



September 5, 2025

Honorable Mayor and City Commissioners
City of Brownsville
1001 E. Elizabeth Street
Brownsville, Texas 78520

**Subject: Annual Report Submission – Brownsville Public Utilities Board (BPUB)
Collaboration Update**

Dear Mayor Cowen and City Commissioners:

In accordance with Article VI – Utilities Board, Section 4(f) of the City Charter, the Public Utilities Board is required to submit an annual report to the City Commission detailing progress on collaborative efforts with the City of Brownsville toward shared goals. These goals include enhancing coordination in planning and policy, eliminating service duplication, improving administrative efficiency, fostering joint service initiatives, and ensuring high-quality service delivery at the lowest possible cost.

To fulfill this mandate, the BPUB Executive Team is pleased to submit the attached report. We are also coordinating with City Management to present this update during the Regular City Commission Meeting scheduled for September 16, 2025.

Should you have any questions or need further clarification regarding the information provided, please feel free to contact me at [REDACTED]. I would be happy to discuss the report at your convenience.

Respectfully,

[REDACTED]

Signature on file

Gerardo Martinez
BPUB Board Chairman

Attachment

City Commission:

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Fiscal Year 2024 – 2025 Report:
Article VI. – Utilities Section 4(f) – Miscellaneous

September 16, 2025

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Common Goal 1 – Eliminate Duplication of Services

Road Projects & BPUB Infrastructure Projects

The Brownsville Public Utilities Board (BPUB) collaborates with the City of Brownsville's (COB) Engineering and Public Works Department to coordinate the repair, upgrade, and installation of utility infrastructure alongside the City's road repair and construction projects. This collaboration reduces costs and minimizes road closure time. In FY 2025, BPUB completed several major road-related projects and has several streets currently under construction, with numerous others in the planning or design phase. Completed project highlights include:

Buenos Aires, Norteña, and Jose Marti

This street paving, drainage and utility improvement project included the installation of:

- 3,330 linear feet of new waterlines.
- 3,000 linear feet of new sewer lines.
- Replacement of 215 water & sewer services.

Portway, 11th, and 12th

This street paving, drainage and utility improvement project included the installation of:

- 2,000 linear feet of 8" waterline, along with gate valves, assorted fittings, fire hydrants, and new service connections.
- Over 1,600 linear feet of sewer pipe, constructing multiple sanitary sewer manholes, and connecting new services to existing lines.

Avenida de la Plata, San Pedro, and Elsa, Marvis

This paving, drainage, and utility improvement project included the installation of:

- Approximately 2,535 linear feet of 8" waterline, along with multiple gate valves, fire hydrants, and over 90 water service connections.

- More than 3,400 linear feet of PVC pipe and several fiberglass manholes ranging from 3 to 13 feet in depth in sewer upgrades.
- 66 single and six double sewer service lines, multiple water tie-ins to existing 4", 6", 8", and 12" pipes, as well as the abandonment of outdated water and sewer infrastructure.

Ongoing project highlights include:

Calvin Street

This project includes:

- Replacing 18 water and sewer service connections.
- Installing 931 linear feet of new 10-inch sanitary sewer line.
- This installation is supported by new manholes to improve system access and reliability.

Old Hwy 77 (FM802 – Morrison)

The Old Highway 77 Street Improvements project involves extensive utility upgrades to resolve conflicts with proposed infrastructure. Work includes the installation and connection of new water and sanitary sewer lines, valves, fittings, and service lines, as well as the removal and abandonment of outdated systems. The project also incorporates manhole construction, steel casing installation, and protective measures for asbestos pipe replacements. These improvements are designed to support the City's roadway enhancements while ensuring long-term utility performance and compliance with regulations.

BPUB Electrical Engineering is actively coordinating with City staff, Hanson Professional Services, Inc., and Mako Contracting Engineering on electrical utility adjustments required to support the upcoming water, wastewater, and road improvements along the project corridor.

