



BROWNSVILLE
PUBLIC UTILITIES BOARD

PUBCAP Meeting



Wednesday, April 16, 2025



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PUBLIC UTILITIES BOARD

Call Open Meeting To Order



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Approval of Minutes



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Old Business



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New Business



AMI Project Update

Jaime Aguilar
Division Manager
Enterprise Solutions

Project Objectives

Enhance

- ✓ Electric outage detection
- ✓ Leak detection

Ensure

- ✓ Data accuracy
- ✓ Security & compliance
- ✓ Robust training

Achieve

- ✓ Time & Resource Savings
- ✓ Seamless integration with existing systems

Empower

- ✓ Customers with access to data and tools for energy and water management
- ✓ Employees to plan and execute strategies

Benefits

Customer

- ✓ Enhanced customer experience
- ✓ Fewer estimated bills
- ✓ Notifications
- ✓ Leak detection
- ✓ Online tools
- ✓ Consumption management
- ✓ Quicker outage restorations



Utility

- ✓ Timely & accurate meter reading
- ✓ Reduced truck rolls
- ✓ Enhanced outage detection
- ✓ System planning & optimization
- ✓ Reduced bill adjustments
- ✓ Real-time analytics
- ✓ Theft detection
- ✓ Improved safety

AMI Solution

•Landis + Gyr

- Electric meters
- Gridstream mesh RF network
- Command Center headend system

•Badger

- Water meters
- Badger Orion LTE-m cellular endpoints
- BEACON headend system

•SmartWorks

- Compass Meter Data Management System (MDMS) for electric and water

•Allegiant

- Electric and water meter and network installation services



Update

Installation	Start	Installs
Water	April 7,2025	620
Electric	April 14,2025	5



Earth Day-Community Outreach

ENERGY EFFICIENCY AND CONSERVATION

April 16, 2025


Mirta Vasquez

Energy Efficiency and Conservation Coordinator

Key Accounts Marketing

A decorative graphic at the bottom of the slide consisting of several overlapping, wavy blue shapes that create a sense of movement and depth, resembling water or a stylized landscape.

Agenda

- Earth Day Overview
 - Department Key Initiatives
 - Market Outreach Events
 - Call to Action
 - Questions
- 




- **Tuesday, April 22, 2025**
- **Theme Is “Our Power, Our Planet”**
- **Earth Day is celebrated to raise awareness about the environment and inspire action to protect our planet.**
- **It is a day to celebrate the beauty and importance of Earth, and to learn about and advocate for environmental issues.**

Energy Efficiency and Conservation Department

The BPUB Energy Efficiency and Conservation Department is dedicated to promoting sustainable energy practices and environmental stewardship within the Brownsville community. BPUB offers various programs and initiatives to help residents and businesses reduce energy consumption, lower utility costs, and contribute to a greener environment.

Key Initiatives:

- Renewable Energy Support: BPUB assists customers in integrating renewable energy into their homes and businesses.
 - Energy Efficiency Rebates: BPUB offers rebate programs for energy-efficient and water conservation.
 - Conservation Education: Customers can access free online tools to assist in Electrical and Water conservation.
 - Community Outreach: BPUB actively participates in events educating the community in sustainability and conservation efforts.
- 

BISD Recycle Rally

BPUB ACTIVELY PARTICIPATED IN THE BISD RECYCLE RALLY, REINFORCING ITS DEDICATION TO ENERGY EFFICIENCY AND CONSERVATION THROUGH COMMUNITY ENGAGEMENT.

Key Highlights:

- **Interactive Displays:** Informative materials designed to foster environmental awareness.
- **Water Conservation:** Free resources provided to help residents reduce water waste.
- **Community Partnerships:** Strengthening connections with BISD, local businesses, and residents to encourage sustainability.

BPUB's involvement in events like the Recycle Rally empowers the community with the knowledge and tools to build a greener Brownsville.



Brownsville Parks and Recreation Earth Fest '25



EARTH FEST IS DESIGNED TO CREATE COMMUNITY AWARENESS ABOUT THE ECOLOGICAL BENEFITS OF "GREEN" LIVING.

- Partnership with the City of Brownsville and other local organizations.
- Includes hands-on family activities, an eco-friendly vendor market, and sustainable living workshops.

BPUB's FOCUS:

- Water Conservation
 - Stage 2 Water Restrictions
 - Water Conservation Tips
- Energy Efficiency
 - Go-Green BPUB Rebate Programs
 - Home Energy Suite

BPUB Earth Day



Energy Efficiency and Water Conservation Kits

Encouraging Conservation: Providing energy-efficient light bulbs, water-saving fixtures, and other conservation tools empowers customers to reduce electricity and water consumption in their homes, leading to more sustainable resource usage.

