straus believes in a limited, efficient government that is accountable to taxpayers. He wants to expand opportunity for all Texans by promoting economic development, improving education, increasing budget transparency, and securing the resources and infrastructure needed for private-sector growth.

In addition to serving as Speaker, he represents San Antonio's 121st District, which includes the Bexar County communities of Alamo Heights, Olmos Park, Terrell Hills, and northeast San Antonio. Speaker Straus was first elected to the Texas House of Representatives in a special election in February 2005 (79th Regular Session).

His first session as Speaker, in 2009, was widely viewed as a success as legislators reduced taxes, set aside billions in a rainy day fund, and invested more money in priorities including education, college scholarships, and health care. During his service as a member of the Legislature, Speaker Straus has been a leader on economic issues, common sense tax relief, and energy efficiency measures. In the 2007 Legislative Session, Speaker Straus served on the Committee on Economic Development as Vice Chair, the Committee on Regulated Industries, and the Committee on Local and Consent Calendars. In 2007, he authored legislation eliminating the

Telecommunications Infrastructure Fund tax, saving consumers more than \$200 million a year in taxes.

In addition to presiding over the Texas House, Speaker Straus serves as the co-chair of the Legislative Budget Board, the State Preservation Board, the Legislative Audit Committee, and the Texas Legislative Council. He is one of five members on the Legislative Redistricting Board. Speaker Straus also serves as a member of the Texas House Republican Caucus.

As a lifelong Republican, Speaker Straus has served on numerous campaign committees for federal, state, and local candidates, as a precinct chair, and on the management committee of the Bexar County Republican Party. In 1986, he was U.S. Representative Lamar Smith's campaign manager in Smith's first race for Congress. Early in his career, he worked in public service in the administrations of President Ronald Reagan and President George H. W. Bush.

Speaker Straus is a San Antonio native and a fifth-generation Texan. A graduate of Vanderbilt University, he has an insurance, investments, and executive benefits practice. He and his wife, Julie, have two daughters. His awards include:

- Mr. South Texas, 2011, from Washington's Birthday Celebration Association and presented in Laredo, Texas for significant and lasting contributions to the growth and development of Laredo and the South Texas region. Speaker Straus is the 61st recipient of the award presented during the 114th year of the celebration.

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- Big Voices for Little Texans Award, 2010, from Texas CASA for support of the work CASA volunteers do to help protect and serve vulnerable children.
- 2010 Independent Leadership Award presented by the Independent Insurance Agents of Texas in recognition of his independent and trusted leadership.
- Aspen-Rodel Fellowship Class of 2009, selected by invitation only through the Aspen Institute. The Rodel Fellowship program seeks to enhance the underlying values and principles of our democracy and public service, and identifies America's emerging political leaders with reputations for intellect, thoughtfulness, and a commitment to civil dialogue.
- 2009 Inaugural Champion for Nursing Education Award given by the Texas Association of Deans and Directors of Professional Nursing Programs for work to address the professional nursing shortage and support increased enrollment and graduation of new Registered Nurses.
- Tom C. Frost Award, 2009, created by the University of Texas at San Antonio to honor an outstanding citizen who has provided exceptional leadership to important business and community endeavors.
- In 2008, Texas Monthly selected Speaker Straus as one of the 35 Texans who will shape the future of the state.
- Defender of the American Dream Award, 2008, from Americans for Prosperity for his record of voting consistently for free enterprise and taxpayer protections. As one of seventeen legislators to receive the "A" rating, Straus authored the bill eliminating the Telecommunications Infrastructure Fund tax during the 80th Legislature.
- Public Official Award, 2007, given by Texas Public Power Association for leadership and contributions to public power.
- Law & Order Award and Freshman of the Year Award, 2005, by the Texas District and County Attorneys Association for his consistent support for prosecutors and crime victims, and his passage of HB 3265, which eliminated a loophole in Texas law allowing certain convicted defendants a new trial for reasons unrelated to accuracy or fairness of their trials.

WATER ENVIRONMENT FEDERATION

LIFE MEMBERSHIP AWARD

...recognizing individuals who have been a member of WEF for 35 or more consecutive years, and are age 65 or older.

Wayne G. Ahrens	Houston	David L. Ford	Austin
Leonard H. Allen	Austin	George W. Goloby	Tomball
Bill Batchelor	College Station	Ted P. Karis	Houston
Dennis L. Caputo	Bellaire	Tommy Kent	Beaumont
Richard C. Collins	Gonzalez	John R. McNitt	San Antonio
Foster D. Crowell	Corpus Christi	Richard H. Stetzer	Stafford
Peter J. Czerwinski	Montgomery	Paul A. Roach	Dallas
Andrew W. Edwards	Houston	Walter T. Winn	Longview

LIFETIME ACHIEVEMENT AWARD

...honoring an individual who has demonstrated continual and tireless contributions toward the improvement of the water environment throughout a long and distinguished career in the wastewater treatment industry and in WEAT and WEF. The nominee shall be a person of proven preeminence in numerous WEAT activities and shall have held positions of leadership in the WEAT organization.

Larry N. Patterson, P.E.

Larry N. Patterson is a Licensed Professional Civil Engineer in the state of Texas with over 40 years experience in the water and wastewater utility industry. Mr. Patterson was employed by the Dallas Water Utilities Department for 30 years until his retirement in July 2002 from the Assistant Director Wastewater Operations position. He is currently employed as Deputy Executive Director of Upper Trinity Regional Water District responsible for operation of the district's water & wastewater facilities, water resource planning and oversight of the Engineering & Construction activities. The UTRWD provides water and wastewater service to approximately 250,000 residents located in Denton County and a portion of Collin County.

Mr. Patterson is an active member of American Waterworks Association, Water Environment Federation, Water Environment Association of Texas, American Society of Civil Engineers and both the Texas and National Association of Clean Water Agencies (NACWA). Since 2001, Mr. Patterson has served on the NACWA Board of Directors representing EPA Region 6. In 2004, Mr. Patterson was presented the NACWA President's Award for his long time service as the NACWA Membership Committee Chair.

In addition to his service to the water utility industry, Mr. Patterson served for 30 years in the

Texas Army National Guard receiving numerous federal and state awards and decorations to include the "Legion of Merit" and the "Lone Star Distinguished Service Medal". Mr. Patterson concluded his military career achieving the rank of Brigadier General (Brevet). BG Patterson dedicates many hours of volunteer service to our military forces through his involvement in several Texas veterans' organizations, including his service as Chair of the Greater Dallas Veterans Foundation, responsible for planning and execution of the Dallas Veterans Day ceremony and parade.

Also, BG Patterson is an active volunteer in the Employer Support of the Guard and Reserve Ombudsman program continuously working to support our nation's Reserve Force by enhancing coordination between service members and their civilian employers. In 2010, in recognition of his military service and support of military veterans, BG Patterson was presented the Congressional Veteran Commendation for Texas 26th Congressional District by Congressman Michael C. Burgess, M.D. Mr. Patterson earned his B. S. Degree in Civil Engineering from Texas A&M University and a M.S. in Environmental Sciences from the University of Texas at Dallas. He is also a graduate of the Command and General Staff College and the United States Army War College.

PILLARS OF THE PROFESSION AWARD

...recognizing a longtime member of WEAT or WEF who has demonstrated meaningful and substantial contributions toward the improvement of the water environment via a distinguished career in the wastewater treatment or water quality industry.

Robert Pence, P.E., BCEE

Bob Pence has led the Fort Worth-based engineering and architecture firm of Freese and Nichols since 2002, when he became president and CEO. The firm has experienced remarkable growth and profitability despite a challenging economic climate, and, in 2010, Freese and Nichols became the first and only architecture/engineering firm to receive the Malcolm Baldrige Award for Performance Excellence.

Bob joined Freese and Nichols as an engineer in 1978 and became a principal in the company in 1988. Throughout his career, Bob has championed professional education, ethical behavior and open communication, and has promoted the management system of continuous improvement. In 2011, CE News recognized Freese and Nichols as the Best Civil Engineering Firm to Work For in the nation among large firms and in 2013 Texas Monthly named the company a Best Company to Work For. In 2007, Freese and Nichols was honored with the National Ethics Award (the firm will be eligible to re-apply in 2017).

Bob has managed projects and led teams for more than 20 years in service to the Central Regional Wastewater System Phase III improvements for the Trinity River Authority of Texas. He has also delivered distinguished service and contributions to the City of Fort Worth Water Department, notably in the Integrated Wet Weather Program, Gateway Park/Riverside Wastewater Treatment Plant Environmental Remediation and Design, and the Village Creek Wastewater Treatment Plant Expansion.

Bob's leadership has supported innovative projects across Texas, including the ground-breaking Big Spring Potable Reuse project for the Colorado

Municipal Water District, which went on line in May 2013 and to date has added more than 160 million gallons to the potable water supply in West Texas.

Bob received undergraduate and graduate degrees from Texas A&M University and is a veteran of the U.S. Army. His community service includes chairing the North Texas Commission, Communities in Schools, North Texas L.E.A.D., and the local United Way campaign. In 2008 he chaired the drive for the Fort Worth ISD challenge grant and raised more than \$680,000. Bob was named Engineer of the Year by the Fort Worth Chapter of the Texas Society of Professional Engineers in 2008 and, in 2010, a Fellow by Leadership Fort Worth. His service to Texas A&M University includes serving on the Civil Engineering and the Dwight Look College of Engineering Advisory Councils.

Bob's leadership at Freese and Nichols has been distinguished by an emphasis on client service, leadership development and the highest ethical standards. Named 2011 CEO of the Year by the Fort Worth Business Press, Bob continues to lead, mentor and inspire, supporting service in wastewater treatment, water quality, community service and science education.

Under Bob's leadership, Freese and Nichols has supported employees in almost every office and committee position in the local and state organizations of WEAT, including four past presidents. The firm has eight Board Certified Environmental Engineers.

Bob, who played lead guitar in a 1960s rock band, is married to the former Karen McKeel. They have three daughters – Julie, Jennifer and Jillian – and three grandchildren.

ARTHUR SIDNEY BEDELL AWARD

...acknowledging extraordinary personal service to the Water Environment Association of Texas. The honoree must be a member of WEAT and should exemplify organizational leadership, administrative service, membership activity, stimulation of technical functions, or similar contributions to WEAT.

Dawn R. Anderson, P.E.

Dawn Anderson has been involved in the wastewater industry since 1988. She began her career as a treatment plant operator and obtained her Class A wastewater license, which she maintains today. Holding both a Professional Engineering license and Class A Wastewater Operators license, she has a depth of understanding not common to all wastewater engineers.

Dawn Anderson is a graduate from The University of Texas at Arlington with a Bachelor's Degree in Civil Engineering. She is a Vice President with CP&Y, Inc. Prior to joining CP&Y in 1995, she worked for the City of Garland at their Duck Creek Water Recycling Facility for over seven years as a treatment plant operator and laboratory technician.

In her role as a wastewater operator, Ms. Anderson analyzed plant performance and made plant process and flow modifications. She also had the responsibility of specifying and maintaining process chemicals and developed and taught Hazard Communications Training for the City of Garland's Wastewater Department.

As a Class A operator in the State of Texas, Ms. Anderson also brings the unique experience of practical operating application to her designs. In her role as engineer, Ms. Anderson has performed system

biological evaluations and capacity assessments for multiple municipal entities across the United States as well as developing and submitting discharge permit applications, solids management plans and standard operations manuals to regulatory agencies to address system compliance. Ms. Anderson has designed treatment processes for both liquids and solids, with a focus on innovative technologies and long-term operations. Dawn has participated in the design of two green grass wastewater treatment plants, and has overseen full-scale pilot studies focused on optimization of treatment processes for O&M savings and operational reliability. She has coordinated project design schedules from multiple engineering firms and managed project construction efforts. Additionally, Dawn works closely with the TCEQ during the planning and permitting phases of wastewater treatment plants, including resolution of Agreed Orders and development of Standard Operating Procedure Plans and conducting mandated operator training.

Dawn has authored and presented multiple technical papers at industry conferences. She is also very active in the Water Environment Association of Texas and currently holds the position of North Texas Section Past President and is Chair for the Municipal Wastewater Treatment Committee.

WATER'S WORTH IT[®]

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OUTSTANDING SERVICE AWARD

...recognizing an individual who has made outstanding contributions to the water environment profession and to the Federation and its Member Associations.

Curtis Smalley

Curtis L. Smalley was born into a farming community in the dusty Panhandle town of Floydada, Texas. His early years and appreciation of the value of water were shaped by the West Texas landscape atop the Ogallala aquifer. Curtis attended West Texas State University in Canyon before receiving his Bachelors of Science from Texas Tech University in Lubbock.

Curtis' roots in operations and maintenance were first formed in Kemmerer, Wyoming where he worked as a wastewater treatment plant operator. After a brief stint in Wyoming, Curtis moved back to the Panhandle and worked as the Southeast Water Reclamation Plant chief operator with the City of Lubbock, where he quickly earned the respect of his coworkers and superiors. Because of his dedication and leadership potential, Lubbock's public works director, Sam Wahl, volunteered Curtis to be Lubbock area's section representative for WEAT, then called Texas Water Pollution Control Association.

Following Wahl's direction, Curtis checked a car out of the City of Lubbock's carpool, and he and his wife, Marla, headed to Galveston for the annual conference. After driving across Texas for his first WEAT conference, Curtis had two "experiences" that made an indelible impression. The first was encountering a valet who wanted to both take and park the city's car. Neither Curtis nor Marla had ever come across this before, and it was an alarming request. The other was engaging with likeminded individuals who mentored the young "Double A" operator, which allowed WEAT the good fortune of having a new volunteer with a commitment to water quality and a lifelong interest in learning, serving and leading.

Curtis served as WEAT's section representative from 1985-1988. One year after becoming Brazos River Authority's (BRA) South Central Regional Superintendent, Curtis became WEAT's Professional Wastewater Operators Representative. His extensive experience in operations and maintenance served him well in WEAT and allowed for his growth at BRA, as he took on the regional superintendent of the Central Basin Region in 2001 and then the regional superintendent of the Central and Lower Basin Region for BRA in 2005. In this capacity, he managed the day to day operations, maintenance, reporting and customer relations of three regional wastewater systems, seven individual wastewater treatment plants, two regional surface water systems, and a small retail water system, including residuals management, effluent reuse, interception and transmission systems and lift, pumping and metering stations.

Throughout Curtis' tenure with BRA, he maintained an active presence in WEAT, winning the WEF Hatfield Award in 1991, authoring "Operator Tips" in WEAT's publication from 1992-2003, serving on the executive board as secretary in 2003 and 2004, representing WEAT as a WEF delegate, 2008-2011, and moving through his term as vice president, president-elect, and, finally, president of the Water Environment Association of Texas in 2013-2014.

During his terms as WEF delegate, vice president, president elect, and president, Curtis exhibited exceptional leadership skills. He also proved to be a valuable asset in strengthening WEAT's relationships with likeminded organizations including Texas Water Utilities Association, Water Environment Federation, and Texas Section of the American Water Works Association. Curtis is also an exceptional communicator. Because of his ability

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to articulate the industry's issues, Curtis has often been a go-to resource at the agency and testified on behalf of WEAT's interests at the Capital. In 2011, Curtis accepted a position with the City of Waco as the treatment program administrator, where his managerial and supervisory skills are practiced daily. At the utility, he continues to inspire new water leaders and shine a light on the pathway from operator to supervisor and

manager. Throughout his 31-year career in the City of Lubbock, BRA, Veolia Water and the City of Waco, Curtis has been a longtime advocate and practitioner of conservation and a healthy water environment. Thank you, Curtis Smalley, for your insight, breadth of knowledge, leadership by example, and service to WEAT and preserving our water environment!