Distribution Pole Relocations:

Five wood distribution poles have been identified as being in direct conflict with the proposed roadway improvements. Plans are underway for their relocation to ensure alignment with the construction schedule.

Temporary Pole Support:

- Approximately 30 additional poles will require temporary support during excavation activities. These supports are being planned to maintain system integrity and minimize service disruptions during the construction period.
- BPUB teams remain engaged to ensure the timely resolution of all utility-related issues and to support the successful delivery of the projects.

Coffee Port Road

Coffee Port Road from FM 802 to Old Port Isabel Road will be rebuilt to an urban curb-and-gutter roadway with drainage improvements. BPUB is including needed utility improvements and adjustments in conjunction with the City's construction contract. This project will consist of:

- Replacement, relocation, and/or extension of 6-inch through 12-inch asbestos-cement (AC) waterlines, 6-inch through 12-inch vitrified clay (VC) sanitary sewer lines, and 20-inch AC force main sewer lines.
- Phase I of the project will be from FM 802 to Paredes Line Road and is anticipated to go into construction at the start of 2026.
- Water and Wastewater operations have completed all spot checks requested by the City.

BPUB Electric Engineering is currently coordinating with City staff and Halff Associates to address and resolve electric utility conflicts associated with the planned improvements.

The project is in the design coordination phase, with construction anticipated to begin in Fiscal Year 2026. BPUB is actively engaged in identifying potential utility adjustments early to minimize delays and ensure a smooth transition into the construction phase.

Old Alice Road (Frontage 69E – Ruben M. Torres)

The Old Alice Road project will include:

- Installation of 4,200 linear feet of 8" PVC waterline.

- 1,150 linear feet of 8" PVC sewer pipe.
- 3,180 linear feet of 15" PVC sewer pipe.
- 24 new 48" fiberglass manholes.
- Multiple water and sewer service connections, gate valves, bends, fire hydrants, and tie-ins to existing infrastructure.

Force main improvements include:

- 1,150 linear feet of 8" PVC pipe and 250 linear feet of 16" steel casing.
- Safety measures such as trench protection, dewatering, and a sealed excavation plan are incorporated.
- The anticipated start of construction will be during the first quarter of 2026.

BPUB Electric Engineering is actively coordinating with City staff and TEDSI to resolve electric utility conflicts identified during the project's design phase. Preliminary conflicts identified include several transmission poles. BPUB is working closely with TEDSI to explore design adjustments that could eliminate or reduce the number of conflicts and prevent transmission system outages.

Construction is currently in the planning phase, and BPUB remains committed to supporting the project's successful delivery through proactive utility coordination.

Wildrose Lane

The Wildrose utility improvements project includes installation of:

- Approximately 2,410 linear feet of PVC sewer pipe in 8", 10", and 12" diameters;
- seven 48" fiberglass manholes and multiple sewer service connections;
- water system upgrades featuring 2,300 linear feet of PVC pipe in 8", 12", and 16" sizes, plus several gate valves, fittings, and fire hydrants;
- over 20 water service connections, steel casing installations, and tie-ins to existing lines.

Elizabeth, Levee, St. Charles, and St. Francis (Alleys)

This BPUB Downtown Wastewater Improvements project includes wastewater improvements in the alleys between Elizabeth, Levee, St. Charles and St. Francis Streets and consists of:

- Approximately 40 feet of 8-inch diameter wastewater line.
- 4,953 feet of 12-inch diameter wastewater line.
- 17 manholes.
- Hydraulic shoring, bypasses, and restoration of alleys and roadway sections to the City's roadway specifications.