Promoting Long-Term Cost Savings: Reducing energy and water usage benefits both customers and BPUB by lowering costs and improving resource efficiency. Customers see reduced utility bills, while decreased demand on infrastructure enhances long-term sustainability.

Advancing Sustainability Goals: Distributing conservation kits supports broader environmental initiatives and aligns with Earth Day efforts, reinforcing a commitment to eco-friendly practices and responsible resource management.



We Need Your Help!

Celebrate Earth Day by Taking Action!

Earth Day serves as a powerful reminder of how our choices shape the environment—and the responsibility we share in protecting it. **Join BPUB in making a lasting impact!**

Promote Energy Efficiency Energy efficiency is one of the simplest ways to reduce waste and lower costs. Small changes—like switching to LED bulbs or unplugging unused devices—can make a big difference.

Champion Water Conservation- Every drop counts! Help spread awareness about current water use restrictions and eliminate non-essential watering to preserve this vital resource.

The Power of Small Actions Every step—whether conserving energy, reducing waste, or protecting natural resources—adds up to a healthier planet. The choices we make today shape the world for future generations.

TOGETHER, WE CAN BUILD A GREENER BROWNSVILLE!





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Questions?

MIRTA VASQUEZ, ENERGY EFFICIENCY AND CONSERVATION COORDINATOR



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Spring Community Tour

PUBCAP MEETING – APRIL 16, 2025

Purpose of Tours



- **Water tour in the spring and electrical tour in the fall**
- **Share information with key stakeholders about issues, projects and achievements to improve knowledge and support of BPUB.**

Tour Information

- **Friday, May 23, 2025**
- **8 a.m. – 12 p.m.**
- **Lunch will be provided**
- **RSVP will open**
Wednesday, April 23, 2025

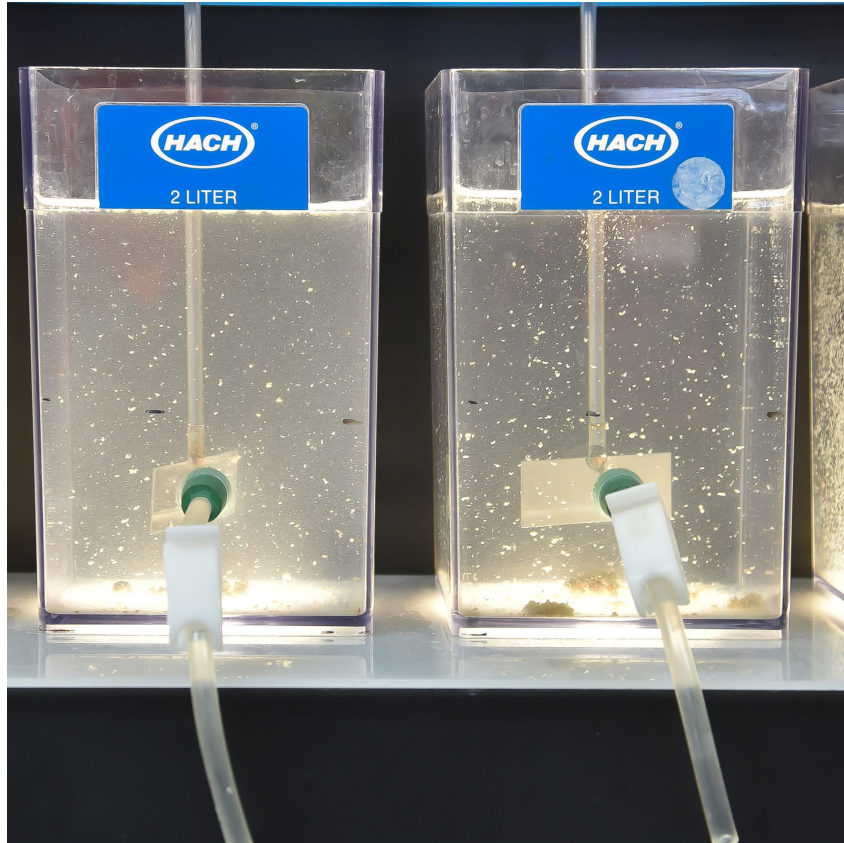


Tour Sites



- **North Wastewater Treatment Plant**
- **Southmost Regional Water Authority**
- **Old Yard – Resaca Restoration**
- **Water Treatment Plant No. 1**

Invitation



- **Behind-the-scenes look at BPUB's water and wastewater utilities**
- **Get a first-hand overview by subject matter experts**
- **Limited to 25 individuals**

Questions?



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Public Comments



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Next Meeting Date

MAY 21, 2025



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Adjournment