TEXAS SECTION - AMERICAN WATER WORKS ASSOCIATION
&
WATER ENVIRONMENT ASSOCIATION OF TEXAS

WORKFORCE DEVELOPMENT AWARD

...to recognize a utility, agency or company for an innovative and successful program designed to promote workforce development for the utility, agency or company or the water industry in general. Another purpose of the award is to bring workforce development programs forward for others to use or adapt or be inspired.

**Texas Veterans Commission
& City of Arlington**

Sally Mills-Wright of the City of Arlington and Kevin Smith of the Texas Veterans Commission developed a working relationship resulting in the benefit of both organizations and Veterans seeking employment. Mr. Smith has learned about the Water Sector and has a good understanding of the qualifications that the City of Arlington is looking for. Ms. Mills-Wright has learned how the TVC assists Veterans who are seeking employment. Mr. Smith contacts Ms. Mills-Wright when he finds a good candidate to see if the City of Arlington has any open positions. And, Ms. Mills-Wright sends job postings to Mr. Smith when she is looking for candidates.

When a candidate starts the application process, both Mr. Smith and Ms. Mills-Wright are in communication to make sure that the candidate completes all the necessary steps in the process and that the candidate is given a fair appraisal in the process. This relationship assures that the Veteran

will be able to compete for an open position.

As they have worked together, both organizations have a better feel for the needs of the other. This has benefited Veterans who have been encouraged to seek employment in the water sector. Ms. Mills-Wright attests to the fact that Veterans make good water sector employees and she is anxious to give them a fair chance. The benefit of this program to the City of Arlington is that they are now able to tap into a new labor pool to find qualified candidates for open positions. The benefit of the program to the Texas Veterans Commission is that they now have another employer who knows the benefits of hiring Veterans and is willing to go to a little extra effort to bring Veterans into the water sector and hopefully find a lifelong, rewarding career. An additional benefit to this program is that it can serve as a model for other utilities to work with their local Veterans' assistance organizations.

BLUE LEGACY AWARD

Recognizing the importance of conservation in meeting our future demand, the 80th Regular Session of the Texas Legislature (2007) via the passage of Senate Bill 3 and House Bill 4, directed the Texas Water Development Board to appoint members of the newly created Water Conservation Advisory Council. The Council was created to provide the Governor, Lieutenant Governor, Speaker of the House of Representatives, Legislature, Texas Water Development Board, Texas Commission on Environmental Quality, political subdivisions, and the public with the resource of a select council with expertise in water conservation. The Council is composed of 23 members appointed by the TWDB.

One of the charges the Texas Legislature gave the Council was to develop and implement a public

recognition program for water conservation. To accomplish this, the Council partnered with TCEQ on its Texas Environmental Excellence Awards for the Water Conservation Award and developed a program to present water conservation awards at other existing events across the state. This includes partnering with Texas Section AWWA to present the Blue Legacy Awards annually at the Texas Water conferences.

The Municipal Category is broken into four categories based on size.

- **Metropolis, Greater than 500,000 in Population**
- **Medium, 100,001-500,000 in Population**
- **Small, 50,000-100,000 in Population**
- **Rural, Less than 50,000 in Population**

City of Austin

In 2011, the City of Austin initiated collaboration between the Austin Water Utility and multiple energy utilities to reduce water and energy costs for building upgrades for several groups including low income residents, multi-family residential owners and renters. The partnership also increases compliance with water and energy efficiency ordinances, provides customers with a one-stop-shop approach to utility efficiency programs, and uses program resources to reach a wider audience and overcome split incentives.

On the heels of success with the program, the City expanded the partnership in 2013 by launching the Home Efficiency Assistance Program (HEAP) with a goal to provide energy and water efficiency assessments, repairs and upgrades to low income residents. Customers whose income was not more than 200% above the federal income poverty level were eligible and priority was based on the application date and high energy or water use.

Additionally, the utilities launched the Small Business Outreach Program to incorporate local businesses into water and energy conservation strategies.

Through evaluations of each program, the City of Austin has seen success among its customers. HEAP has funded home improvements for more than 750 low-income customers, and Austin Water contributed more than \$50,000 in water conservation improvements which included low-flow showerheads, aerators, low-flush toilets and plumbing repairs. To date, the water savings from all the programs instituted by the City of Austin is estimated at 48,068 gallons per day with a cost savings of about \$228,083. The City of Austin has shown leadership by example in partnering their utilities with innovative water conservation strategies.

BLUE LEGACY AWARD

City of Round Rock

The City of Round Rock reacted to dry weather conditions throughout the last several years by engaging their citizens in several rain barrel sales to promote rainwater harvesting. Since 2009, the city has hosted three rain barrel sales at their Recycling Center with each barrel costing the customer \$25. Staff with the city uses 55-gallon drums from the water plant, modifying them for \$14 per barrel. Because of high interest in the program, the environmental supervisor with the City of Round Rock reached out to a company in Austin that generates plastic drums from a soap manufacturing process. These drums are now incorporated into the program.

In October 2012, the city hosted their major one day rain barrel sale in partnership with Rain Water Innovations. The barrels are lightweight and compact enough to be transported in most vehicles. Advertisements through the city's website, water bills, the press, and displays continued for six weeks prior to the event. Final counts revealed 396 Ivy barrels distributed to around 200 customers at the October 2012. The following sale in April 2013 distributed 291 Ivy barrels, 61 Moby barrels, and 26 100-gallon barrels to 240 people.

BLUE LEGACY AWARD

City of New Braunfels

The City of New Braunfels recognizes water conservation often starts with individual habits. This led to the creation in 2006 of New Braunfels's Utilities (NBU) Behavioral Modification Program. The program goals included reduction of water use, improving the public's perception of water conservation, easing the strain on the Edward's Aquifer, and extending water supply. To achieve their goals, NBU focuses on education, program outreach, interaction and increasing the community involvement.

The city took advantage of attendance at community events throughout the year by giving water conservation presentations, setting up informational booths and interacting with children in entertaining and educational opportunities. Additionally, the city built a mobile water display to illustrate the city's water use made from 354 one-

gallon recycled milk jugs. Customer involvement centered on rebates for water conservation strategies including rain barrels and appliance upgrades. A landscape calendar contest focused the community through competition to create the most drought friendly yard while receiving a picture of the winners' landscape in a calendar.

The City of New Braunfels has seen great success in its efforts to involve the community in water conservation efforts. Their displays are consistently requested at events throughout the city and state. Portions of their rebate program were discontinued because the market was saturated with customers taking advantage of the opportunity to conserve and the calendar contest was such a success, the city had to print additional copies to meet demand for sales.

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BLUE LEGACY AWARDS

Cinco Ranch Municipal Utility District

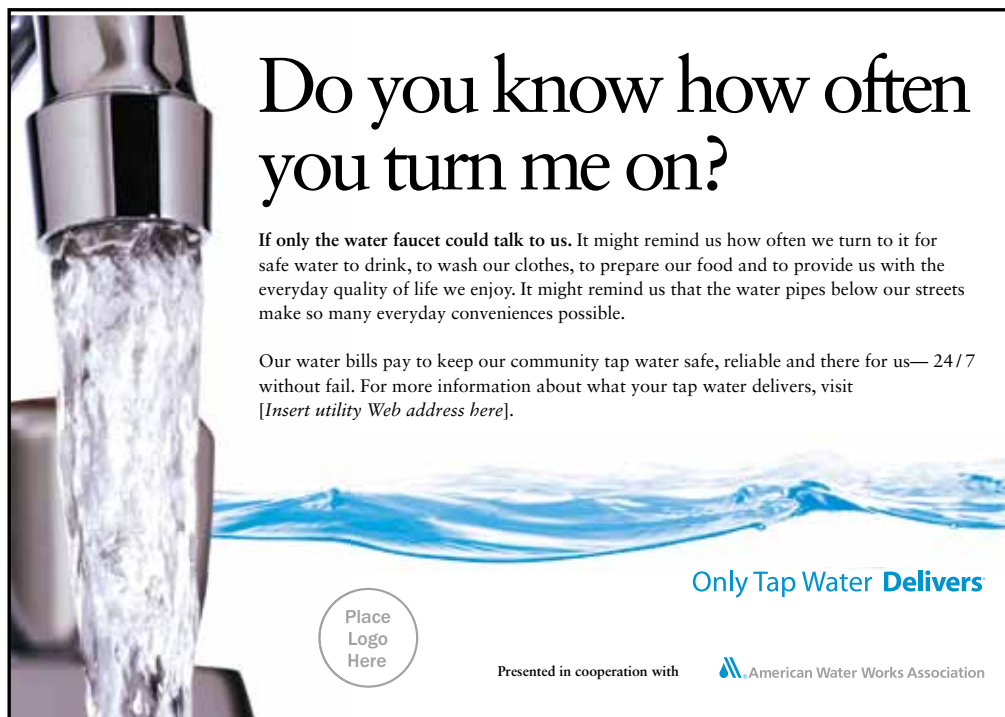
When creating its new master planned community in Katy, the Cinco Ranch Municipal Utility District set out to pave the way in new technology and management practices in their region. As an older master planned community, the MUD wanted to retrofit the irrigation system to not only be compliant with the Texas Commission on Environmental Quality regulations for using Type 1 water for irrigation but also make their system a water efficiency project.

Cinco Ranch MUD is currently converting about 20 percent of their public space and replacing existing spray heads with spray bodies which utilize higher theoretical efficiency. Additionally, the MUD

is converting the property to a central control irrigation system.

Cinco Ranch MUD has not stopped at a full retrofit of the property but continued the program through training both in the classroom and the field along with evaluations on those receiving the instruction. And lastly, the MUD will implement a new billing system using a water budget rate structure. If a customer uses more than actual plant/water needs for a month, additional fees will apply.

In addition to cost savings and water conservation, the Cinco Ranch MUD is seen as a leader in irrigation strategies in communities of its type.




Do you know how often you turn me on?

If only the water faucet could talk to us. It might remind us how often we turn to it for safe water to drink, to wash our clothes, to prepare our food and to provide us with the everyday quality of life we enjoy. It might remind us that the water pipes below our streets make so many everyday conveniences possible.

Our water bills pay to keep our community tap water safe, reliable and there for us— 24/7 without fail. For more information about what your tap water delivers, visit *[Insert utility Web address here]*.

Place Logo Here

Only Tap Water Delivers

Presented in cooperation with  American Water Works Association

DISTINGUISHED PUBLIC SERVICE AWARD

...to recognize distinguished public service outside the line of duty by an AWWA member.

Edmund G. “Ed” Archuleta, P.E.

For more than a quarter of a century, Mr. Edmund G. “Ed” Archuleta has been recognized as a water community leader. He has made a positive impact on the El Paso region by engaging in value-driven initiatives to promote economic, social, and cultural vitality.

Mr. Archuleta led the El Paso Water Utilities for more than two decades. During his tenure, he spearheaded many initiatives that advanced the utility as a national leader in water conservation, reclamation and desalination. Through his leadership, guidance and expertise, the utility is recognized as one of the most progressive water agencies in the country. In 2013, he retired after more than four decades in the water industry.

A registered professional engineer in Texas, New Mexico and Iowa, Mr. Archuleta earned B.S. and M.S. degrees in civil engineering from New Mexico State University and a master of management degree from the University of New Mexico. He is an American Academy of Environmental Engineers Diplomat.

In June 2006, he was appointed by President George W. Bush to the National Infrastructure Advisory Council. In 2008, he was appointed by the National Academy of Engineering and National Academy of Sciences to develop a publication on water reuse as an approach on meeting future water supply needs. He was named the WaterReuse Association’s Person of the Year in 2010.

In 2010, Mr. Archuleta was appointed by President Barack Obama to represent the United States as chairman on the three-member Pecos River Compact Commission.

Not only is Mr. Archuleta active in AWWA but also the Water Environment Federation, WaterReuse Foundation, National and Texas Societies of Professional Engineers, Texas Water Conservation Association, New Mexico/Texas Water Commission and Far West Texas Planning Group.

As a community leader, Mr. Archuleta works within the community and region to get things done. He found time to give back to his community through involvement in several civic organization including the United Way, Paso Del Norte Health Foundation, Rotary Club, Greater El Paso Chamber of Commerce, Community of Acción and USO El Paso Chapter.

Mr. Archuleta’s planning and management strategies were instrumental in stabilizing the Hueco Bolson Aquifer, as well as identifying other resource strategies. He championed EPWU’s Kay Bailey Hutchison Desalination Plant.

Although Mr. Archuleta retired after more than four decades in the water industry, he continues to tirelessly work to educate water utility professionals about water reuse, conservation and desalination programs. He advocates the need to diversify water resources. His influence continues to be felt on both sides of the United States/Mexico border.

www.tawwa.org

DIVERSITY AWARD

...to recognize an individual, group, or organization that has created, promoted, and maintained diversity by establishing an environment that recognizes, encourages, and effectively utilizes each individual's talents.

Ronald K. Tamada, P.E.

AWWA's Diversity award recognizes those that have promoted diversity by establishing an environment that recognizes, encourages, and effectively utilizes each individual's talents. For many years, Mr. Ron Tamada has worked tirelessly to promote diversity. Through his guidance, the Diversity Committee developed various diversity initiatives including extensive training opportunities delivered by a network of diversity experts. He, and the committee he assembled, are an asset to the Texas Section, AWWA and the water industry.

Mr. Tamada has over 29 years of experience in providing engineering services for water utilities including water treatment plant design, plants permitting and regulatory compliance. Ron received his B.S. in Environmental Engineering from the University of Illinois at Chicago in 1973, a M.Ed., in Religious Education from Southwestern Baptist Theological Seminary in 1978, and has been a registered engineer in the State of Texas since 1987. Mr. Tamada currently holds the title of the Manager for Engineering Services for the Northern Region of the Trinity River Authority in the Dallas/Fort Worth metroplex.

Ron has worked tirelessly to promote and foster diversity within our Section. As the Diversity Committee Chair for TAWWA, Ron has guided the

committee to developing various diversity initiatives including extensive training opportunities delivered by a network of diversity experts. Through Ron's vision and leadership the TAWWA Diversity committee encompasses the values and beliefs critical to the purpose of diversity. He has effectively created a group with diverse backgrounds and perspectives who have become a real asset to TAWWA and our members. This committee continues to grow and prosper through Ron's leadership and his never ending desire to increase and improve diversity within the water utility industry.

Under Mr. Tamada's leadership, the TAWWA Diversity Committee developed a video titled "Women in Water Leadership," which features many of the outstanding females in our industry. This video is currently featured on the AWWA and TAWWA websites.

Mr. Tamada also led the effort by the committee to recognize Hispanic contributions to the water industry in Texas in honor of Hispanic Heritage Month. The committee utilized the AWWA Special Emphasis Observances Months campaign to highlight the contributions of a few Hispanic members in the TexasH2O journal.



PUBLIC COMMUNICATIONS ACHIEVEMENT AWARDS

...to recognize excellence in the field of communicating information about water industry issues to the public.

City of Mansfield Water Utilities

Mansfield Water Utilities has been awarded AWWA's Public Communications Achievement Award for significant accomplishments in communication educating the public, promoting awareness and understanding of water issues, establishing media relations, implementing community involvement programs, and inspiring others to model behavior with the public that builds trust and credibility.