Adams, Washington, and Elizabeth (Alleys)

This project includes wastewater improvements in the alleys between Adams, Washington and Elizabeth Street, as well as waterline improvements between 10th and 13th Streets and consists of:

- Approximately 2015 feet of 8-inch diameter waterline with valves, fittings, and appurtenances.
- 851 feet of 8-inch diameter wastewater lines.
- 3,469 feet of 12-inch diameter wastewater lines.
- 177 sanitary sewer services.
- Hydraulic shoring, bypasses, and restoration of alleys and roadway sections to the City's roadway specifications.

Villa Los Pinos

The Villa Los Pinos project includes the installation of:

- 40 linear feet of 8" PVC DR-25 waterline.
- Four single and seven double existing water service reconnections.
- Wastewater improvements feature the reconnection of two single and eight double sanitary services, as well as dewatering and trench safety measures across 1,260 linear feet.

Additional work also includes the removal of 30 linear feet of existing 8" waterline and installation of six storm sewer manholes.

Backflow Testing Update

BPUB's Cross Connection Control Department performs annual backflow preventer assembly tests for City-owned valves. Currently, the department tests approximately 124 City-owned backflow preventers. These devices ensure that the potable water supply is not contaminated due to a reverse flow event. This partnership removes the financial burden of testing for the City and enhances BPUB customers' adherence to state regulations.

Common Goal 2 – Create Administrative Efficiency

City Fee Collections

The inclusion of COB fees in BPUB utility invoices is part of a comprehensive strategy designed to streamline administrative processes, eliminate operational redundancies, and enhance service delivery.

By centralizing municipal services such as garbage collection, city maintenance, and federally unfunded environmental compliance mandates within the billing system, the City and BPUB enhance efficiency, lower costs, and simplify the payment experience for residents. BPUB is also collaborating with the City to integrate a new recycling service, establish rates, and enhance existing services within the billing software.

Accela Software Integration Update

BPUB's Electric Engineering has taken a significant step forward in supporting digital plan review and customer engagement by purchasing nine licenses for Accela and DigEPlan. These tools have enabled engineering staff to actively review development plans and communicate more efficiently with customers and developers throughout the permitting and construction process.

Throughout the year, City staff and BPUB Electric Engineering have held multiple meetings to discuss interface tools and integration strategies. These collaborative efforts are focused on creating a seamless, transparent process that enhances clarity for all stakeholders involved.

Common Goal 3 – Provide Joint Service Efforts

Streetlight Projects

BPUB installs and maintains approximately 13,752 ⁽¹⁾ streetlights throughout the city to enhance public safety and improve transportation. The streetlight program improves visibility for drivers, pedestrians, and cyclists.

Street Light Installation / Maintenance

BPUB is upgrading to energy-efficient LED lighting, which provides better illumination and reduces energy consumption. So far, BPUB has replaced 9,741 ⁽¹⁾₍₂₎ streetlights with LED lighting.

Notes:

- 1. Numbers obtained from the COB June 2025 Light Report.*
- 2. Electric Operations manages the LED Street light replacements. They set the pace for the project's progress.*

New Street Light Requests

The BPUB Electrical Division is working closely with the Traffic Department to address new streetlight requests on a regular basis.

- As of June 2025, and at the request of the Traffic Department, BPUB has installed a total of 12 streetlights throughout the city in FY 2025.
- The BPUB-COB monthly Technical Committee meetings have become a valuable tool in this effort, helping to identify and resolve process setbacks, clarify required steps, and improve overall response times. This collaborative approach is enhancing coordination and ensuring a more transparent and efficient process for addressing community lighting needs.

Expressway Lights Maintenance Program

BPUB maintains more than 800 roadway fixtures on Expressway 77/69. These lights provide roadway illumination within the city limits of Brownsville, with a significant portion of the lights spanning outside of the BPUB service territory. For FY 2025, BPUB has performed four major expressway lighting maintenance operations, replaced over 150 fixtures, and repaired two electrical distribution circuits. As of this brief, BPUB Electrical Operations has planned two expressway lighting maintenance operations for each of the months remaining in FY 2025.

