

McAllen Public Utility

**Leading in Water &
Waste Water for South
Texas**

**Marco A. Vega, P.E.
General Manager**

MPU Board of Trustees



Ernest Williams
Trustee



Tony Aguirre
Vice Chairman



Jim Darling
Mayor/Ex-Officio
Member



Charles Amos
Chairman



Albert Cardenas
Trustee

McAllen Public Utility Rate Payers

McAllen Public Utility Board of Trustees

Albert Cardenas - Chairman
Antonio "Tony" Aguirre, Jr., - Vice Chairman
Ernest R. Williams, - Trustee
Charles Amos - Trustee
Jim Darling, Mayor/Ex-Officio Member



Asst. General Manager
Juan "J.J." Rodriguez

General Manager
Marco A. Vega, P.E.

Director of Water Systems
Joe Solis

Utility Board Secretary
Nyla L. Flatau

Director of Treasury Dept.
Melba Carvajal

Director of Wastewater Systems
David Garza

Administrative Asst.
Edith Shelton

Utility Engineer
Carlos Gonzalez, P.E.



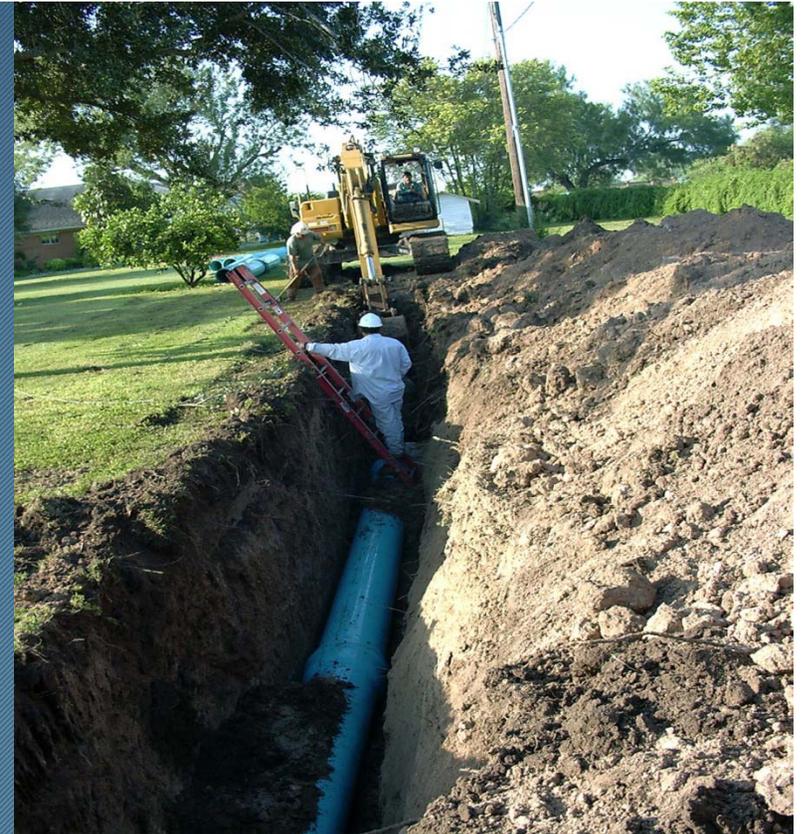
MIPU
Organizational
Structure

FY 2018-2019 Operating Budget

Water Appropriations	<u>\$22,000,000</u>
Wastewater Appropriations	<u>\$21,000,000</u>
Total Operating Budget	<u>\$43,000,000</u>