The City of Mansfield's H2Outreach Program consists of a wide range of communications strategies aimed at expanding the public's understanding of water-related issues. Whether it's with the annual consumer confidence report, the division's mascot, or the hydration station, Mansfield is creating awareness in the community.

Honorable Mention

North Texas Municipal Water District

The Texas Section is also pleased to recognize the North Texas Municipal Water District for receiving Honorable Mention in AWWA's Public Communications Achievement Award category. The North Texas Municipal Water District's Water IQ program addresses the imperative need for water conservation and efficient water-use practices due to regional population growth and historic droughts that North Texas continues to experience. In 2005-2007, North Texas experienced its worst drought in 50 years. With the immediate need to save water in the nine-county area served, NTMWD became the

first organization to put the state's recognized water conservation and education campaign, "Water IQ: Know Your Water" into action.

NTMWD launched a comprehensive public awareness and education campaign targeting audiences identified through marketing research. Now in its ninth year, the NTMWD Water IQ campaign continues to evolve to best reach the targeted audience and is measured and driven by quantitative and qualitative research.



Only Tap Water Delivers

- ...public health protection
- ...fire protection
- ...support for the economy
- ...the overall quality of life we enjoy

WATER INDUSTRY HALL OF FAME AWARD

...to recognize distinguished public service outside the line of duty by an AWWA member.

Kay Kutchins

Ms. Kutchins' enduring contribution to the water industry is her commitment to the industry and her excellence in delivering quality training!

She developed and delivered management training for aspiring utility managers, many from small utilities who might not have had other opportunities for personal development or advancement without her encouragement. She empowered many future utility managers to achieve success in their careers.

Because of her encouragement and her willingness to share her knowledge and skills with all, many communities are now being better served. Kay Kutchins touched the lives of their leaders. Her legacy is the solid leadership evident throughout the industry.

Ms. Kutchins holds a Bachelor's degree in History and Political Science from the University of Texas at San Antonio and a Master's degree in Environmental Studies and Human Resources Management. She was the chief architect and facilitator for the highly successful AWWA Texas Section Management Institute that is still delivering both basic and advanced training to members in Texas and AWWA's Region VI.

Ms. Kutchins served as director of training and development for San Antonio City Water Board, as president and principal consultant for Kay Kutchins & Associates, as national practice leader in the Management Consulting Division of Black and Veatch, as instructor in Utility Management Institute/Training and Capacity Building for North American Development Bank and as manager of community relations for BexarMet Water District,

She still found time to give back to the community as deacon and choir member at First Presbyterian Church of San Antonio. She served on San Antonio Symphony's Annual Fund/Maestro Society Committee, as chair of San Antonio Water System's Citizen Advisory Panel on Water Resources, and on the Board of Directors of the San Antonio Downtown Residents Association.

Ms. Kutchins also worked tirelessly and diligently with the North American Development Bank to develop and deliver a management and leadership institute to the communities on the U.S./Mexico border. The students from Mexico loved her and valued her knowledge and input. In spite of the language barrier, she still managed to connect with these students.

Ms. Kutchins served for many years on AWWA's Management Development Committee. She facilitated and coordinated the most recent rewrite of AWWA's M-5 Management and Leadership Manual. That manual is being used by many water professionals across the water sector. Through that manual, her influence on management practices and her transfer of critical knowledge is still taking place.

Ms. Kutchins also mentored many young people in other areas of the water sector, especially customer service, where she started her water industry career. She has been a role model for women in the water industry. She was one of the first women to become actively involved in the governance of AWWA and inspired many of the women who followed her. She is beloved by all who know her, especially those whose lives she has impacted.

LANDMARK AWARD

...to recognize and preserve an American, Canadian, or Mexican Water Landmark at least 50 years old that has had a direct and significant relationship with water supply, treatment, distribution, or technological development.

Market Street Pump Station - San Antonio Water System

In a city steeped in history and legend, few places have witnessed as much and played so important a role as SAWS' Market Street pump station. From its perch on the west bank of the San Antonio River across from the Alamo, the pump station made it possible for a booming metropolis to replace a dusty frontier town.

As the young city grew in the decades after the Texas Revolution, supplying the populace with plentiful, quality, and affordable water became a main concern of Colonel George W. Brackenridge, who was the financial and engineering force behind the privately held San Antonio Water Supply Company. From his observations of spring flows at the San Antonio River headwaters, Brackenridge believed it might be possible that a vast supply of pure underground water could be delivered to the surface by artesian pressure, if only one could drill deep enough.

In February of 1891, residents were stunned by the appearance of a spectacular geyser at Market Street that erupted when drillers hired by Brackenridge reached a depth of 890 feet. There was so much artesian pressure that it blew out pieces of rock "as large as a man's head." This was a signal achievement – it was the first large well drilled into the Edwards Aquifer for municipal supply.

The Water Company's success touched off a boom in deep well-drilling, with hotels, office buildings, and industries drilling their own secure water supplies. The impact extended far from San Antonio, as residents throughout the entire Edwards Aquifer region realized that an assured water supply was underneath their feet.

At Market Street, additional wells were soon drilled and a pump house was built to house a 500-volt electric motor that operated six belt driven pumps. In 1895, the electric motor was replaced with a steam boiler and a new Worthington steam pump. As the new century approached, the Water Company realized the need for even more pumping and well capacity. In 1902, a new contract was signed with the city and plans were made to build a new pump house designed to house two Allis-Chalmers triple expansion plunger pumps and new steam boilers to operate each. More wells were drilled, and the steam boiler's tall smokestacks ruled the downtown skyline.

In 1905, Brackenridge sold his holdings in the Water Supply Company to the Mississippi Valley Trust Company of St. Louis, which managed the city's water supply system on behalf of a Belgian syndicate between 1905 and 1920. An administrative office building was constructed on the Market Street site, and the water system was known as *Compagnie des Eaux de San Antonio*. In 1923, the water company purchased property from the Casino Club for additional well sites and buildings.

In 1925, the city acquired the entire site when it purchased the *Compagnie des Eaux* and formed the City Water Board. In the following decades, the pump house underwent several transformations, and a two-story cut stone building that appears in many early photographs was replaced in 1956 by the current brick structure, giving the pump house a more streamlined, utilitarian look. Eventually, more than a dozen wells were located here, supplying more than 25 million gallons per day.

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The Market Street site served as headquarters for the City Water Board until 1959, when the administrative offices were moved to the City Hall Annex on Dolorosa Street. The administrative buildings were demolished in 1962 and the site was extensively relandscaped to create a mall-styled entrance way to the River Walk.

By the mid 60s, the city had over 70 pumping facilities scattered throughout San Antonio, and remote control of pumps and valves by telemetry was an advancing science. An imposing but elegant panel of instruments and devices was installed at Market Street that made San Antonio's water production facilities one of the nation's first systems to be brought totally under telemetric control. Magazines of the day published articles on San Antonio's "push-button water supply", and the station was featured on the cover of Public Works magazine in June 1964.

In 1966, more landscaping added an arbor and patio area and the pump station grounds served as the official entrance to the Paseo del Rio, the River Walk.

Currently, the station has three active wells with a capacity of 43.2 million gallons per day. Work recently completed at Market Street included retrofitting the disinfection system from chlorine gas to on-site hypochlorite generation. SAWS also entered into a partnership to bring a unique new attraction to downtown. Part of the property is being leased to the Dolph and Janey Briscoe Western Art Museum, the new occupants of the old Carnegie Library building.

Except for the Alamo itself, there is no other site that approaches the importance of the Market Street pump station in shaping the development and history of south central Texas.

AMERICAN WATER WORKS ASSOCIATION

LANDMARK AWARD

...to recognize and preserve an American, Canadian, or Mexican Water Landmark at least 50 years old that has had a direct and significant relationship with water supply, treatment, distribution, or technological development.

North Holly Water Treatment Plant City of Fort Worth Water Department

More than a century ago the initial components of Fort Worth's water system were built. Today, as one of the fastest growing cities in the nation, Fort Worth continues to use many of those structures as critical components in the city's water system.

The pump station for the North Holly Water Treatment Plant was built in 1892. The original steam pumps were replaced in 1950 with a 15-MGD electrical pump. That pump is still operational today, but the motor has been replaced.

When water was first found under the city, residents enjoyed artesian water until the city recognized the need for a pumping system. In 1882, Captain

B.B. Paddock established a private water company. It included six miles of pipe, two boilers, and one 3-MGD pumping engine that could be overloaded to 4 MGD. Another 2 MGD of pumping capacity was added two years later. In 1884, the system was purchased by the City of Fort Worth and became the city's first water system.

By the 1890, there was a rapid increase in Fort Worth's population because of the Texas and Pacific Railroad's arrival. The population had tripled in the previous decade, and the existing water system was unable to meet the growing city's demands.

Mayor John Peter Smith lobbied for a plentiful

(Continued)

and safe water supply. After debate over various bids and proposals, on December 8, 1891, the city council's water works committee recommended contracting with McArthur Brothers Company of Chicago to build the new water system and with the Holly Manufacturing Company of Lockport, N.Y. for pumps and boilers.

It was Dec. 22, 1891 when the city council entered into the contracts with McArthur Brothers and the Holly Manufacturing Company. The system would include a pump house, boiler house, smoke stack, and other facilities. The cost was \$687,000. The contract required completing the job in one year following plans created by the American Water Works Company.

The Holly Pump Station, taking its name from the manufacturer of the original pumps, was operational in 1892 with a pumping capacity of 8 million gallons per day. It was comprised of two triple-compound vertical pumping engines, four horizontal boilers, furnaces, and other appurtenances. The steam-powered pumps were housed in the basement of a heavy masonry building that still exists and today houses the existing high-capacity, electric-driven centrifugal distribution pumps with 180 MGD capacity.

In 1911, Fort Worth constructed its first water treatment plant just north of the Holly pump station – a 5 MGD rapid sand filtration plant.

The American Society of Civil Engineers named the North Holly Pump Station a State Engineering Landmark in 1991. The Fort Worth Historic and Cultural Landmarks Commission granted historical recognition to the Holly Water Treatment Plant in January 2002.

Two years ago, the original discharge piping was replaced as part of a project that increased the size of the line. During that construction, a valve that was installed in 1892 had to be removed and replaced, even though it was still working.

Over the last century, the plant has undergone numerous expansions and improvements, such as new filters, enhanced sedimentation facilities, backwash clarification, the addition of ozone treatment facilities and conversion to sodium hypochlorite and liquid ammonium sulfate, in order to keep up with drinking water standards and increasing demands. The North Holly WTP now has a capacity of 80 million gallons per day. It is an integral component of the Fort Worth water system. Fort Worth is very proud it has continued to maintain and operate one of the oldest municipal water pumping and treatment facilities in the state of Texas. Additionally, the utility has chosen to adaptively reuse the original buildings and as much of the other structures as possible.

AMERICAN WATER WORKS ASSOCIATION

EDUCATION AWARD

...given to the AWWA Section for initiatives that educate water industry personnel, the public, students, or other groups about drinking water and to disseminate guidelines that will enable other AWWA sections to conduct comparable educational activities.

Water Conservation Webcast Series

Texas Section AWWA will receive an award for its series of Water Conservation Webcasts conducted in partnership with the Texas Water Development Board.

Producers of these webcasts were John Sutton with TWDB, Nora Mullarkey with the Lower Colorado River Authority and Mike Howe of TAWWA.

WENDELL R. LADUE UTILITY SAFETY AWARD

...presented for an impressive safety record based on the utilities safety record for the past five years, the safety and health program best practices and answers to specific questions on supplemental data sheets.

San Antonio Water System

Safety is integral to daily operations at the San Antonio Water System. An Executive Safety Steering Team, which includes the Director of the eight member Safety Department, meets on a monthly basis to map out safety objectives for SAWS employees at all levels for long term improvements in safety performance and to bring consistency and guidance to safety related policies, practices and procedures. The Safety Department strives for continuous improvement and has implemented a number of important programs in the last five years.

In 2009, the emphasis was on upgrading all programs that could have exposures that were immediately dangerous to life and health, such as HazMat emergency response, confined space entry, and excavation safety. In 2010 and 2011, the Safety Department introduced Learning Opportunities, a one page document that briefly describes a near miss or safety hazard observed within SAWS.

Learning Opportunities are distributed to various levels of management on a monthly basis to discuss with their staff during departmental and all-hands safety meetings. In 2011, training for heavy equipment operators was implemented in-house using SAWS' own equipment. In 2012, Job Safety Analyses were introduced for six basic work environments from construction sites to industrial settings to the office environment, which clearly stated the PPE and other hazard controls required in each location. In 2013, a comprehensive 120-page Employee Safety Handbook was published and made available online.

Prior to 2008, SAWS consistently had a Total Recordable Incidence Rate (TRIR) of 10.0 or higher. The Safety Department's activities over the last five years reduced the TRIR to 5.14 by the end of 2011. In 2012, SAWS merged with the Bexar Metropolitan Water District (Bexar Met), which had a TRIR of 12.03 for the year 2011. Through dedicated efforts to integrate Bexar Met employees into the SAWS safety culture, the combined company achieved a TRIR of 6.40 by the end of 2012. Because of efforts to more accurately classify injuries as they happen, the TRIR had a minimal increase of 2.5% ending at 6.56 for the year 2013.

SAWS continuously seeks innovative tactics that will promote safety to be practiced as a force of habit for its employees through an annual incentive program which results in gift cards for all eligible employees based on the overall company safety record. To participate in this program, employees must report their injuries in a timely manner and take all necessary actions to avoid injury for themselves and their co-workers. A SAWS employee can earn up to \$150 per person if the goal of 20% (or greater) reduction of overall injuries/illnesses in the company is reached.

SAWS not only promotes safety among its employees but encourages safety messages among its children, grandchildren, and dependents with its annual Safety Poster Contest. Contest winners earn prizes and have their posters featured in a safety calendar which is distributed to employees the following year.

HEROISM AWARD

...an act of heroism on the part of an employee or employees in the water utility profession wherein he or she, in the process of aiding some other person or persons, must have placed himself/herself at great personal risk.

C.J. Gillaspie & City of West Public Works Department

City of West Director of Public Works, C.J. Gillaspie, is a captain of the West Volunteer Fire Department and was one of the first responders to the West fertilizer plant fire. The facility caught fire on Wednesday, April 17, 2013, then exploded as firefighters were attempting to douse the flames. The explosion resulted in 15 deaths, 300 injuries and more than \$100 million in damages.

Mr. Gillaspie drove a fire truck to the plant when the emergency call was received. Since there was no fire hydrant at the fertilizer plant, Gillaspie drove the truck to a nearby school and called for backup.

Needing more water as the fire intensified, CJ took off in another truck, intending to hook it up to a fire hydrant. He had just exited the vehicle when the plant exploded. A blast of hot air knocked him to the ground. He scrambled to his feet and ran back toward the plant, grabbing his radio to cancel the backup call and prevent further injuries.

He moved through the twisted metal and burning embers and, finding three other injured firefighters, he let them know ambulances were on the way. He found no other firefighters alive and had to turn around and walk away. He discovered that his own home had been destroyed but that his family was safe.

The responders continued evacuations through the night and CJ headed to his public works office, where, after a couple of hours of shock, he was able to begin the process of dealing with the water and wastewater system.