City of Brownsville Hike and Bike Trail Illumination – Complete

In fiscal year 2025, BPUB completed a comprehensive illumination project comprising 14 work orders, which included the installation of 10 distribution transformers and associated cabling to support 177 LED light fixtures along the city's hiking and biking trails. The project featured notable trail segments on:

- Belden Trail
- Westrail Trail
- Brownsville Historic Battlefield Trail
- Paseo De La Resaca Trail

The total BPUB financial contribution for this initiative was approximately \$135,165.80.

Jose Colunga B Metro – E. Transfer Station

BPUB Electric Division has successfully coordinated with City staff and ZIWA Construction to support the electric service needs for the new Multimodal Transportation East Transfer Station.

Through close collaboration and planning, all required electric infrastructure was delivered, and the project was successfully energized in May 2025. This milestone marks a key step in advancing multimodal transportation options for the community.

Cannery Public Market

The Cannery Public Market is poised to become a vibrant hub in Brownsville, offering fresh, local produce, artisanal goods, and handcrafted products directly from local farmers and makers. This initiative reflects the City's commitment to supporting local enterprise and enhancing the quality of life for residents. BPUB Electric Division has worked closely with the City staff to coordinate the electric service requirements for the Cannery Public Market.

The installation of electric utility infrastructure was completed during the last quarter of 2024, marking a major milestone in bringing this community-focused development to life.

Tony Gonzalez Park New Pavilion and Bathrooms

BPUB Electric Division collaborated with City staff to provide electric services in support of the new pavilion and restroom facilities at Tony Gonzalez Park. These upgrades are part of the City of Brownsville's Master Improvement Plan, aimed at enhancing public spaces and community amenities across the City.

The project was successfully energized in July 2025 (3), enabling full functionality of the new facilities and supporting the City's goal of creating more accessible and welcoming park environments.

Notes:

3. *Energization is being coordinated with COB and New Connections as of 7/8/25*

Landfill New Sanitation Department Shop

BPUB Electric Engineering has been actively working with City staff to coordinate the design and installation of electric services in support of the new Sanitation Department Shop at the City Landfill. This facility is designed to support on-site preventative maintenance and repairs of landfill machinery.

It will help minimize:

- Equipment downtime.
- Extend the lifespan of critical assets.
- Support both routine inspections and complex repairs, ensuring optimal operational performance.

City Hall Electrical Upgrades

BPUB Electric Engineering is working with City staff and Ethos Engineering to support the design and implementation of new electric service upgrades required for HVAC system improvements at City Hall. This collaboration is part of a broader effort to modernize City Hall infrastructure and improve energy efficiency through upgraded HVAC systems.

BTXFiber – Last Mile Pole Attachment Support

When completed, the City's BTXFiber project, a middle-mile fiber network, will make the internet accessible and affordable to residents and businesses. This \$90 million project is a public-private partnership between the City and Lit Communities. BPUB coordinates with the City and Lit Communities to reduce utility infrastructure conflicts, minimizing risks and costs. Specific actions include assistance in identifying underground utility infrastructure, providing access to utility poles for attaching fiber, and responding to utility infrastructure impacts.

- BPUB completed 2,279 pole reviews (497 internal + 1,782 consultant), and the City reimbursed BPUB \$228,984.87 for consultants' costs related to the initial approval of pole attachment applications.
- As of August 2024, Lit Fiber (Omni Fiber) paused all pole attachment work to re-engineer its applications. The decision was driven by the need to accelerate project delivery through a shift toward more underground installations, reducing reliance on aerial infrastructure.
- In February 2025, a project meeting was held between BPUB and Lit Fiber to discuss next steps and the reactivation of pole attachment applications. During this meeting, Lit Fiber confirmed that they have engaged Davey Resource Group as their new consultant responsible for preparing revised application packages.
- BPUB is now actively working with Lit Fiber to reactivate the project, which includes:
 - Reviewing the existing queue of applications.