Water & Waste Water System

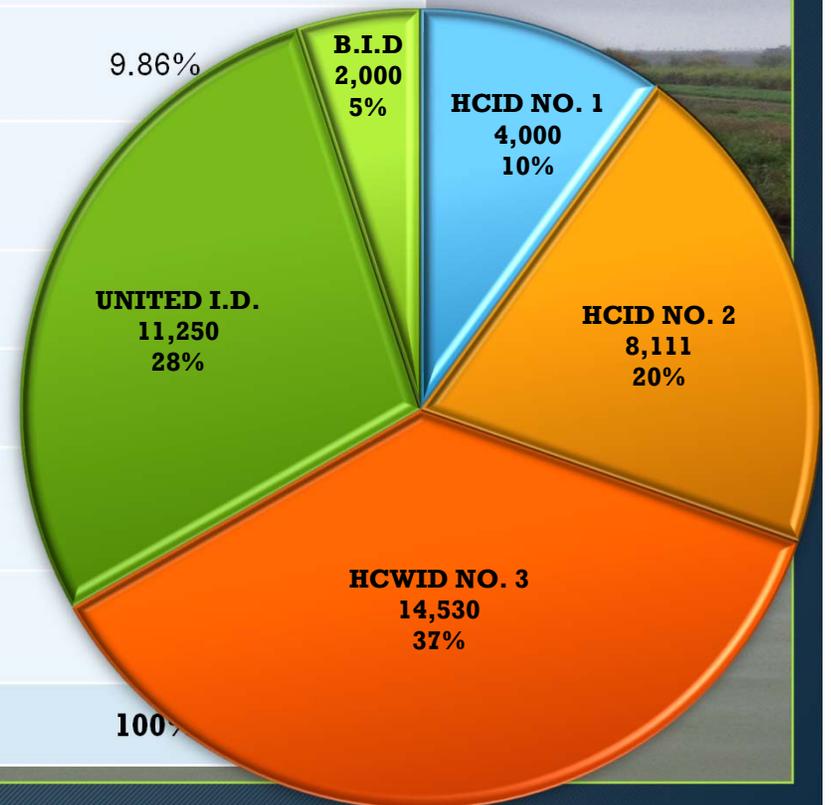
- Approx. 770 Miles of Water Distribution System
- Approx. 48,000 Accounts and 55,000 Connections



- 54 Lift Stations (10 in Alton)
- Approx. 630 Miles of waste water collection system

RAW WATER SUPPLY

RAW WATER		
Irrigation District	Allocation (Ac.-Ft.)	Percent Allocation
HCID No. 1	4,000	9.86%
HCID No. 2	8,111	
HCWID No. 3	14,530	
United I.D.	11,250	
Brownsville I.D. (lease)	2,000	
City Wtr. Rights	679	
TOTAL	40,570	100%