During the coming weeks, his diligence and that of his staff and the Central Texas "Water Brotherhood" provided for the health and safety of 2,800 residents and swarms of media by assessing damages and quickly implementing strategies to safely supply water after a total system shut-down. The Central Texas "Water Brotherhood" was composed of volunteers from surrounding cities, rural water systems and contractors. CJ and his staff worked tirelessly, around the clock and without rest.

In the coming months and to this day, CJ and his crew are dealing with the loss of friends, loss and damages to their homes, and personal stresses while dealing with their critical responsibility to protect the health of their beloved community by providing safe water.

WILLIAM T. “DOC” BALLARD AWARD

William T. “Doc” Ballard was one of those people who not only was the consummate professional in his work, but also a mentor to many, and a friend to all. As graduate of the University of Texas at Austin in 1946, and later with a Masters in Engineering from Georgia Tech, “Doc” began his career as a professional engineer with the State Public Health Department. He was assigned to the Tyler District Office and remained in Tyler working for the Department of Health, and later with LaGlonia Oil and Gas. He returned to the Department of Health as regional engineer of the Tyler office until his retirement in 1987. “Doc” was a consultant in water and wastewater treatment until his death in November 1999. Many knew “Doc” from his work with utilities, his many scholarly and practical writings published in a variety of professional publications and his active role with organizations such as AWWA, WEF, WEAT and TWUA. And, he was a Texas Section AWWA Fuller Award Winner in 1991. For all that

“Doc” did, those who knew him best remember him for what he did for others. As a public health professional, he remained committed throughout his long and productive career to helping us in the water profession do our jobs better and more effectively. And, “Doc” did it with a personal touch that made him a great mentor, teacher and welcome friend.

In 1999, the Texas Section AWWA created the W. T. “Doc” Ballard Award to recognize those Texas Section members who have distinguished themselves in our profession by using their personal influence to shape the course of change in our profession by helping utilities and individuals serve the profession better.

This award is not presented every year and only to those whose self-less contributions to the industry, beyond all others, deserves recognition.

Thomas E. Taylor, P.E.

Tom Taylor graduated with honors from the University of Arkansas with a Bachelor of Science Degree in Civil Engineering. He began his career in the oil fields of Southern Louisiana. Then after a stint in the U.S. Army, started with the City of Dallas. Rising, steadily through the ranks, Mr. Taylor became the youngest department head at the City, serving as head of three different departments. As Director of the Dallas Water Utilities (DWU) from 1980 - 1986, with over 1,800 employees, his responsibilities included water and wastewater services for the City of Dallas and 25 other customer cities. Because of his achievements at the City of Dallas, Mr. Taylor was honored in 1981 as one of the “Top Ten Public Works Leaders in North America” by the American Public Works Association. He was also inducted into the Arkansas Academy of Civil Engineering in 1994, in recognition of his career accomplishments.

Mr. Taylor led the Dallas Water Utilities during a critical and dynamic time of growth. At that time, DWU was developing new / advanced water treatment facilities to meet the requirements of the newly enacted Safe Drinking Water Act. During his tenure with DWU, Mr. Taylor helped shape many of the facilities and policies that are still in place today.

While he was Director, the department evaluated ways to acquire additional water supplies to meet future service area needs along with expanded raw water transmission and treatment capacity necessary to fully utilize any new sources. Mr. Taylor’s actions were essential in concluding the planning phase for Ray Roberts Lake and he personally negotiated the contract with the U.S. Army Corps of Engineers to implement the project. As part of the negotiations, Mr. Taylor is credited with the greenbelt environmental trail

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being developed along the Elm Fork of the Trinity River between Ray Roberts and Lewisville Lakes. In addition to providing watershed protection, this unique preserved natural area is extensively used today by thousands of citizens. Further, Mr. Taylor led the negotiations regarding DWU's acquisition of Lake Fork Reservoir. These two lakes added to the Dallas water supply inventory and have proven to be extremely beneficial to the millions of customers served by DWU, and clearly demonstrate Mr. Taylor's vision and skill as a water resources planner.

In 1986, Mr. Taylor left Dallas Water Utilities for the private sector. While a consultant, he led discussions with the cities and utilities of the Denton County area to address the needs for a regional water system: compliance with water, wastewater and solid waste regulations; and coordinated water supply planning. This planning was the genesis of the Upper Trinity Regional Water District.

The Texas Water Development Board awarded a grant to develop the plan for the new regional utility. By 1988, the plan was complete and legislation was drafted to create an independent water district to serve approximately 30 cities. The Legislature passed the bill and the Governor signed it on June 16, 1989.

Because of the key role he played and the vision he displayed during the planning activities, the community leaders voted to make Mr. Taylor the first Executive Director of the newly formed regional water district.

For 25 years, Mr. Taylor has led the Upper Trinity Regional Water District with a very clear mission: to provide the utility services that its customers need, without having the power of taxation. The District is governed by a Board of Directors appointed by its members and is considered by many to be a model regional agency for the future.

From the beginning, the Denton County area served by the Upper Trinity Regional Water District has seen unprecedented growth. The development of infrastructure began immediately upon creation of the District, and the first regional water treatment plant was placed in service in the summer of 1996. By 1998, the plant was in need of expansion. Today, Upper Trinity's Regional Water Treatment Plant

has a treatment capacity of 70 mgd; and, a second regional plant, the Tom Harpool Water Treatment Plant added an additional 20 mgd of capacity, utilizing membrane technology.

Under Mr. Taylor's leadership, Upper Trinity members, with a shared regional vision, have cooperated to achieve results that could be considered almost impossible for a newly created regional entity:

- Members enjoy a reliable long-term water supply, adequate for the next several years, with additional sources being developed, including proposed Lake Ralph Hall in Fannin County.
- From scratch, in about two decades, a regional water system has been developed that serves over 25 North Texas communities.
- During the same period, Upper Trinity planned and built three regional water reclamation plants that provide wastewater treatment for approximately 16 communities; a fourth water reclamation plant is under construction. These water reclamation plants are part of the Upper Trinity water reuse program and supplement available water resources.
- All of Upper Trinity's facilities were developed without the benefit of tax revenue, impact fees, or State or Federal grants.
- Most recently, TCEQ approved Upper Trinity's water rights permit for Lake Ralph Hall, the first new water supply lake authorized in Texas in almost 30 years.

Throughout his career, Mr. Taylor has been instrumental in shaping and leading the water industry, including serving on the Utility Council for AWWA. He has participated in, and encouraged his staff to be actively involved in professional organizations that support the water profession, and has served as a mentor to his staff. As a result, many of his key staff have gone on to be senior leaders and utility directors for major utilities. Of special distinction, two subordinates were elected to be President of AWWA. Tom Taylor's leadership ensured that both the Dallas Water Utilities and the Upper Trinity Regional Water District became model agencies for others to follow.

CHAPTER OF THE YEAR

Local Chapters play an essential role in the achievement of Texas Section AWWA goals and objectives. The local chapters organize a multitude of professional and social programs, conduct membership recruitment and retention drives, support technical activities striving to advance the water community, and market AWWA as “dedicated to the world’s most important resource.”

Through the annual Chapter Awards program, Texas

Section AWWA has the opportunity to recognize the valuable contributions of local chapters as they strive to enrich, educate, and enlighten the AWWA membership. Included in the Chapter Awards program is the Chapter of the Year Award. To win this award, the Chapter must submit in each of the five individual project award categories: Chapter communications, Community service, Educational offerings, Fundraising effort, and Membership recruitment and retention.

Capital Area Chapter

The Capital Area Chapter serves the AWWA members and water professionals in Bastrop, Blanco, Burnet, Caldwell, Hays, Travis and Williamson Counties. The highlights of their achievements this past year are in the communication, membership recruitment and retention, and educational offerings categories.

The Capital Area Chapter is actively and regularly communicating with its members. The chapter communicates with its members through a variety of avenues including a bi-monthly newsletter, email distribution list, Texas Section AWWA website, attendance at Texas Section board meetings and student chapter communications.

The chapter is committed to recruiting new members and retaining existing members in various ways. The chapter’s grassroots outreach program encourages members to reach out to their colleagues and bring them to AWWA sponsored events. This grassroots, peer-to-peer approach has been highly effective. The chapter membership has

increased 31 percent over the past two years with a 17 percent increase in membership in 2013. There are 435 members in the local chapter. To encourage participation from young professionals, the chapter sponsors networking events with the local WEAT chapter. In addition, the chapter works with the student chapter of AWWA/WEAT at the University of Texas at Austin.

To promote educational offerings, the chapter holds bimonthly meetings and hosts an annual fall seminar which provides the membership the opportunity to hear about leading edge projects, learn from the experts, and network with colleagues. This year’s one-day seminar, “Abundant Energy + Vanishing Water” was attended by approximately 70 participants from the Central Texas region. The seminar also supports the Texas Section AWWA scholarship program and raised \$5,000 for scholarships this year.

AMERICAN WATER WORKS ASSOCIATION

SILVER WATER DROP AWARDS

The AWWA Life Membership Awards are given to those members who have achieved 30 years of service to the water community and AWWA.

Hector L. Acevedo	Missouri City	Stephen M. Jenkins	Carrollton
Roger D. Aguillon	Kirby	Bobbie K. Kidd	Clarendon
John Bolender	Huffman	James L. McNutt	Dallas
William L. Boomer	Fort Worth	John D. Mercer	Edna
S. Frank Crumb	Fort Worth	Edward M. Motley	Arlington
Bruce P. Curtis	Grand Prairie	David W. Mueller	Houston
Kirit C. Daftary	Waco	Jerry Potter	Mansfield
Linda G. Gaddy	Houston	Jimmie R. Sims	Huntsville
Richard H. Gerlach Jr.	Houston	Jeannie K. Wiginton	Austin
Gary R. Hartwell	Frisco		

SILVER WATER DROP & LIFE MEMBER AWARDS

The AWWA Life Membership Awards are given to those members who have achieved 30 years of service to the water community and AWWA and are at least 65 years old.

Ron Baker	Carbom	P.K. Patel	Dallas
Phillip L. Boyd	Combine	David Rich	Lake Jackson
Jerry W. Chapman	Denison	Jean A. Schulze	Canton
Robert B. Higgins	Houston	John F. Stull	Dallas
Ahmed Y. Kadry	Waco	Charlotte Voelker	Elgin
Clarence L. Littlefield	Gonzales	Dorothy P. Warren	Austin

LIFE MEMBERSHIP AWARDS

The AWWA Life Membership Awards are given to those members who previously achieved Silver Water Drop Award status and are now at least 65 years old.

John D. Brock	Cypress	John P. Wier	Arlington
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GOLD WATER DROP AWARDS

The AWWA Gold Water Drop Awards are given to those members who have achieved 50 years of service to the water community and AWWA.

John F. Kubala

Bedford

AMERICAN WATER WORKS ASSOCIATION

GEORGE WARREN FULLER AWARD

One of the most prestigious awards in the water profession is the George Warren Fuller Award for distinguished service to the water supply field in “commemoration of the sound engineering skill, the brilliant diplomatic talent and the constructive leadership, which characterized the life of George Warren Fuller.”

This award winner is selected by previous Fuller Award winners, and kept a tightly guarded secret until the Texas Water Luncheon. In a unique ceremonial process, the current Chair of the Fuller Award Selection Committee of the Texas

Section AWWA will call all Fuller Award Winners in attendance to assemble in the front of the room. He will then direct the group to begin searching the room for the person known only to the committee members as this year’s Fuller Awardee. Slowly, as a brief highlight of this year’s awardee is read, the group will begin converging on this year’s winner’s location in the room. As the group converges, the detail in the awardee’s career highlights will become more and more specific. See if you or the awardee realizes at the last moment who the awardee is for the Texas Section American Water Works Association 2014 Fuller Award.

TEXAS SECTION – AWWA GEORGE WARREN FULLER AWARD WINNERS

1972	Robert P. Van Dyke	1994	F. Warren Norris
1973	Haskell R. Street*	1995	Katie McCain
1974	Richard G. Toler*	1996	Jack A. Renfro
1975	David R. Smallhorst*	1997	Randy J. Goss
1976	John H. Stacha*	1998	Ronny Hyde
1977	J.L. Robinson*	1999	Steve Walden
1978	John T. Hickerson	2000	Carole Baker
1979	Otis Goldman*	2001	Mark Lowry
1980	George O. Muller	2002	Bill Riley
1981	Charles K. Foster*	2003	Gary Smith
1982	Glen Doty*	2004	Jeannie Wiginton
1983	John Kubala	2005	Charles Anderson
1984	Phil Kosub	2006	Glenda Dunn
1985	James H. Bailey*	2007	Bill Smith
1986	Thomas D. Tiner	2008	Dean Sharp
1987	Michael K. Tubbs	2009	Mike Howe
1988	Michael Meadows	2010	Charles Maddox
1989	Kay Kutchins	2011	Mary L. Gugliuzza
1990	Dennis L. Allen	2012	Richard Talley
1991	W. T. “Doc” Ballard*	2013	Daniel Nix
1992	Lee. C. Bradley, Jr.		

* *Deceased*

For a complete description on the career of George Warren Fuller, read the following pages.

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AMERICAN WATER WORKS ASSOCIATION

GEORGE WARREN FULLER AWARD

“Little can be said about George Warren Fuller without recalling a thousand and one connections which he has had with sanitary engineering practice in this country and abroad. Amazingly active mentally, he always catalyzed those individuals who were fortunate enough to work with him. An enthusiasm tempered by seasoned judgment and reinforced by a remarkable technical knowledge, accounting for the fact that his name is identified with almost every important sanitary advance in this country in the last four decades. Many, however, are born at the right time who are either ill equipped or are lacking in sufficient vision to make the most of that good fortune. In Mr. Fuller’s case, heredity and environmental influence, coupled with remarkable energy, all contributed to the development of a practitioner of outstanding stature. He will be remembered long in the future, as much for his distinctive personal characteristics as for his long list of contributions to sanitary science and practice.” So wrote Abel Wolman editorially in *Municipal Sanitation* after Fuller’s death on June 15, 1934.

George Warren Fuller was born in Franklin, Massachusetts, December 21, 1868, on the farm which was part of the land acquired by the family during the Revolutionary period. Three or four Fullers came to Massachusetts from England before the middle of the Seventeenth Century. The one with whom we are concerned was Ensign Thomas Fuller, who, in 1642, by vote of the people of Dedham, was “admitted” - a prerequisite to citizenship at that time - to the purchase of Martin Phillips’ lot. He seems to have been a capable and versatile man. He was a surveyor for several years after 1660 and selectman for fourteen years; he repeatedly represented the community at the general court, was co-trustee of money bequeathed for the establishment of a Latin school and laid out the road to Cambridge as well as many minor ones. He kept the town’s ammunition, for which he was paid ten shillings a year, but had considerable trouble in collecting the fee, and at one time remitted part of it in order to obtain settlement. In the succeeding line, down through Grandfather Asa Fuller, who was a Minute Man, there continues to be activity of a civic nature—service as selectmen, court representatives, and the like.

George Warren Fuller was at the head of his class when he attended the Dedham schools. His scholarship was, of course, a source of great satisfaction to his mother.

At sixteen he passed the examination for entrance at MIT but, his father having died a few weeks before, it was thought best for him to have a fourth year in high school, after which he was graduated at the head of his class and with the highest marks given up to that time. At MIT he met and came under the influence of such people as William T. Sedgwick, Ellen H. Richards, and Hiram F. Mills, all enthusiastically interested in the new science of public health.