- Coordinating with Davey Resource Group to ensure new submissions meet technical standards.
- Streamlining internal processes to improve turnaround time and reduce bottlenecks.
- This renewed collaboration aims to support the successful deployment of broadband infrastructure across Brownsville while maintaining safety, compliance, and service reliability.
- Joint Weekly Project Update Meetings continue between The City, Lit Fiber, and BPUB, facilitating issue resolution and keeping all parties informed.
- As part of the partnership with the City in the BTX Fiber project, BPUB expects to receive fibers dedicated for use in our IT Network and Operational Technology (SCADA) Network. These fibers will provide underground fiber connectivity to the following facilities as part of what was categorized as Priority A.
 - Administration Building
 - 511 Service Yard
 - IT Annex Network Operation Center (NOC)
 - SCADA Annex NOC
 - Water SCADA Data Center
 - 15 Electrical Substations
 - Water Plant 1
 - Water Plant 2
 - Raw Water for Water Plant 2
 - River Pump Station
 - SRWA Plant
 - SRWA Well Field
 - Robindale WWTP
 - South WWTP
 - Power Plant

SPI Airport Electrical Reliability

BPUB Electrical Division has been actively working to enhance electrical reliability at the SPI Airport.

- Personnel completed a patrol of the overhead distribution circuit serving the Airport and initiated preventive maintenance based on identified improvement opportunities. As of August 1, 83% of the maintenance work has been completed, which includes:
 - 28 tree trimming jobs
 - 10 pole replacements
 - 11 lightning arrester replacements
 - 9 transformer replacements
 - 174 fog bowl insulator replacements
- To further improve system reliability and reduce outages, BPUB installed 12 fault indicators at strategic locations in January.
- BPUB also engaged an engineering consultant to lead a project replacing 2.12 miles of direct-buried cable within the Airport property. Coordination with Airport staff has included update meetings, facility surveys, and utility locates. On July 17, 2025, BPUB and the consultant presented the preliminary design to Airport staff, received feedback, and aligned on next steps. As of August 1, FAA permits have been secured, and the consultant has begun preparing two work orders with construction tentatively scheduled for Q4 of 2025, which includes:
 - 1.12 miles of new underground cable/conduit along Boca Chica.
 - 1 mile of new overhead line along South Vermillion.

Resaca de la Guerra Resiliency and Restoration Project Update

The Resaca de la Guerra Resilience and Restoration Project, funded through a \$3 million WaterSMART award (with a \$1.6 million local cost-share), is designed to restore aquatic and riparian habitats, create additional potable water storage, and strengthen the city's water system resilience. Key milestones include final design completion by December 2025, environmental and cultural compliance and permitting by March 2026, contractor selection in April 2026, and the commencement of sediment removal in August 2026 (with completion projected for March 2027). Subsequent phases will follow through the Spring of 2027, including the removal of vegetation, riparian re-vegetation, trail construction, and stormwater treatment unit installation.

The BPUB Board approved work for a portion of the Resaca de la Guerra originally under the USACE Brownsville Resacas Project and has authorized BPUB staff to move forward with these

segment improvements. BPUB is working with the City Manager's Office and City Attorney's Office to finalize the USACE Partnership Agreement. A draft of the agreement has been sent to the City and is pending further action. Concurrently, BPUB continues to pursue other federal funding for related dredging and storage improvements.

Communication Synergy

BPUB designated the Chief Administrative Officer (CAO) as City Liaison to improve transparency and communication with the City. The CAO remains the primary point of contact for all City-BPUB communications, ensuring timely responses to inquiries and requests. Other BPUB efforts include:

- Presentations and discussions to the City Commission on drought, the Drought Contingency Plan, Resaca Restoration Projects, and related fees.
- Weekly meetings between City and BPUB attorneys.
- Scheduled Joint Subcommittee meetings.
- Joint COB and BPUB Board Meetings.
- Technical committee monthly meetings between the COB and BPUB.