WATER TREATMENT SYSTEM

**SWTP 4 MGD
EXPANSION – 53 MGD**

WATER TREATMENT \$4-5 MILLION

1 MGD BGWW

TOTAL WATER SYSTEM CAPACITY – 64 MGD



WHOLESALE WATER CONTRACTS

REGIONAL WATER SALES - REVENUES

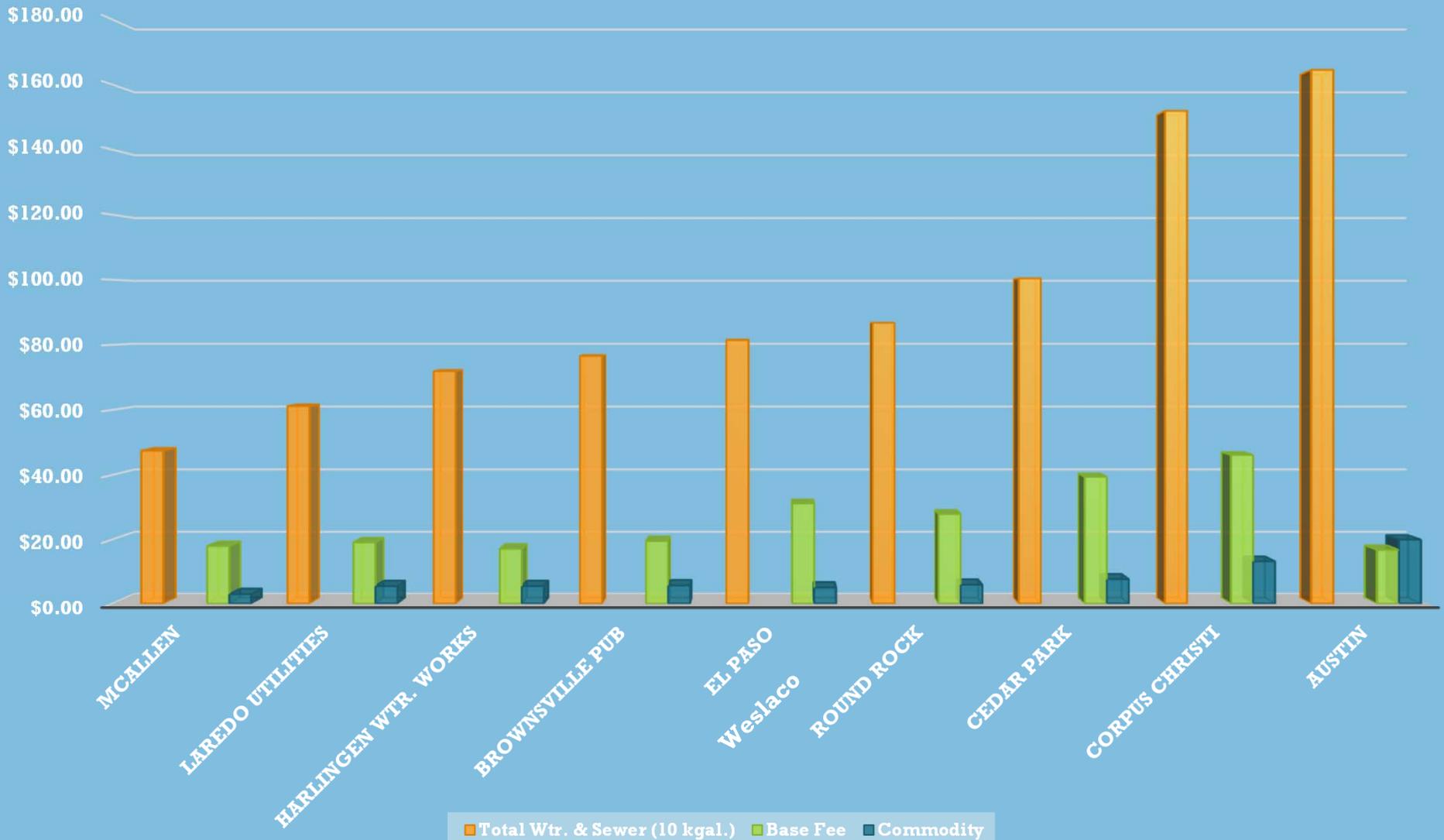


	1	2	3
City of Edinburg City of Mission City of Hidalgo	0		
Revenue 2013-2014 \$31,263.92	\$0.00	\$0.00	\$31,263.92
Revenue 2014-2015 \$14,321.60	\$1,591.38	\$49,401.35	\$65,314.33
Revenue 2015-2016 \$100,501.05	\$17,928.18	\$53,436.13	\$171,865.36
Revenue 2016-2017 (Oct- Jul) \$100,379.50	\$0.00	\$71,315.00	\$171,694.50

- City of Edinburg City of Mission City of Hidalgo
 ■ Revenue 2013-2014 \$31,263.92
 ■ Revenue 2014-2015 \$14,321.60
- Revenue 2015-2016 \$100,501.05
 ■ Revenue 2016-2017 (Oct- Jul) \$100,379.50