Their influence was felt throughout his life. Following his graduation, he spent a year at the University of Berlin and in the office of Piefke, engineer of the Berlin water works. On his return to Massachusetts, the state board of health employed him for some five years, during the latter part of the period being in charge of the Lawrence Experiment Station where he extended the experimental work and studies started by another famous chemist and engineer, Allen Hazen. The Lawrence Experiment Station was then recognized as leading in research on the purification of water supplies and treatment of sewage in this country. Fuller’s brilliant achievements in this field attracted such attention to his ability that he was selected in 1895 to take charge of the experiments at Louisville, Kentucky, in the use of rapid filtration. Immediately after he had accomplished this work, he was offered a similar engagement in Cincinnati, Ohio. These experiments served to remove the questions, which had been raised about the adequacy of rapid filtration compared with slow sand filtration for these municipalities, and, at the same time, established the value of mechanical filtration where conditions were such as to warrant its use.

During his 34 years of practice as a consulting engineer, following the opening of his New York office and, later, the opening of branch offices in Kansas City, Missouri; Toledo, Ohio; and Philadelphia, Pennsylvania, Fuller advised more than 150 cities, commissions, and corporations on their water supply and sewerage problems. The outstanding engagements, including among others: Washington, D.C.; New Orleans, Louisiana; St. Louis, Missouri; Indianapolis, Indiana; Kansas City, Missouri; Memphis, Tennessee; Wilmington, Delaware; New Haven, Connecticut; Lexington, Kentucky; Minneapolis and St. Paul, Minnesota; Montreal, Quebec; the Shanghai, China, Water Company; the International Joint Commission (Canada and United States boundary waters); the New Jersey Water Policy Commission; the North Jersey District Water Supply Commission; the Hackensack

(Continued)

Valley Sewerage Commission; and the Metropolitan Sewerage Commission of Rhode Island. For many of these engagements, his service included full control over all engineering work involved in the preparation of plans and contracts, as well as the actual construction.

Notwithstanding a busy life in active practice, Fuller gave freely of his time and energy to the advancement of his chosen profession through participation in the activities of technical societies, through contributions to the engineering press, and through educational activities. His record in this respect is outstanding. He was a member of the American Water Works Association (President); the American Public Health Association (President); the Engineering Foundation (Chair); the American Society of Civil Engineers (Vice-President); the American Institute of Consulting Engineers; the American Society of Mechanical Engineers; the Institution of Civil Engineers of Great Britain; the American Chemical Society; the American Society of Bacteriologists; the Engineering Institute of Canada; the Vereines Duetscher Ingenieure; the Association Generale des Hygienistes et Techniciens Municipaux of France; and the Franklin Institute.

Perhaps the most significant of Fuller's characteristics was his belief in organization and his devotion to standardization.

In 1920, at the Montreal Convention of the AWWA, Fuller negotiated the organization of a committee to codify and standardize water works practice. The Association before that time had developed a few specification Documents, but its relation to the preparation of those Documents was that of cooperative participation rather than leadership. The group under his leadership and chairmanship was first called the Standardization Council, later the Committee on Water Works Practice. He continued to be a dominant influence in the AWWA during the time its constitution and bylaws were being substantially revised.

At the New York Convention of the AWWA early in June 1934 (only a week before his death), Fuller was in constant attendance, participating in the sessions and continuing even then his stimulation of the activities of the Association and its elected leaders.

With the AWWA, APHA, ASCE and FSWA alone, more than 45,000 professional and technical men in North America are indebted to Fuller for the guidance of their organizational readjustments in the 1920-30 period, which made possible the standing that these associations have today.

George Warren Fuller was first of all a capable engineer, equipped with a mind that never closed a channel to new ideas. He was an inventive technician—first in the laboratory field, later in engineering and design. He was a skilled negotiator; a public relations counsel who never called himself one, but who by such skill persuaded reluctant city officials that they were very wise and right to authorize sanitary improvements. He was a loyal citizen who found himself able and willing to render service to his country during World War I. He was uncannily able to give ear to the ideas and aspirations of younger men in the field and to inspire in them some measure of the spirit of leadership that he possessed. He believed in the organization and assembly of technical and professional men and devoted himself fully to the advancement of their associations and societies to the end that they serve better through planned action and cooperation.

Fitting indeed were the words of M. N. Baker, in his editorial tribute in the Engineering News Record:

History will be better able than we are to appraise the contributions of George W. Fuller to the art of water purification, but history will not be so well able to appraise Mr. Fuller's personal qualities of understanding, kindness, sound judgment and tact as are we who have been fortunate enough to have frequent contact with him in our daily work. Here also should be recorded an acknowledgment of the debt the profession owes to Mr. Fuller, especially his chosen branch of the profession, for his liberal contributions of time and energy to its professional societies. It can be said without fear of contradiction that it was chiefly through his efforts that the American Water Works Association has been raised from the level of a social group to its present high standing as a technical organization. Mr. Fuller's passing also serves to re-emphasize the youthfulness of sanitary engineering and the fundamental nature of the contributions made by a generation of notable men, now largely departed—work that centered around the Lawrence experiments and laid the foundation for present design methods and practices of water filtration. Fuller's achievements and those of others of his generation are a legacy to be utilized by the present generation to carry the art forward to greater perfection.

www.drinktap.org

*Join us for more award presentations
during the Awards Breakfast
on Wednesday, April 16 at 7:30 a.m.
in the Ballroom.*

***The following awards are presented in the Exhibit Hall
following each competition.***

WATER ENVIRONMENT ASSOCIATION OF TEXAS
&
TEXAS SECTION - AMERICAN WATER WORKS ASSOCIATION

COMPETITION AWARDS

TAWWA Competition Awards

- Meter Madness (Tuesday)
- Junior Meter Madness (Tuesday)
- Pipe Tapping (Wednesday)
- Meter Madness (Wednesday)
- Top Ops (Wednesday)
- Best Tasting Drinking Water (Wednesday)

WEAT Competition Awards

- Operations Challenge (Wednesday)
 - Process Control
 - Pump Maintenance
 - Safety
 - Laboratory
 - Collection System

Exhibition Event

- Fastest Saw in the West (Wednesday)

MEMBERSHIP AWARDS

The Texas Section AWWA recognizes three members for their outstanding recruitment efforts that help maintain the Texas Section's leadership as the largest single state section of AWWA's forty-three sections. The section's continued growth is a testimony to meeting the needs of water professionals statewide.

Bill Smith - 8
Dean Sharp - 8
Richard Talley - 7

OPERATOR'S MERITORIOUS SERVICE AWARD

...to recognize those Texas Section members who have distinguished themselves in our profession by using their personal influence to shape the course of change in our profession by helping utilities and individuals serve the profession better.

Donald Malovets

Donald Malovets has worked for the Brazos River Authority for more than 20 years. In that time he has earned a well-deserved reputation as the go-to guy for diagnosing and fixing any problem at the facility or out in the field.

His ability to study a problem and visualize a creative solution, many times using materials on hand, has served BRA and its customers well.

Whether it's keeping intakes working during

drought conditions or crafting and installing temporary air diffuser piping for an aeration basin to maintain compliance during an outage, his talents are in demand for keeping systems online and teaching others how to do the same.

Not only is he good on his feet in a tough situation, Donald's consistent and outstanding contribution to plant maintenance has helped prolong the useful life of equipment.

YOUNG PROFESSIONALS MAVERICK AWARD

This year, the Texas Section AWWA will continue what will become a long tradition in recognizing one of our Young Professionals as an up and coming leader of the organization. The Maverick Award recognizes an outstanding Young Professional within the Texas Section of AWWA who exemplifies exceptional qualities in the following areas: Volunteerism, Community Involvement,

Leadership, and Outstanding Service in the science of water supply, treatment, operations, and quality. Young Professionals are those individuals who are a member of AWWA under the age of 35 who work or are involved in the water industry.

This award is kept a secret until the moment of the announcement at the Award's Ceremony.

WATER CONSERVATION AND REUSE AWARDS

Each year, the Texas Section AWWA Conservation and Reuse Division recognizes those who have demonstrated excellence in Water Conservation and Reuse Practices.

Large Utility Direct Program:

Dallas Water Utilities 10-Year Leak Detection & Pipeline Repair Program

Dallas Water Utilities (DWU) is a leader in conserving Texas' valuable water resources by reducing pipeline leaks and preventing catastrophic pipeline failures, and they are teaching other utilities across the country how to do the same. DWU has successfully employed innovative technology to locate leaks early before they cause large volumes of water loss or major damage to roads or property.

In 2004, DWU began an annual water loss reduction program focusing on both its small- and large-diameter water mains. Since its inception, DWU has since documented water savings of more than 12 mgd on their distribution mains. Over the past three years, DWU staff has surveyed an average of 3,700 miles of its distribution mains annually, identifying and repairing more than 1,500 leaks.

The leak program, with internal leak repair policies, has reduced leak location times and water loss. DWU has also employed the use of advanced electromagnetic technologies to inspect more than 120 miles of its large diameter transmission mains. This annual program has identified and repaired or replaced more than 200 individual pipe segments which were approaching failure. The program's strategy is to monitor the condition of critical arterial pipelines, preventing catastrophic failures and large scale water-loss events.

DWU continues to participate with various committees and research projects to share its experiences and processes to support the advancement of technologies and programs. In addition, DWU is currently providing guidance and

advice to multiple utilities across the U.S. to help promote water sustainability.

Large Utility Indirect

City of Austin Home Efficiency Assistance Program (HEAP)

Austin Water, Austin Energy and Texas Gas provide low income customers water and energy efficiency evaluations, high efficiency fixtures, plumbing repairs, and other assistance to save water, energy and costs. Eligible customers include those with income below 200% of the federal income poverty level. Priority is based on application date and high energy or water use. FY2013-14 funding is \$2.35 million. Over 400 participants were accepted within the first six months. To date, improvements have been made to 750 homes, resulting in water savings of 15,000 gpd, or 5.5 million gallons annually and total annual customer savings are about \$71,175.

Funding prohibitions on code compliance measures were overcome with exemptions for government assisted housing repair programs. Utility resources were fully leveraged under a MOU and outsourcing repair work. The MOU also ensured effective coordination between the utilities and that data was collected before and after the efficiency measures were installed to measure and verify the effectiveness of the program.

Accomplishments include:

- Reduced costs for low income residents, older facilities, multi-family residential owners, and renters
- Increased compliance with efficiency ordinances
- A one-stop-shop approach to utility efficiency programs

(Continued)

- Leveraged program resources that widens their reach and effectiveness
- Verification of projected energy and water savings from conservation programs

A single convenient point of entry for customers was provided that is a win-win for customers, building owners, and the utilities facilitating access to rebates and capital for comprehensive energy and water related improvements.

Small Utility Direct

City of Round Rock Water Reuse Program

Reuse water use is not a new idea, but implementation on a large scale represents a large undertaking. The City of Round Rock is in the process of converting all reuse water to Type I by the summer of 2014, and expanding its existing Reuse System first to an ultimate build-out capacity of 18 million gallons per day (MGD).

Round Rock first began providing reuse irrigation water to Forest Creek Golf Course in 1999. In 2011, the 500-acre Old Settlers Park and portions of the Dell Diamond baseball facility were added to this system. Approximately 45 million gallons are currently diverted per year, with a peak demand of 600,000 gallons per day for golf course irrigation.

Future plans include connecting common areas of residential subdivision developments to the reuse system. Additionally, the reuse facility will provide irrigation to various properties on the northeast side of Round Rock, including Texas State University Higher Education Center, Texas A&M Medical School campus, Austin Community College campus, Seton Hospital, and the Avery North development.

This project is done in cooperation with the cities of Cedar Park and Austin since the wastewater facility generating the reuse water is a regional facility. This should be a great example to other growing communities of how such a system can come to be, grow and flourish, saving millions of gallons of potable water supplies for others in the region.

Small Utility Indirect

City of Pflugerville Rainwater Harvesting Program

The City of Pflugerville's Water Conservation Rainwater Harvesting Program provides customers the opportunity to purchase rain barrels and another viable option for obtaining water for residential and commercial use.

In 2013, the city's Public Works Department hosted their first Water Harvesting Rain Barrel Sale, which allowed residents to purchase an affordable rain barrel for rainwater harvesting (\$63/each 50 gallon barrel) and pick them up at the Public Works Open House. At the open house event, customers learned about current water restrictions and obtained information on water conservation tips and future projects to help the community continue to conserve water. The department sold 393 rainwater harvesting barrels at the event. Residents were pleased with the quality and affordable price, which allowed them to purchase more than one barrel. There continues to be strong interest in the community for purchasing rain harvesting barrels to help conserve water.

As part of improvements to the city's public library, a rainwater harvesting system was installed so patrons and residents can actually see and learn from the many benefits of harvesting rainwater for the environment and future supply needs.

The potential water savings provided by water conservation programs, such as the Rain Harvesting Program, are practical and significant for future water needs. In order to ensure that water is available into the next century, the city must continue to be innovative and deliberate about smart management of our water resources.

Large Non-utility Indirect

North Fort Bend Water Authority W.I.S.E. Guys Incentive Program

The W.I.S.E. Guys program allows residents to have their irrigation systems evaluated by a licensed irrigator. Homeowners receive a unique online evaluation of their irrigation system and

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educational information on problems found and how they may be solved. The North Fort Bend Water Authority (NFBWA) partners with their participating Municipal Utility Districts (MUDs) by paying for the MUDs administrative fee and paying for half of each resident's evaluation fee.

After seeing the program was not being fully utilized, the NFBWA offered a \$15 incentive to every homeowner that had an evaluation completed. NFBWA then called every MUD that was not participating to find out how they could make the program more attractive.

The hardest part is getting the word out about this program and encouraging residents to sign up. NFBWA provided bill inserts for residents, wrote letters to all the MUDs, and advertised the program in a community newsletter which has been a major factor contributing to the success of this program.

The incentive program lasted from Aug. 1, 2013 to Dec. 31, 2013 and resulted in 452 evaluations - a 200% increase. Previously 725 evaluations were performed from July 19, 2011 to July 31, 2013. Residents are beginning to realize how small changes to their irrigation system can make big changes to their water usage.

Small Non-utility Direct

City of Allen Commercial Irrigation Inspection Program

The North Texas area experienced a severe drought in 2005-2006 that sent all area municipalities and water providers into drought response with restrictions for outdoor water use, as well as other conservation measures due to critical water supply issues. Changes were proposed to Allen's Land Development Code to include more landscape and irrigation plan requirements and a requirement for all commercial properties to have an irrigation inspection.

All commercial irrigation installations are required to have an irrigation inspection and a full audit of the system with one catch-can audit of the largest turf zone for each controller on the property, at installation and once every three years thereafter. The intent of the program is to curb outdoor

irrigation waste. The commercial property account holder is responsible for hiring a Texas Licensed Irrigator who is also a Certified Landscape Irrigation Auditor to perform this inspection at their cost.

Reports from auditors indicated every property inspected had several repairs needed before the auditors could complete their audit. Most of the properties inspected had irrigation systems in total disrepair. Broken heads, broken pipes, misaligned, sunken and improper nozzles were found on 90% of the properties. Commercial property owners complained about the expense of the repairs, but the costs had to be paid as they could not comply with the inspection without the repairs.

After the first year of implementation the City of Allen received favorable comments from certified landscape irrigation auditors on the conservation effort. Managers of commercial accounts said water cost savings more than paid for repairs made. The program continues today with 939 commercial irrigation accounts. Commercial water consumption average at the end of water year 2009 – 2010 was down 19% from the previous year. As of 2013, this program has dropped overall water consumption in the commercial customer class by over 500 million gallons a year.