Event Collaboration

The BPUB and the City collaborate on various events to leverage resources and achieve community awareness objectives. Some of these efforts include:

- **All-Hazards Awareness Fair:** BPUB attended the event to distribute information about drought and hurricane preparation.
- **One City Information Fair:** BPUB established an informational booth to provide details about available services, rebates, and bill assistance programs for eligible customers.
- **Careers and Coffee Expo:** BPUB staff engaged with job seekers and participated in recruitment/networking opportunities.
- **District 2 Spring Fling Touch-a-Truck and Scout Government Day:** BPUB showcased utility vehicles and engaged youth with hands-on demonstrations and education about public services and utility careers.

- **BISD 4th Annual Tree Planting Ceremony, Recycle Rally:** BPUB promoted environmental stewardship by participating in tree planting and recycling initiatives alongside students and community partners.
- **BPUB's Touch-a-Truck Event with the Children's Museum of Brownsville:** This family-friendly event, held in partnership with the Children's Museum of Brownsville, allows kids to explore BPUB's utility trucks, learning about how they support water, electricity, and wastewater services in the community. BPUB staff provide interactive demonstrations, educational games, and materials on water conservation and public power.
- **Sponsored Events:** State of the City, Boards and Commissioners Luncheon, Mr. Amigo Unveiling: BPUB supported civic engagement and community pride by sponsoring key local events that highlight leadership, service, and cultural celebration.

Drought Response

BPUB and the COB are dedicated to promoting water conservation through diverse media, events, and partnerships to educate residents. This approach helps reduce usage and supports sustainability amid ongoing water challenges.

BPUB and the City focus on raising awareness through proactive communication and practical tips, such as fixing leaks and using efficient irrigation. Their strategy targets families, schools, businesses, and policymakers to build a conservation culture. This helps mitigate the impacts of drought and preserves local resources for the long term. These initiatives include:

- **Brownsville Day at the Capitol:** This event allows BPUB and City officials to advocate for water issues with Texas legislators in Austin. They present drought data and seek funding for infrastructure improvements. It influences state policies and brings resources back to Brownsville.
- **Drought-Related Billboard Messaging:** Billboards deliver visible conservation messages like "Every Drop Counts" to commuters. Launched in June 2025, they are located on South Alton Gloor Blvd and North Expressway 77/83 for high-traffic exposure. The timing aligns with peak summer demand, encouraging reduced water use.

- **Drought-Related Social Media Messaging:** BPUB's Facebook and Instagram share updates, infographics, and tips on drought stages and conservation challenges. This engages younger audiences through interactive posts and contests and amplifies awareness via shares and community involvement.
- **Lobby Digital Signage:** Digital screens in public spaces, such as BPUB offices, display rotating messages on water statistics and watering schedules.
- **Career Days with Various Educational Institutions and Key Stakeholders:** Partnerships with schools and universities, such as UT Rio Grande Valley, offer workshops on water management careers.

Common Goal 4 – Ensure Quality of Service at Lower Cost

General Fund Transfer

City Ordinance 2022-1700 outlines certain covenants, which include the calculation transfers to the City. Transfers are made on a quarterly basis, calculated at ten percent (10%) of the gross revenues received for the preceding fiscal year quarter, as adjusted in accordance with the following, before applying the percentage set forth above to determine the amount to be transferred. The amount of gross revenues for a fiscal year quarter shall be reduced by an amount equal to all costs for the purchase of power and fuel paid or incurred by BPUB during such fiscal year quarter as well as funding requirements for the SRWA and the amount of funds to be transferred to the City shall be reduced by any amounts owed by the City to BPUB for utility services. This reinvestment model ensures that revenues are returned to the City of Brownsville, supporting long-term sustainability, affordability, and excellence in public service.