Utility Rates Comparison

Water & Sewer Rate Comparisons – 10 kgal Consumption



ELEVATED WATER STORAGE

6.75 Million Gallons of
Elevated Storage



New Raw Water Reservoir

300 Million Gallon Capacity



WASTE WATER TREATMENT SYSTEM

SWWTP – 10 MGD

**\$56
MILLION**

TOTAL WASTE WATER SYSTEM CAPACITY – 25 MGD



CURRENT PROJECTS

South Waste Water Treatment Plant Upgrade Project

\$56 MILLION



FUTURE PROJECTS

- **NWWTP SCADA/ELEC. IMPROVEMENTS**
- **SPRAGUE RD. SEWER LINE**
- **LARK SEWER PROJECT**
- **GPS – PHASE 2**
- **BICENTENNIAL WATER LINE**
- **BICENTENNIAL SEWER LINE**
- **AMI (SMART METERS)**
- **REGIONAL WATER LINE PROJECT**
- **DICKER RD. SEWER PROJECT**
- **DICKER RD. WATER PROJECT**
- **GPS – PHASE 2**
- **BALBOA WATER LINE – PHASE 2**
- **CIVIC CENTER UTILITY IMPROVEMENTS**
- **WATER RIGHTS ACQUISITION**

NWWTP ELEC. & SCADA IMPROVEMENTS



NWWTP WATER RE-USE PROJECT



MPU Ambassadors



McALLEN Main Line Express

PUBLIC UTILITY "News You Can Utilize"

January 2012
Volume 2, Issue 2

29th STREET SANITARY SEWER PROJECT

As you may have noticed, 2011 was a year full of renovation projects for McAllen Public Utility. One of many ongoing projects is located at 29th Street and Ebony Avenue.

This project consists of replacing the old 24 inch PVC force main with a new 36 inch PVC gravity line to include several 12-inch laterals. One component of the project consisted of micro-tunneling



to a depth of 40 feet below and 250 feet across underneath Business 83 in order to avoid any interruption in east- and westbound traffic; however, there was some unavoidable interruption to traffic on southbound 29th Street to Expressway 83.

The ongoing project will also include the abandonment and demolition of the 29th Street and Ebony Avenue lift station. The 29th and Ebony lift station has serviced as a point of transfer since 1971, averaging about 3.5 millions gallons per day. All transfers from Nolana Avenue between 10th Street and Ware Road would come into this lift station.

Now, the intersection at 29th and Ebony will have a manhole instead of a lift station to allow the wastewater to flow via gravity to the next lift station in south McAllen, located at 29th Street and

REUSE WATERLINE INSTALLED FOR FUTURE PROJECTS

Recycling is a concept that can not only apply to paper, plastics, and other consumer products, but water as well. Current drought conditions, concerns over future water availability, and an increasingly popular interest in conserving our available resources have all contributed to a renewed attitude toward "recycled" or reuse water.

Reuse water can be thought of as treated wastewater that undergoes additional treatment processes so that it may be used for applications such as landscape and non-food use agricultural irrigation, industrial tower cooling, and other non-potable uses.

The U.S. Environmental Protection Agency and the Texas Council on Environmental Quality strictly regulate the content and quality of reuse water.

MPU installed a 16 inch reuse non-potable waterline, along with other improvements, from Galveston Avenue to the south side of Expressway 83. The line will be used in the future to irrigate the

Covina Avenue. The new gravity-based lines will alleviate much of the routine maintenance work currently needed to keep the lift station functional, and also make the system more serviceable during hurricanes and flooding. This project is being completed by Don Kelly Construction, with Javier Morales serving as MPU inspector.

Elimination or rehabilitation of lift stations with hazardous conditions has been a main concern of Wastewater Director Marco Pedraza. This will be the eleventh lift station to be eliminated under Pedraza's direction since 1995, and 10 have been rehabilitated to date. More lift stations are scheduled to be either eliminated or rehabilitated over the upcoming year.

There are other projects still in the construction stage, like the upgrade at the North Wastewater Treatment Plant from 8 million gallons per day to 15 million gallons per day. The plant's expansion is in great need to bring capacity up-to-date for McAllen's north side. MPU remains committed to providing outstanding water utilities for the residents and visitors to McAllen and will keep you updated on other projects as the year progresses!



McAllen Convention Center District and has the capability to be expanded for additional projects at a later date. MPU currently transports reuse water to industrial facilities for cooling tower purposes and has provided irrigation water for City properties.



The Utility hopes to expand reuse water offerings in the years to come as it becomes an ever more important part of non-potable water availability for the state of Texas and the nation.