Small Non-utility Indirect

Central Texas Water Efficiency Network Central Texas Water Conservation Symposium

The Central Texas Water Efficiency Network (CTWEN) was created in April 2011 after a one-day symposium sponsored by several central Texas water purveyors and suppliers. These entities coordinated a one-day water conservation education event in March 2011, called "The Business Case for Water Conservation."

Out of that symposium, the Central Texas Water Efficiency Network was formed, comprised of water conservation specialists and advocates from various water utilities, municipalities, MUDs, environmental and non-profit organizations. Its purpose is to openly and actively share information and promote water efficiency education, legislation, programs,

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technologies, and all other integral components of water conservation in order to regionally have an impact on water supplies and use.

Since that first symposium, CTWEN has held an annual Central Texas Water Conservation Symposium, with pertinent topics on conservation, efficiency, and resource issues. Attendance at each symposium ranges from 140 – 200 attendees. The 2012 Symposium was called “Drop by Dropless: Managing your Resources During a Drought,” which focused on revenue stability, outdoor water use, and fire wise landscaping. The 2013 Symposium was “Success through Innovation: Strategies to Effectively Save Water.” This symposium focused on city ordinances, code changes, and innovative programs for water efficiency.

As CTWEN continues to grow, our goal is to continue to collaborate to educate our own customers, as well as the Central Texas region, to become water stewards and think of the water outside of our own town.

Bob Derrington Reuse Award
City of Boerne Wastewater Treatment and Recycling Center

Due to high wastewater flows and expected continued increase of flows, the City of Boerne

constructed a new Wastewater Treatment and Recycling Center (WWTRC) and initiated the city’s first reuse system. The city identified that design of the WWTRC was a perfect opportunity to initiate a reuse system, and local developers expressed an interest in using the reuse water for irrigation. The WWTRC, completed in 2013, has an initial capacity of 1.4 million gallons per day (mgd) with future phases allowing the plant to treat an ultimate capacity of 5.2 mgd. The reclaimed water system is capable of meeting a maximum peak reclaimed water demand of 1.4 mgd of Type 1 reuse quality per Texas Reclaimed Water Regulations (30 TAC 210).

The city has developed a master plan for the reuse system, which includes providing reuse water for irrigation use in private developments, the City Park soccer fields, Boerne Champion High School, and stream flow supplementation. The reuse plan helps the city identify future reuse supply and demand, conceptual future system expansion, and capital costs. In 2014, an extension of the existing 12-inch reuse line will be designed and constructed to expand the system to serve future customers. As the first customers begin using reuse water, it is anticipated the reuse system will help conserve existing critical water sources and the environment in this rapidly growing Hill Country community.

WATER ENVIRONMENT ASSOCIATION OF TEXAS
&
TEXAS SECTION - AMERICAN WATER WORKS ASSOCIATION

KEN MILLER WATER FOR PEOPLE FOUNDER’S AWARD

The Kenneth J. Miller Founder’s Award was established in 2001 by the Board of Directors of Water For People to honor outstanding volunteer service to this international humanitarian effort. Water For People was conceived as a North American response to the water, sanitation and health needs of millions living in the developing world.

From its beginnings, Water For People was envisioned to be a volunteer effort of the North American water community. The American Water Works Association (AWWA) leaders who organized Water For People believed that water professionals would recognize the urgent necessity to support

such a cause by contributing their financial assistance, organizational skills and professional expertise. As the organization grew and began accomplishing its vision, it became evident that extraordinary volunteer efforts were being made at the local level that should be publicly acknowledged and honored. The Ken Miller Water for People Founder’s Award was established to do this.

This is the tenth year this award is given jointly by the Texas Section AWWA and WEAT. The winner is recognized by Water for People at the AWWA Annual Conference in Boston. This winner is kept secret until announced at the award’s ceremony.

**WATERMARK AWARDS
FOR COMMUNICATION EXCELLENCE
MEMBER AWARDS**

The Watermark Award for communications excellence recognizes Texas Section AWWA and WEAT members who have produced top quality communications. Effective internal and external communication is essential to a member's ability to provide excellent service. Today's water resource professionals must communicate with a variety of audiences to achieve success. Through these awards, Texas Section AWWA and WEAT hope to heighten awareness among all water resource professionals about the importance of effective communication.

Category I: Communications programs: internal campaigns, external campaigns, crisis communications, community relations

Non-utility:

**Trinity River Authority of Texas
Strategic Plan 2013 - 2018**

In 2013, the Trinity River Authority of Texas finalized its first-ever strategic plan. The plan provides a multitude of opportunities and also presented the challenge of informing internal and external audiences. Every employee needs to know about the plan and how the important work that they undertake daily in service to TRA's customers fits into the objectives and strategies outlined in the plan.

Communication pieces were designed in-house to quickly communicate the plans components to internal and external audiences. A PowerPoint presentation precipitates delivery of the information in person, while a Web page allows for 24/7 familiarization with the information. A poster presents the major tenants of the plan at a glance, and a wallet-size pocket buddy allows people an easy way to keep information about the plan handy

and refer to it as needed. The brochure and pocket buddy were printed externally; the poster is printed internally.

Responses to the communication pieces have included comments about the attractiveness of the design and the useful, logical presentation of the information; copies of the information have been requested, and the poster can be seen hanging in individual offices. The plan's rollout and the distribution of the communication pieces are on target to be completed by the designated date.

Large Utility

**El Paso Water Utilities
Dealing With Drought Awareness
Campaign**

Fifty percent of El Paso's water comes from the Rio Grande in a typical year. But ongoing drought conditions depleted upstream reservoirs and water levels fell to historic lows. When El Paso Water Utilities learned that there would be only six weeks of river water in 2013, staff avoided implementing mandatory water restrictions by creating a drought awareness campaign.

They combined aggressive media relations, social media, and website information to provide the public with drought updates and conservation tips. The campaign began in February 2013 and escalated

(Continued)

in May when the temperatures began to rise. River water was released from the reservoir on June 1 and arrived in El Paso on June 6.

The campaign was successful. With the river water allotment reduced to one-sixth of a full supply, El Paso Water Utilities met customer demand without implementing water restrictions or affecting residents' quality of life. Overall water use remained comparatively low compared to previous years.

Honorable Mention

El Paso Water Utilities

H2O Together: Working Together = Water Forever Communication Program

EPWU understands that despite the drought, sustainable water is totally doable. The utility also wants customers to understand they are a part of their sustainability efforts and to be proud of what they have accomplished together.

With the help of an agency, EPWU created an education campaign called H2O Together: Working Together = Water Forever. The campaign included paid advertising, social media outreach, and community relations.

All the elements directed people to visit the H2O Together website to learn more.

Category II. Periodicals: magazines or newsletters.

Non-utility:

Tarrant Regional Water District 2013 Fall Upstream Downstream Newsletter

The Upstream/Downstream Newsletter is a quarterly publication produced in-house by the community and government relations staff. It highlights district news, activities and events. This newsletter is sent to more than 2,000 recipients, including the district's customer cities, local and state politicians and the general public.

Honorable Mention

Guadalupe-Blanco River Authority River Run Summer 2013

River Run magazine is produced four times a year in an effort to keep individuals in GBRA's statutory district informed of events happening at the state and local level concerning water and conservation issues. It is also a vehicle to let people know what is happening inside GBRA.

Each issue of River Run includes articles featuring current water issues, community service activities, conservation news, operations and employee activities and training.

Category III. Publications: annual reports, annual water quality reports, brochures, direct mail materials and other multi-page publications.

Small Utility

City of Mansfield Water Utility Department Consumer Confidence Report

In 2013, Mansfield decided to turn the annual consumer confidence report requirement into an opportunity to communicate with their customers in a way that would capture their attention. The result was the *2012 City of Mansfield Drinking Water Quality Report and 2013-2014 Calendar*.

Staff sought to create a practical household tool – a calendar – which could be used to deliver the division's message creatively. The calendar combines reality television with useful water-related information. It attempts to put a face on the services offered by the city. The real 'reality' is that a utility division is more than just taps and toilets. The key to any public utility's success is in communicating the value that it brings to the community. The functional nature and creative design of the

(Continued)

CCR are intended to increase its longevity in the customer's home. The longer it remains with the customer, the greater the chance that they will receive the intended message. Staff believes that the end product speaks for itself and, based on feedback from its customers, it appears that it is speaking to them as well.

Non-Utility:

**Trinity River Authority of Texas
Denton Creek Regional Wastewater
System Odor Control Brochure**

This informative and colorful brochure can be distributed electronically or as a printed piece. It provides facts concerning the treatment of wastewater and the steps that the Denton Creek Regional Wastewater System has taken to remediate odors. It answers common questions asked by the local community, such as:

- What is wastewater?
- Why does it smell?
- Do the odors cause health issues?
- and, What can I do to help?

It has helped to educate and to inform the public about the progressive approach this award-winning facility has taken related to ensuring it is a good neighbor now and well into the future.

Additionally, partnering with the local community has minimized negative publicity, allowing the focus to remain on the excellent job that the staff does of treating wastewater and returning a clean effluent to the receiving stream for beneficial reuse.

Large Utility:

**City of Fort Worth Water Department
Annual Water Quality Report**

Fort Worth Water uses the Water Quality Report to meet the annual Consumer Confidence Report requirement and to inform and educate citizens on a variety of topics besides water quality, such as water conservation, current projects and special initiatives. In addition, the utility uses the report to create positive feelings and cultivate an image of

professionalism and superior quality.

This report focused on the city's newest water treatment plant – its first to implement membrane treatment technology. The 12-million-gallons-a-day Westside Water Treatment Plant also was the first in the Fort Worth system to use the liquid rather than gaseous forms of chlorine and ammonia.

Fort Worth took advantage of EPA's guidance allowing electronic distribution as long as certain provisions were met. This cut printing quantity by two-thirds and reduced the project's costs by 68 percent. It did still mail copies to apartment dwellers and put copies in libraries and community centers. Customers were informed of the report's availability with a bill insert telling them where to call or email to request a hard copy. Only 12 such requests were received.

**Category IV. Online
communications: websites,
Facebook, Twitter, online
newsletters, etc.**

Large Utility:

**El Paso Water Utilities
H2O Together Social Media
Education Outreach**

EPWU launched an educational campaign – H2O Together: Working Together = Water Forever – to promote residents understanding of their role in water conservation. As part of communication strategy, EPWU launched an educational campaign using Facebook to inform our customer base of what is being done together to create a sustainable water future.

Over a six-week period, EPWU shared information pertaining to the six different water resources, driving users back to the H2O Together website to learn more. Using infographics, videos, and other tools to grab their interest, EPWU had trivia contests and giveaways to encourage engagement. During the duration of the campaign, the number

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of web page views reached almost 200,000 – an increase of 148%. EPWU also engaged with over 2,000 Facebook users. Not only did the social media campaign educate Facebook followers, it also gave them a sense of ownership and pride in the work they have done together to create a sustainable water future.

Non-Utility:

Tarrant Regional Water District Lawn Whisperer Facebook Page

TRWD launched the multi-media Lawn Whisperer campaign in 2011. In 2013, with audience numbers increasing, TRWD decided to make use of available data and use the Lawn Whisperer Facebook page to offer North Texas residents weekly watering advice every Monday. The advice takes into account the previous week's climate conditions and rainfall data, recorded at several weather stations and rain gauges across the region.

Many weeks of the year landscapes receive all the water they need from Mother Nature. But with people setting their timers to water whether they need to or not, billions of gallons of water are wasted annually. TRWD is ready to change that. Last year's observations revealed North Texans did not have to water their lawns 33 weeks out of the year. They only needed to water once-per-week 13 weeks, and twice-per-week the remaining six weeks.

It appears that people are tuning in. In 2013, the Lawn Whisperer's audience grew by 48 percent, from 2,080 fans to 3,080 fans. His Monday posts are the most viewed, reaching an audience of 500 to 3,500 people. In August, the average number of people viewing the weekly watering advice was 1,950; the average number of likes was 16; and the advice was shared anywhere from 3 to 18 times depending on the week.

Honorable Mention

Dallas Water Utility @www.ceasethegrease.com#

Dallas Water Utilities started the Cease the Grease

program in 2005 in response to an increase in grease related sanitary sewer overflows in the collection system. Dallas Water Utilities has carried the program forward into the largest grease abatement program in the state.

Cease the Grease has utilized traditional advertising and social media to reach out to the 2.2 million Dallas Water Utilities' ratepayers. Dallas residents have been introduced to the Grease Monster, Earl the Plumber and Able Gonzales through a strong online presence that includes a new website, Facebook, Twitter, Instagram and a YouTube channel. The Cease the Grease program has been emulated in 25 other municipalities or utilities from Arlington, Texas to Casper, Wyoming.

The program's success is reflected in a 95% reduction in grease related SSOs, and it recycles over 5,000 gallons of used cooking oil a year. In 2012, the program won the Texas Environmental Excellence Award for Pollution Prevention and the program's coordinator speaks at conferences across the United States.

Category V. School Curriculum

Large Utility:

Dallas Water Utilities Fighting the Grease Monster One Classroom at a Time

Dallas Water Utilities started the Cease the Grease program in 2005 in response to an increase in grease related sanitary sewer overflows in the collection system. DWU has carried the program forward into the largest grease abatement program in the state and has extended the rights to use the materials and logo to at least 25 cities/utilities in Texas and across the country .

This program educates Dallas Water Utilities' future rate payers by teaching them proper fats, oils and grease disposal and recycling habits. Lesson plans, videos and a strong online presence that includes a new website, Facebook, Twitter, Instagram and a YouTube channel all combine to effectively reach the youth of today. Even during the summer, the

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program continues reminding students how to cease the grease by visiting summer camps. Realizing that presenting a lesson then leaving a classroom may not result in the lasting behavior change needed, DWU holds cooking oil collection events at several schools.

The program's success is reflected in a 95% reduction in grease related SSOs, and it recycled over 5000 gallons of used cooking oil last year. In 2012, the program won the Texas Environmental Excellence Award for Pollution Prevention.

Category IV. Writing releases, features, scripts, speeches, public service announcements, etc.

Non-Utility:

**Tarrant Regional Water District
Ten on Tuesday PSA**

TRWD was tasked with creating an anti-litter watershed protection campaign. The purpose was to educate residents about how trash ends up in the lakes. In its second year, the focus changed to engaging citizens to take action. The "Ten on Tuesday" movement challenged residents to take an online pledge to stop littering and pick up 10 pieces of trash each Tuesday to protect North Texas' water. The PSA began airing in October. Prior to this there were but 78 pledges made online. By the end of December, the count was just over 500.

Category VII. Audio and visual: videos, DVDs, slide shows, Power Point presentations, etc.

Small Utility:

**City of Round Rock
Water-Wise Videos**

Building on the success of last year's Water-Wise videos and the positive reception received from viewers and internal staff, the Round Rock's water conservation program and communications staff filmed three more short, educational, videos.

The subject matter of the videos includes the benefits of mulch, how to measure how much water a sprinkler is emitting, and what a rain sensor is and how it works. Ideally, a customer watches the videos, learns something, applies that knowledge to their own lives and shares the information with their family or neighbors.

The videos are in regular programming rotation on the city's cable channel, on the city YouTube channel, and have been on the website, Facebook page, Twitter feed, and mentioned in newsletters.