Reduced Rates

Through City Ordinance (Sec. 102, Article III – Rates and Charges), the Brownsville Public Utilities Board provides utility services to the COB at a reduced rate of approximately 20%.

Valve and Hydrant Maintenance Update

The BPUB Valve and Hydrant Department continues to collaborate with the City's Fire Department to inspect, flush, and maintain fire hydrants within BPUB's water distribution system. This coordination helps identify and address inefficiencies through maintenance, repair,

or replacement. Hydrants are replaced based on their condition and functionality and are color-coded according to flow rate and American Water Works Association (AWWA) standards.

In addition to hydrant maintenance, valve inspections are crucial to ensure proper operation of our system. Part of the inspection involves exercising valves to prevent them from seizing and ensuring smooth operation when needed. The process is systematically carried out in different sections, areas, and grids within the water distribution system. This preventative maintenance approach minimizes unexpected failures and ensures efficient BPUB water distribution system management.

Streamlined Request for Services by the COB

BPUB and the City, through their respective Technical Committee staff, developed, reviewed, and implemented a process to advance City projects while deferring payment processing in accordance with Bond Ordinance provisions.

Memorandum of Understanding for Cost Recovery of Services Update

BPUB's Chief Financial Officer, in collaboration with the City's Deputy City Manager and Chief Financial Officer, finalized an equitable agreement effective October 1 to recover costs incurred for services provided to one another and prevent under-recovery for the following services:

- Use of BPUB Rights-of-Way
- Capital Work Orders
- Street Lighting
- Resaca Dewatered Sediment Contribution to the City's Landfill
- Software Licenses on behalf of the City
- City Damages
- City Customer Service Inspections
- Processing of TEF Check Distributions
- Fiber Network (ARPA)
- Waste Water Downtown Improvements
- Potable Water Treatment Plant Filtration Sludges Contribution to the City Landfill

- 5% Franchise Fee to the City
- Street Patching
- Accela Licenses
- Resaca Administration
- Waste Pickup at BPUB Locations

Underground Residential Distribution (URD) Conductor Replacement Project

Underground conductor (URD) failures are disruptive and burdensome for BPUB's customer base. BPUB recognizes that while some URD failures will inevitably occur, others can be avoided with planning, proactiveness, and technology. This approach will not only ensure quality of service, but it will also reduce maintenance costs by reducing truck rolls and troubleshooting time. For FY 2025, BPUB has continued its CIP direct-buried cable replacement program with the following projects:

Brownsville Airport District Cable Replacement Project

Due to increasing outages from underground residential distribution (URD) failures, BPUB has added the Brownsville Airport District Cable Replacement Project to its CIP initiative. BPUB hired an engineering consultant to work on a project to replace 2.12 miles of direct-buried cable installed within the Airport property without reducing capacity. BPUB, the consultant, Airport, and City staff have collaborated on surveys and utility locates, including scheduling update meetings and completing all facility surveys required for the design. On July 17, 2025, both BPUB and the consultant met with Airport staff to present the preliminary design, get feedback, and agree on the next steps. As of August 1, FAA permits have been completed, and the consultant has started the creation of two work orders that will aim to replace the direct-buried cable with:

- 1.12 miles of new underground cable/conduit along Boca Chica Blvd.
- 1 mile of overhead cable along South Vermillion Ave., with construction expected in Q4 2025.

To improve reliability, BPUB personnel conducted a patrol of the overhead distribution circuit serving the Airport, identifying 120 issues, and initiated preventive maintenance based on the recommended improvement findings. As of August 18, BPUB has completed 83% of the maintenance work, including 28 tree trimming jobs, 10 pole replacements, and attachments such as lightning arresters (11), transformers (9), and fog bowl insulators (174). BPUB is committed to implementing preventive maintenance strategies to minimize system outages and enhance feeder reliability. This includes the purchase and installation of 12 fault indicators at strategic locations back in January 2025 to aid outage troubleshooting.