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**Have a
Communication
Strategy!**

- Water Quality
- Severe Weather
- Contaminants
- State & Federal Regulations
- Public Perception
- Funding Issues
- Aging workforce

**Utility Industry
State of the**

Strategies

- Social media
- Bill Inserts
- IVR
- Code Red
- MPU Website
- Software

Social Media



MPU

Issue 78 | March 2016 | Executive Edition

NEWSLETTER

McALLEN PUBLIC UTILITY



Letter from the General Manager

Once again, it is a privilege to address the employees of the McAllen Public Utility (MPU). I'm so proud of our employees and how they go about their business on a daily basis.

Speaking of pride, I recently attended a Naturalization Ceremony where my wife, along with hundreds of other new Americans, took their Oath of Allegiance and became citizens of the United States of America. Witnessing this event firsthand was an eye opener for me. The joy on those citizens' faces was real. They were beaming with the hope that they would have an opportunity at chasing the "American Dream". One new citizen, a woman from China, was invited to speak to the audience. She told her story of growing up in rural China and studying Math until she nervously decided to pursue higher education in the U.S. She received a Bachelors, Masters, and even her Doctorate, and is now a professor at the University of Texas Rio Grande Valley. She worked hard for the American Dream and is now a role model for new and not-so-new citizens alike. She spoke from the heart and communicated her love for this country and how she was given opportunities that otherwise would not have presented themselves in her homeland.

In the end, I was very proud of being a citizen of the greatest country on earth but I was also surprisingly saddened by the fact that I had grown accustomed to and taken for granted the wonder of being a citizen in a free-est of countries. Every day (and completely oblivious most times) we are living the "American Dream" where our forefathers believed that people "...are endowed by their Creator with certain unalienable Rights, that among these are Life, Liberty and the pursuit of Happiness." Maybe it's time we reflect, with gratitude, for our opportunities.

I am proud to be pursuing that dream for me and my family along with hundreds of other employees of this great organization. Our employees are committed to pursuing a higher quality of life for all our citizens. They work hard every day (and completely oblivious most times) that they are role models for their fellow employees, children and their families. We have a great opportunity and purpose in serving our citizens. Maybe it's time we reflect on that purpose and be grateful for the opportunity.

Thank you and may God Bless us all here at McAllen Public Utility.

Sincerely,


Marco A. Vega, P.E.
General Manager

MANAGERS' COMMITMENT TO EMPLOYEES

I will conduct myself toward employees in a manner that reflects true leadership.

Newsletters

- Internal/External Newsletters
- Utility Bill Inserts

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MPU Water Education



Community

AS Thu 4/12/2018 7:57 PM
Special Sampling

To: Mark A. Vega
You forwarded this message on 4/12/2018 10:20 PM.

Phish Alert + Get more ads

Good Evening Mr.Vega,

This is [redacted]z with the [redacted] i am asking the City of Mcallen if you can be of assistance with special sampling for tomorrow if possible. Please let me know so we can take samples early in the morning and delevery them to your facility as soon as possible.

Thanks in advance for your help. Greatly appreciated

Sent from my iPhone

AS Sat 4/14/2018 5:52 PM
Re: BacT's for RGC

To: Mark A. Vega
Cc: [redacted]
You replied to this message on 4/15/2018 1:25 PM.

Phish Alert

Yes great news and again gentleman want to that you all for all your help.

Great weekend

Sent from my iPhone

On Apr 14, 2018, at 2:13 PM, Mark A. Vega <mvega@mcallen.net> wrote:

Great. Thank you [redacted]

Sent from my iPhone

On Apr 14, 2018, at 12:38 PM, [redacted] wrote:

The samples that where brought by [redacted]y came out today @ 11:32 they are negative.