Large Utility:

**El Paso Water Utilities
Stormwater Project to Bring Flood
Protection and Financial Relief to
Homeowners**

In August of 2006, El Paso was hit with 15 inches of rain in one week, twice the usual annual amount. The result was city-wide flooding due to serious deficiencies in the stormwater system.

The El Paso City Council created the Stormwater Utility and placed management and control with El Paso Water Utilities. EPWU began charging a monthly stormwater fee to provide a dedicated funding source for much needed drainage improvements. A Stormwater Master Plan was created, and one project identified in the plan was the Northeast Channel #2 project.

The project, completed in 2013, increases flood protection and brings financial relief to homeowners. Several hundred Northeast El Paso homes are expected to be out of the floodplain once flood map revisions are approved by the Federal Emergency Management Agency. At that point, these residents will no longer need to purchase flood insurance.

Unfortunately, as preliminary information about the project circulated, some residents rushed to cancel their flood insurance prematurely. This video informs homeowners about the benefits of the project, and urges them to wait patiently for further updates from EPWU before cancelling their flood insurance.

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Non-Utility:

Pump Solutions, Inc.
Pump's Down

The video is humorous, yet relevant. Written and performed by staff of Pump Solutions Inc., the song is about the world of municipal wastewater pumps.

While it is meant to be fun and entertaining, it is also meant to provide an accurate illustration of the problems operators, contractors and engineers face very day.

The company hopes the video helps communicate the importance of selecting the right pump and the right impeller for every application.

Honorable Mention:

Austin Water Utility
Willie Nelson Drought TV Ad

As the drought in Central Texas deepened in the summer of 2013, Austin Water's Public Information Office decided an overall message was needed to make Austinites aware of the severity of the drought.

Even though citizens had responded to the Stage 2 water restriction advertising, more was needed to encourage greater conservation.

The goal was to create an over arching message to build an "esprit de corps" throughout the city. Also, Austin Water wanted to provide stark visuals of the levels in our supply lakes. From previous surveys, the utility knew many citizens never traveled to Lake Travis or Lake Buchanan.

The Austin Water PIO, through the city's music office, approached Willie Nelson to record a TV commercial. Willie's status as an iconic music figure and representative of Austin would be an additional motivator to conserve. Austin Water staff wrote the copy and the city's Channel 6 staff produced the ad.

Honorable Mention:

Tarrant Regional Water District
Water Supply Update Drought
Update (September 2013)

The purpose of TRWD's video reports is to share news about water supplies and provide viewers with tips on how to use water resources more efficiently. The videos are done completely in-house and posted on the SaveTarrantWater Facebook page and TRWD's you Tube Channel.

Category VIII. Miscellaneous:
photography, logos, one-
time advertisements, posters,
illustrations, invitations.

Non-Utility:

Trinity River Authority of Texas
Industrial Photography

Telling its story by illustrating its services and processes using photos adds an immediate descriptive and informative component to communications. TRA reports, PowerPoint presentations, print communications and the organization's website all benefit from graphics.

The submitted photographs were taken as part of an ongoing effort to build and maintain a collection of high-quality stock photos of the Trinity River Authority's Northern Region facilities. The photos elevate water and wastewater treatment equipment and processes by presenting them in an attractive, eye-catching format. The quality of the images expands their use further for applications such as enlargements and re-colored photographs. They maintain their clarity in these uses, and their addition to the database serves as a useful resource for TRA's internal and external communication needs.

TRA has received requests from other agencies to use its photos, which multiplies and expands the

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display and presentation of some of the equipment and processes used to protect one of our most precious natural resources – water.

Large Utility:

**City of Fort Worth Water Department
Displays for Public Meeting on
Privatization Exploration Process**

On March 5, 2013, the Fort Worth City Council appointed an elite Task Force and hired a consultant to work with the Task Force in determining the feasibility and desirability of pursuing public/private partnerships as well as assessing the legal and fiscal implications. The Task Force would make its recommendations to the City Council by the end of the year.

While information regarding the Task Force’s meetings was posted on the utility’s website and the meetings were open to the public, the city’s initial

plan had no provision for public input into the process. In June, Assistant City Manager Fernando Costa was invited to the League of Neighborhoods meeting to talk about the Task Force process. League members asked that the public have an opportunity to be heard by the Task Force before it finalized its recommendation.

In consultation with the Task Force chair, the decision was made to add an evening meeting on Sept. 25 at City Hall. The event would consist of both an “open house” format with displays to share information from the Task Force process and a formal time to take comments. These displays would be staffed by staff and consultants, with Task Force members on-hand as well.

The displays were designed in-house by the Water Department’s Communication staff. The city’s reprographics group printed, laminated and mounted the materials.

TEXAS SECTION - AMERICAN WATER WORKS ASSOCIATION
&
WATER ENVIRONMENT ASSOCIATION OF TEXAS

**WATERMARK AWARDS
FOR COMMUNICATION EXCELLENCE**

MEDIA AWARDS

The Watermark Award for Media Excellence recognizes Texas media who have raised the public’s level of understanding of water issues in Texas. TAWWA and WEAT understand the important role Texas media have in advancing community understanding and support for water resources by interpreting issues affecting water in our state.

Category: Print Media

**John Rigg
Community Impact Newspapers
Sugar Land - Missouri City Edition**

John Rigg is editor of the Sugar Land - Missouri City edition of Community Impact Newspapers. He wrote a story titled, *Cities make plans to limit groundwater use*. The article explains why subsidence occurs and what cities are doing to reduce groundwater use, as required by the Fort Bend Subsidence District. The article discusses the water treatment process for surface water and the rate impacts of the move to surface water.

OUTSTANDING OPERATOR OF THE YEAR

...presented to an operator and member of WEAT who has provided dedication, years of faithful service, and professionalism at their facility.

Rey Davila

Rey D. Davila works for Dallas Water Utilities as a Wastewater Plant Supervisor at Southside Wastewater Treatment Plant. He was born in Nuevo Laredo Mexico, and received his Electrical Technician Degree in 1981.

In 1982, Rey moved to Dallas, Texas and started working for TXI Industries as an electrical maintenance technician, and in 1986 began working for the City of Dallas in the Traffic Department. Rey moved to the DWU Central Wastewater Treatment Plant in 1988 to start working as an apprentice operator, promoted to operator in 1989, and in 2003 was promoted to a Plant Supervisor at the Southside Wastewater Treatment Plant where he is heavily involved in the operation as well as the design and construction of new facilities at SSWWTP.

Rey obtained his "B" Wastewater License from TCEQ in 1995, and obtained his Class "A" Wastewater license in 2001. In 2004, he became a TCEQ instructor, and since then has been offering one-to-one and group learning sessions to help

the operators obtain their TCEQ certificates. In 2006, Rey was certified by Dallas Fire Department as a hazmat technician, and in 2007, he became the captain of the hazmat team at SSWWTP.

In 2005, Rey joined the Operations Challenge team formed by Dallas Water Utilities as team captain. As captain, he has taken his team to nine national competitions, including first place finishes. In 2012, he received the prestigious David Barber Competitive Spirit award given to the Operations Challenge participant with the best spirit and drive. This distinction represents one of the highest honors a competitor can receive and is voted on by fellow competitors. In 2012, he was selected by the Water Environment Federation to travel to Argentina to represent the USA Operations Challenge team. In 2013, he was selected by WEAT to be part of the "Texas Dream Team" in New Jersey with representatives from multiple municipalities competing together as a single team. The Texas team won the first place overall trophy.

DENNIS R. LASKOWSKI RECRUITMENT AWARD

...recognizing a member of WEAT for his/her outstanding recruitment effort.

Dennis Laskowski, P.E.

Mr. Dennis Laskowski is a registered Professional Engineer in the State of Texas, holds a Class B Water Distribution System Operator License, and is a certified NASSCO PACP operator. He received a Bachelor of Science degree in Civil Engineering from the University of Texas at San Antonio (UTSA) where he graduated Cum Laude. He recently earned an Associates of Applied Science degree in Surveying Engineering Technology from San Antonio College.

While attending and upon completion of college at UTSA, Dennis worked for the Texas Department of Transportation, San Antonio Public Works Department, and the San Antonio Water System (SAWS) where he is currently a Project Engineer. While employed with SAWS for the past 15 years, his duties have included the development and/or implementation of annual construction contracts for pipe bursting, cured-in-place pipe, asphalt, concrete, excavation/backfill, wastewater line

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cleaning and inspection, and smoke testing laterals, all a first for SAWS. Other responsibilities have included the design of wastewater emergency projects for collapsed pipe, scheduling and coordinating work survey department work, design and review of water and wastewater main projects, and the project manager of contracts to name a few.

Dennis has been actively involved in his local WEAT section since 1999, when he and his former boss founded the San Antonio section and was voted secretary. Mr. Laskowski played an instrumental role in defining the section by starting a newsletter, gaining sponsorships, opening up a bank account, scheduling meetings, recruiting members, implementing the Constitution and Bylaws, instigating the section's 1st bowling social, and creating the section's website. Mr. Laskowski continues to help his local WEAT section in numerous ways, including volunteering for events,

organizing and participating in annual science fair activities on behalf of WEAT and AWWA, holding officer positions in the section, including president and currently section representative, and initiating a student membership award and scholarship with the University of Texas at San Antonio and the local section. Dennis says his participation has been a rewarding experience and encourages everyone to volunteer in their local section.

Dennis previously won WEAT's prestigious Emerging Leader Award in 2003 and the President's Service Award in 2008. In addition, he has won WEAT's Recruitment Award nine times! WEAT wishes to recognize, thank, and congratulate Dennis for his continued service.

WATER ENVIRONMENT ASSOCIATION OF TEXAS

SELECT SOCIETY OF SANITARY SLUDGE SHOVELERS

The Select Society of Sanitary Sludge Shovelers was founded by the Arizona Member Association in 1940, it originated to encourage members to get involved. You cannot join the Society – you must be “selected” on the basis of merit. Within WEAT, induction into the prestigious society is based on “Outstanding, meritorious service above and beyond the call of duty” by recruiting at least five new members. Shovels may also be awarded

for exceptional service as established by the WEAT Board.

Leigh Cerda
Mark Perkins
Garry Macdonald
Meera Victor

WATER ENVIRONMENT ASSOCIATION OF TEXAS

EMERGING LEADER AWARD

...presented to a young member of WEAT who has provided outstanding service in support of the Association in the form of committee involvement, recruiting, volunteer time, event participation, or other contributions.

Jason Crawley

Mr. Crawley is a registered professional engineer in the State of Texas. Mr. Crawley graduated from Texas Tech University in 2006 with a B.S. in Civil

Engineering and in 2007 with an M.S. in Civil Engineering with an emphasis in environmental engineering. He has six years experience in civil and

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environmental engineering with Freese and Nichols Inc. He is a project manager and project engineer with a technical focus in municipal wastewater treatment facilities. His experience includes project management and lead design roles on wastewater pump stations, secondary treatment, peak flow management systems, and treatment evaluations with associated design services and several years of construction management.

A WEF/WEAT member since 2006, Jason has held several leadership positions within WEAT, including Young Professionals Committee Chair, Young Professionals Committee Vice-Chair, Student Design Competition Chair and Student Design Competition Vice-Chair. Selected accomplishments under Jason's WEAT leadership include:

- The YP Chair became a voting member of the WEAT Board.
- Initiated bi-monthly statewide YP Committee conference calls to share ideas and success stories.
- Development of several successful YP programs at the Texas Water Conference, including the Student Design Competition, the YP Technical Session, and the YP Reception.
- The Student Design Competition has soared to new heights and recognition, including multiple Texas finishes at the WEF competition.
- Incorporation of multiple University Chapters of WEAT across the State of Texas.

- The start of the Dodson's Drive as a small grassroots effort, which has surged to be a major part of Texas Water and an incredible memorial for Ken Dodson and YP fundraiser.
- Development of new activities including facility tours, surging the YP group to record numbers.

Mr. Crawley serves as an advocate for the WEAT and WEF Operations Challenge. Since 2008, he has served as a judge for the WEAT Operations Challenge Safety Event. In 2012, he began serving in the same role at the national level Operations Challenge Event. Mr. Crawley currently serves as the WEF Young Professionals Liaison to the Operations Challenge Committee.

In 2012, Mr. Crawley began volunteering to serve as a "real world" advisor to students participating in the environmental engineering program capstone design class at Texas Tech University. The role involves review of student reports and guidance from the perspective of a practicing professional.

In 2013, Mr. Crawley developed and began implementing a program to spend half a day of personal time each month "shadowing" operations and maintenance staff at the TRA Central Regional Wastewater System Treatment Plant in various roles. The program allows for Mr. Crawley to gain a more comprehensive understanding of the industry and ultimately the needs of the end users.

WATER ENVIRONMENT ASSOCIATION OF TEXAS

MUNICIPAL WASTEWATER TREATMENT PLANT OF THE YEAR Category 1 (<1 MGD)

...presented to a municipal wastewater treatment plant in Texas that has consistently exhibited outstanding performance of daily activities beyond the normal call of duty.

City of La Vernia WWTP

The San Antonio River Authority began operating the City of La Vernia Wastewater Treatment Plant in

April of 2002. The permit limits for the plant are a 20 mg/l BOD, 20 mg/l TSS (Total Suspended Solids),

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a 2-hour peak flow of 694 GPM, and a monthly E. coli grab sample. The La Vernia WWTP has had no permit violations during the past eight year period.

The La Vernia WWTP operates on the complete mix process with a current permitted capacity flow of 0.250 MGD, capable of expansion to an ultimate capacity flow of 0.500 MGD. Even with the recent development in the area, no immediate plans have been made to expand the plant to 0.500 MGD. The WWTP has 429 connections and about 15 miles of collection system lines.

The process begins when raw wastewater pumped from an on-site lift station passes through the preliminary treatment system that consists of a manually cleaned bar screen. At this point, the screened raw wastewater flows into an oxidation ditch where it comes in contact with a dense population of microorganisms (mixed liquor). The mixed liquor is continuously mixed and aerated by two (2) surface brush rotor aerators. A continuous and ample supply of air is required to mix and aerate the mixed liquor to provide the oxygen required by the bacteria.

Mixed liquor from the oxidation ditch flows by gravity to one (1) clarifier where the sludge settles from the water. The clear effluent flows over a weir, is disinfected through a chlorine contact tank, and is metered through a v-notch weir, and then discharged to Cibolo Creek. Settled sludge is continuously swept from the bottom of the clarifier into a sump where it is pumped back to the start of the treatment process. Scum and floating materials are removed with skimming blades attached to the clarifier skimming mechanism, and then pumped back into the oxidation ditch and therefore back through the treatment process.

Excess waste activated sludge is pumped to an aerobic digester and then to either sludge sand drying beds or is mixed with polymer and gravity dewatered through a sludge dewatering box.

Dewatered sludge is transported away for disposal at the landfill.

When the final phase is needed in the future, a second clarifier and a second oxidation ditch will be added and the digester will be used as a sludge holding tank. A third back up lift station pump will also be added.

Brad Olinick is the Chief Operator and supervises the plant operation. He holds a Class B Wastewater License, and a Class C Groundwater License. Plant maintenance and collections system assistance help comes from Todd Gregett who holds a Class C Wastewater license and Raymond R Loera Jr. who holds a Collections III license, and a Class B Wastewater License. The Utilities Collections Dept. provided Community Assistance to the City by cleaning offsite city operated lift stations with the use of Vector trucks. The SARA Utilities Maintenance Dept. also provided technical assistance to the city when pump and motor electrical and mechanical problems occurred at an offsite lift station operated by the city employees. All the operators are on call 24 hours a day, and make weekend checks on a rotating basis.