McAlLEN INDEPENDENT SCHOOL DISTRICT
Application and Contract for Use of School Facilities
by Eligible Community Organizations
Revised: 05/24/2007, 11/03/2011,
10/28/2013, 01/20/2015
Fill-able with A Adobe Acrobat

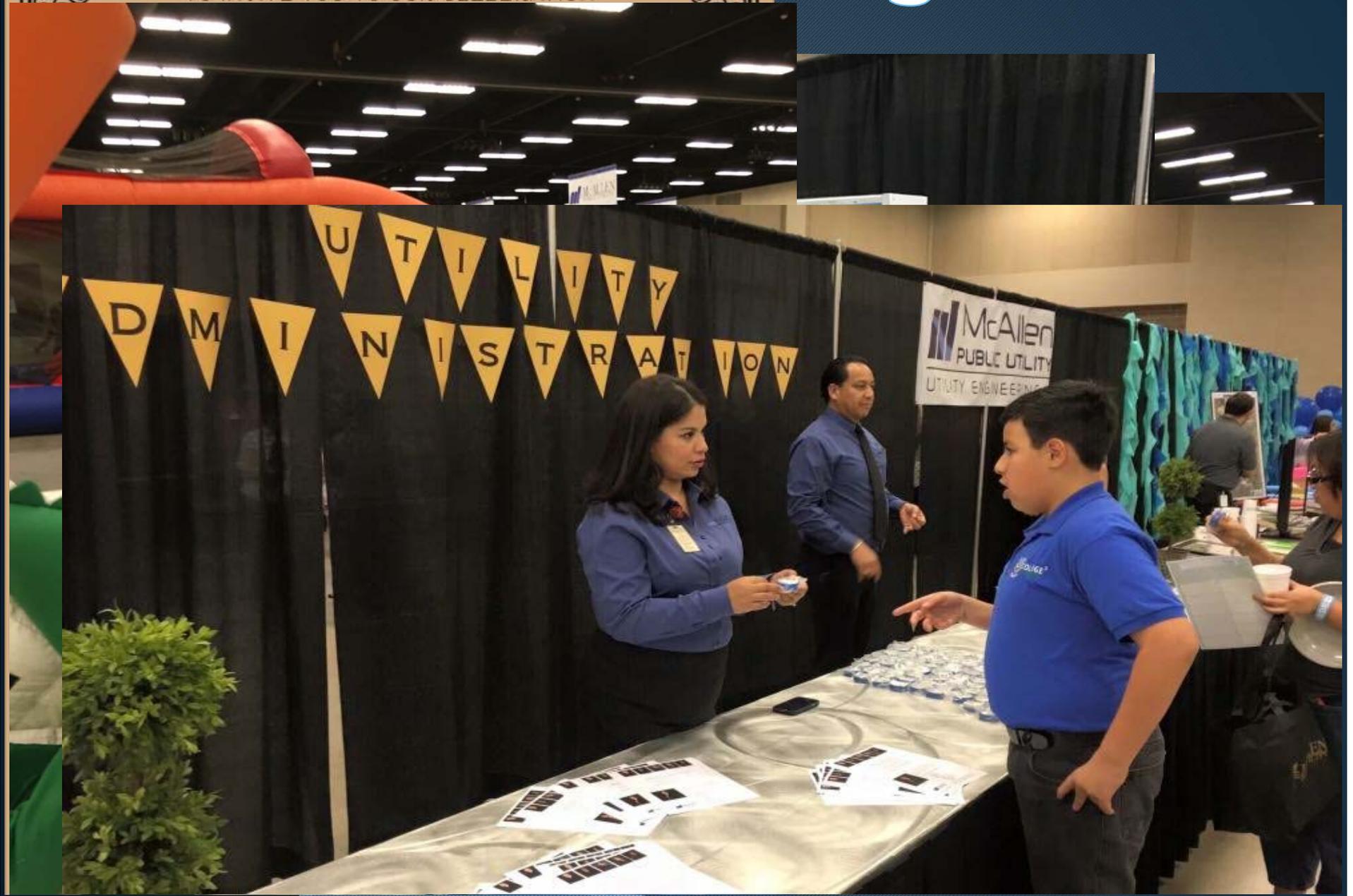
USE OF FACILITIES ON SUNDAYS IS PROHIBITED
NOTE: ORGANIZATION MUST BE NON-PROFIT



MPU Community Giving



MPU Annual Night Out



QUESTIONS