Safety is the #1 priority at SARA; any accident is investigated by the supervisor and the safety committee. The employees meet monthly with other SARA departments for safety meetings, and are encouraged to notify their safety team leader with any safety concerns or ideas. During the last year, SARA has hired a full-time safety specialist to help train employees in new policies in HazMat and CPR or anything related to safety. The operators at La Vernia WWTP also operate two SARA groundwater facilities spread out over Wilson County. They usually work alone, so they must always be safety conscience. Since SARA has taken over operations of the City of La Vernia WWTP workers have zero lost time accidents in the twelve years SARA has been there.

www.waterforjobs.org

MUNICIPAL WASTEWATER TREATMENT PLANT OF THE YEAR Category 2 (1-15 MGD)

...presented to a municipal wastewater treatment plant in Texas that has consistently exhibited outstanding performance of daily activities beyond the normal call of duty.

Upper Martinez Wastewater Treatment Plant

The Upper Martinez Wastewater Treatment Plant is owned, operated and maintained by the San Antonio River Authority. (SARA). Upper Martinez is a regional plant with a service area of Northeast Bexar County. The majority of wastewater comes from residential homes, and retail commercial businesses.

Upper Martinez has effluent limitations of 10 mg/l CBOD, 15 mg/l Total Suspended Solids, 3 mg/l Ammonia Nitrogen, and 4604 GPM two-hour peak flow. Upper Martinez has had three violations during the previous ten years. The three violations were *E.Coli* daily maximum grab sample in (1/12, 2/12 and 7/12). In January 2009, the Upper Martinez WWTP began supplying Woodlake Golf Course with up to three hundred ac/ft (97.8 MG) of reclaimed water per year for irrigation. This enabled Woodlake Golf Course to shut down their groundwater well, which pumped water from the Edwards Aquifer. Type I reclaimed water is supplied with permit requirements of 30 day averages of 5 mg/l CBOD, Turbidity 3 NTU and Fecal Coliform 20 CFU/100 ml, and no violations in 2012 and 2013.

The Upper Martinez WWTP is an activated sludge plant with a permitted flow of 2.21 MGD. The mode of operation is extended aeration. The sewage enters the plant headworks through the 54-inch raw screw pump rated at 4690 GPM. The headworks also include a 54-inch RAS (Return Activated Sludge) screw pump rated at 4690 GPM that can also serve as a backup raw pump. The raw then flows through a two foot wide mechanical step screen, which puts screening in a plastic bag inside a dumpster for disposal. The raw then flows through a grit chamber rated at 4.42 MGD.

The raw then mixes with the RAS and flows into two aeration basins. One is a carousel unit (basin volume 1,300,000 gallons) with two aerators. The other is an oxidation ditch (basin volume 1,000,000 gallons) with two fixed rotors and two floating rotors.

The mixed liquor then flows into two final clarifiers. One is 66 feet in diameter with a 10 foot sidewall depth (250,000 gallons). The other is 80 feet in diameter with a 12 foot sidewall depth (350,000 gallons). The settled sludge is returned to the headworks.

The effluent then flows through a post aeration chamber into the ultraviolet disinfection system (rated at 7.5 MGD) before being discharged. The Upper Martinez also has a reclaimed water permit to supply up to 300 acre feet per year. The reclaimed water is pumped to an offsite ground storage tank (60,000 gallons) located at Woodlake Country Club. The water level is controlled by the SCADA system.

The Waste Activated Sludge from Upper Martinez WWTP is pumped through a raw interceptor line to the Martinez II WWTP and is dewatered at the Martinez II Sludge Facility, and then disposed at the landfill. Upper Martinez also has a two-meter belt press and a lime stabilization unit that is used periodically. Lime sludge is then spread at the Martinez II Land Application Site.

The Upper Martinez WWTP is operated and maintained by Julio Ramos, Chief Operator, and Frank Rodriguez, who both hold Class B Wastewater Licenses, and Kevin Luensmann with a Class C Wastewater License.

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During the last three years to help keep the security risks low the Upper Martinez WWTP, has installed a badge activated security gate and PTZ cameras that patrol the plant perimeters 24 hours a day. The final phase of the SCADA system was completed and is in full operation. A new raw sewage diversion installation is now complete. It is run with the SCADA system to divert raw sewage flow to the Martinez II WWTP in the event of high flows resulting from heavy rains to ensure water quality standards are not compromised at any time.

Safety is always the first priority at SARA. The Utilities Department holds monthly safety meeting which include a wide range of topics. After the meeting the floor is opened for anyone to discuss any safety issues or concerns. The new SARA Safety Manual is finished with publication and is available to all employees. All Utilities Department members are trained and certified in CPR and first aid. Plant employees recorded no lost time accidents over the five years. In April 2011 several SARA Utilities employees attended a Confined Space Entry Class given by TEEEX, at the Martinez II WWTP. The class included hands on training using SCBA's in the mobile training facility. The Upper Martinez WWTP has an Industrial Waste Inspector, responsible for inspecting any Significant

Industrial Users, collecting waste stream samples and checking records, to help protect WWTP workers from any harmful exposure to dangerous chemicals, and to protect the biological treatment process at the WWTP.

The plant uses computerized programs set up in the company intranet system to route work orders, maintenance schedules, and vehicle maintenance more efficiently to keep operations running smoothly. The Monthly DMR's are reported electronically on TCEQ's NetDMR system. The Upper Martinez WWTP has reports stored at the plant that go back as far as 1988.

The operators who work at the Upper Martinez WWTP are always eager to gain job knowledge. Every Friday morning they meet with the Assistant Operations Superintendent for training sessions ranging from wastewater sampling, testing, analysis, instrumentation, microscopic evaluations and techniques that include wastewater safety and requirements of the TCEQ's system for wastewater discharge permits and self-reporting. One of SARA's most important goals is training and education of its operators. It is the key ingredient to insuring water quality standards now and in the future.

WATER ENVIRONMENT ASSOCIATION OF TEXAS

EXEMPLARY EMPLOYER AWARD

...recognizing a Texas employer that supports and facilitates employee involvement and activities within the Water Environment Association of Texas and the Water Environment Federation.

CP&Y Inc.

Established in 1980 and founded by WEAT Lifetime Achievement Recipient, Walter Chiang, CP&Y Inc. is an innovative and progressive full-service engineering consulting firm that receives industry recognition by providing cost-effective solutions without sacrificing quality.

As a Texas based firm, CP&Y is headquartered in

Dallas with supporting offices in Austin, Corpus Christi, Fort Worth, Houston, McKinney, Round Rock and San Antonio. CP&Y offers services in the water and wastewater, environmental, transportation, and specialty engineering and construction management services to local, national, and international municipalities and industries.

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As an employee-owned company, CP&Y continues to foster a business-minded team dedicated to working together to grow both their careers and their firm. CP&Y has won Texas and National ACEC awards and continues to work on a number of important water and wastewater projects in numerous regions throughout the state. Additionally, CP&Y is consistently ranked among the ENR Top Engineering Firms and has been among the CE News Top Firms to work for.

CP&Y is highly invested in the professional development and education of its employees and recognizes the significant return on investment gained by maintaining a workforce trained in best management practices and knowledgeable of new technologies and methodologies. Although CP&Y has grown into a successful multidisciplinary firm, CP&Y is proud of its water and wastewater foundation and encourages its employees to actively participate in WEAT and WEF activities. This includes reimbursing its employees for membership, attendance at local meetings, and conferences.

Among their various industry recognitions, CP&Y's employees have been acknowledged for their contributions within WEAT / WEF and have been recipients of awards including:

- Walter Chiang – Lifetime Achievement Award, WEAT, 2012
- Paul Roach – Outstanding Service Award, WEF, 2007; Public Education Award (with WEAT), WEF, 1997; Arthur Sidney Bedell Award, WEF, 1994; Select Society of Sanitary Sludge Shovelers
- Gopal Guthikonda – Sidney L. Allison Award, WEAT, 2007
- Josh Marazzini – Emerging Leader Award, 2013

CP&Y fully understands that involvement in activities for WEAT and WEF may occur during work hours and encourages its employees to participate in such events. CP&Y employees serve as Officers, Committee Members at both the local and state level, and attend sponsored events for the North Texas, Houston, Austin and San Antonio Chapters.

CP&Y is a Diamond Level Sponsor for the annual Texas Water Conference. Every year, CP&Y sends numerous attendees that participate at various levels. CP&Y employees have presented papers, served as volunteers, judged the Operations Challenge event, participated in local site tours, and served on the planning committees.

In North Texas, CP&Y employees attend and volunteer their time at numerous WEAT events including: the Clay Shooting Event, BBQ Cookoff Event, and the Daryl Hall Scholarship Golf Tournament. They have also presented at and sent employees to the annual North Texas Seminar and monthly evening meetings.

In South Texas, CP&Y employees attend and volunteer their time at numerous WEAT events including: the Scholarship Dinner, Quarterly Basura Bash River Cleanup, Bowling fundraiser, Clay Shooting Event and the WFP Golf Tournament. Their employees have also participated in the planning, presenting and attendance at the Summer Seminar, Young Professionals' Seminar and monthly meetings.

www.weat.org

SIDNEY L. ALLISON AWARD

...to a person or organization that has made significant contributions to the engineering, science, and/or operation and maintenance of wastewater collection and pumping stations with the mission to transport wastewater to a treatment plant.

City of Denton Wastewater Collection System Asset Management Program

The City of Denton Wastewater Collection Division has been proactive and visionary in enhancing the operation and maintenance of their wastewater sewers and lift stations. The hard work and dedication of the professionals at the Denton Wastewater Collection Division has improved both the environment in and around the City of Denton, as well as improving the general standing of the wastewater industry in Texas.

The Denton wastewater collection system dates back to the 1910's. The wastewater collection system currently consists of over 500 miles of wastewater lines, 27 lift stations, and 2 treatment plants. Including the private lateral lines from the customer premises to the wastewater main, the total system length is about 750 miles. The current replacement value of the collection system would amount to about \$500 million. To proactively manage this important investment in infrastructure, the City of Denton wastewater department has built a collection system asset management program step by step over time.

In the early 1990's, the ESRI GIS program was implemented to create an inventory of the collection system assets and create a geographical representation of the sewer lines and pipe sizes, lift stations, force mains etc. A computerized maintenance management system (CMMS) was implemented in the late 1990's to bring Denton's collection system work order system into the digital age. In fall of 2012, the wastewater crews were issued laptops to begin input of work order information from the field, as well as have the most current wastewater system information available

in the field using wireless connectivity. To further streamline the work order system, in 2013 the wastewater department developed an embedded program in the CMMS to automate the recognition of completion of a work order based on input data fields in a work order, and then proceed to close out the particular work order based on the input data if pre-defined rules are met.

In 1998, the wastewater department purchased the HydroWorks model, later upgraded to the InfoWorks computer model, for the collection system master planning and capacity assurance. The InfoWorks model is run in-house. The model's results drive the 5-year capital improvement programs for capacity assurance and the 10-year impact fee CIP. The model is also used to determine the impact of large proposed developments on the collection system. Since 2001, the completion of the improvements identified using the InfoWorks model has reduced wet weather overflow volumes by 99.5 percent.

With great success in reducing wet weather overflows, the wastewater department then needed to tackle the dry weather overflow incidents. Denton staff scoured literature in EPA, WEF, WERF, and ASCE publications to identify the latest advances in tackling dry weather overflows. Staff also reviewed the recent advances in computer models related to prioritizing the wastewater collection system to identify candidate wastewater lines needing rehabilitation. Based on the findings from that research, the Denton Wastewater Collection Division Denton embarked on a new series of enhancements to the asset management program.

(Continued)

The knowledge contained in the CMMS database created the opportunity to implement the Water Environment Research Foundation (WERF) collection system prioritization system computer model SCRAPS (Sewer Cataloguing Retrieval And Prioritization System) in 2009. The SCRAPS model houses an “expert system” and given the user’s input of over 80 existing pipeline data values, the expert system uses the knowledge data base with its set of rules, to compute the probability that a pipeline may fail structurally, operationally, or hydraulically using Bayesian probability theory. Using Probability and Consequence of Failure analysis, the SCRAPS model then provides a numerical ranking from 0 to 100 for each pipe segment, highest being worst. Using this ranking, Denton has focused using available dollars on wastewater segments most in need of attention, created a 1-year, 5-year, and 10-year wastewater line cleaning program, and initiated a program of CCTV inspection of high priority lines.

In the journey to full asset management of the collection system, implementation of the SCRAPS model and the collection system staff’s getting to a comfort level and then adopting it in the daily O&M of the system were great achievements, and a big step forward toward full asset management. The next step was to launch into a fully computerized asset management program.

The wastewater department purchased the CapPlan Sewer model in late 2011 and then upgraded in 2013 to the InfoMaster Sewer. Denton now has a fully functioning asset management program for wastewater line rehabilitation and reconstruction.

The decision making matrix of this software was amended by staff to use the robustness and depth of wastewater system data already collected in the Cityworks CMMS, the SCRAPS input data, and collection system asset knowledge from construction plans and operations. The Infomaster Sewer model results provide a ranking of each wastewater pipe, CCTV priority, point repairs needed, and replacement/rehabilitation needed for the entire collection system. The results provide an estimated cost for each task and thus a roadmap for creating operation and maintenance budget for the entire existing collection system.

This has allowed Denton to move away from the 50-year depreciation method of developing a rehab/reconstruction budget to a fully computerized, priority-ranked system of rehab/reconstruction, resulting in substantial cost savings.

Operationally, sewer line back up calls have been reduced by 90 percent since 2001. Annual sewer system overflow volumes have been reduced by 99.5 percent since 2001. Overflow incidents have been reduced by 80 percent since 2001.

The City of Denton Wastewater Collection Division has made substantial efforts to share their experience and knowledge with other utilities. Denton staff had many visits from other Texas cities and utilities interested in learning about how to implement an effective collection system asset management program. Division staff has also been active in presenting on asset management at local and regional conferences.



*The following takes place at the
Conference Night Out at the Frontiers of Flight Museum
6 p.m. to 8 p.m. Wednesday, April 16*

WATER ENVIRONMENT ASSOCIATION OF TEXAS

PRESIDENT'S SERVICE AWARDS

Each year the outgoing president of WEAT recognizes members for their service to the organization during the president's term.

This year, outgoing President Curtis Smalley will recognize members for their service during the past year.

TEXAS SECTION - AMERICAN WATER WORKS ASSOCIATION

CHAIR'S SERVICE AWARDS

Each year the outgoing chair of the Texas Section AWWA recognizes section members for their service to the section during the chair's term. This year, outgoing Chair Christianne

Castleberry will recognize a group of key members who have served the section during the past year.

WATER ENVIRONMENT ASSOCIATION OF TEXAS

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TEXAS SECTION - AMERICAN WATER WORKS ASSOCIATION

CHANGE OF LEADERSHIP

Outgoing WEAT President Curtis Smalley and outgoing TAWWA Chair Christianne Castleberry will welcome their successors, Stephen Coonan

for WEAT, and Alissa Lockett for TAWWA, into their new leadership roles.



**Congratulations
to all our
winners**



Save the dates:
Texas Water 2015SM
April 14-17, 2015
Corpus Christi, Texas