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City of Brownsville Overview

- Located along Rio Grande (25 miles inland from the Gulf of Mexico)
- Largest city in the Rio Grande Valley of Texas (Population: 189,000)
- Major Manufacturing/Commercial Center
- Deep Water Sea Port
- Three International Bridge Crossings



Services

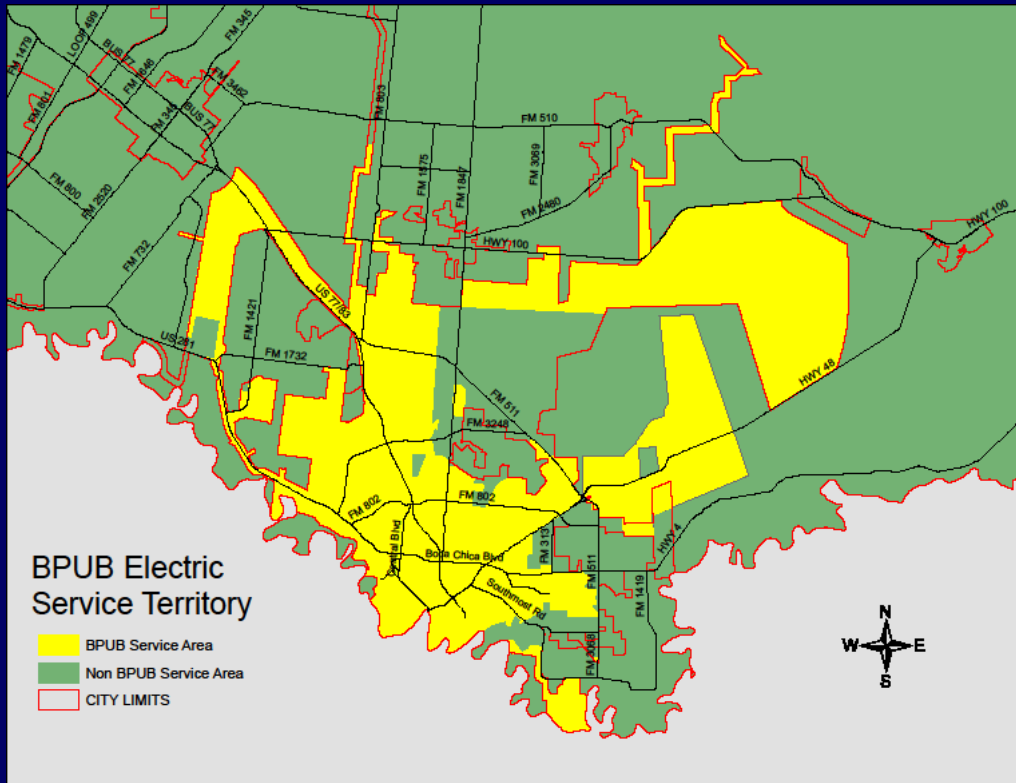
- Full Service Provider of Electric, Water & Wastewater Services
- Customers
 - Electric: 45,632
 - Water: 46,446
 - Wastewater: 45,915
 - Bills mailed 59,631
- \$166.2 Million in Operating Revenues
- 492 Employees



Structure



BPUB Electric Service Area



3 Electric companies :

Muni – BPUB

Coop – Magic Valley

IOU – AEP

2 Water companies:

BPUB & El Jardin



BROWNSVILLE
PUBLIC UTILITIES BOARD

BPUB Electric System

- Service Territory: 59 square miles
- Peak: 277 Megawatts
- Transmission: 48 miles
- Distribution: 715 miles
- Substations: 14



Water Wastewater System

- Number of employees: 170
- Water Treatment Plants: 3
- Ground water tank: 1
- Above ground water tanks: 4

- Waste Water Treatment Plants: 2
- Waterlines: 623 miles
- Raw waterlines: 24 miles
- Sewer lines (gravity): 513 miles
- Sewer lines (force main): 89 miles
- Sewer Lift Stations: 170



The American Recovery & Reinvestment Act of 2009

- ARRA funds available to BPUB: \$46,140,492.
- Brownsville Designated Disadvantaged Community - fund 100% grant.
- 30 days to complete plans and specifications.

Advanced Metering Project

- An AMI Feasibility Study is underway by UtiliWorks and B PUB staff.
- The goal is to deploy a “Smart Metering” or Advanced Meter Infrastructure (AMI) System encompassing all water and electric meters. The AMI system will provide detailed and accurate measurement of all water and electricity usage . This information will benefit residential and commercial customers by providing modern tools enabling BPUB to improve services, lower costs and maximize the efficiency of the water and electric infrastructure systems.
- Approximately 50,000 electric & 50,000 water meters.
- Estimated cost of \$17 - \$21 million.



Payment Kiosks

- Payments at BPUB for 2009

• Walk-ins	123,025	18.11%	
• Drive up	147,003	21.64%	
• Drop Box	47,385	6.98%	46.73%
• BPUB Mail	6,759	1.00%	
• Lock Box Mail	95,226	14.02%	
• Wire Transfers	3,845	0.57%	
• APS (HEB)	109,273	16.09%	
• Fidelity	44,053	6.49%	
• EFT	38,871	5.72%	
• On-line	53,101	7.82%	
• IVR	6,291	0.93%	



Payment Kiosks

- Due to the high walk-in traffic, BPUB is investigating the option of payment kiosks.
- Locations
 - BPUB lobby as a self service option
 - Replace Drop Boxes
 - Possibly at local banks or the mall
- Working with TELeasy
- Hope to implement in 2010



CIS Upgrade – Cayenta 7.5

- Generic Portal – Consolidates application business functions into individual consoles and allows “statistics pane” that is configurable for individual statistics. (Example: Meter Tampering Portal & Statistics)
- Rate Management Console - Centralized screen for maintaining and creating Bill Codes (Rate Setup)
- Rate Modeling Process – Feature allows the modeling of rates and compares results to determine how Bill Code may perform over the entire customer base.



CIS Upgrade

- Schedule Portal – Provides a calendar view to define and set cycle schedules for meter reading and billing.
- Service Order Console – A dispatching tool that will allow the scheduling and dispatching of service orders.
- Field Overrides – user defined masking rules.
- Security – User Login improvements.
- Archiving – Basic archiving tools for old data.



Go Green ver. 2.0

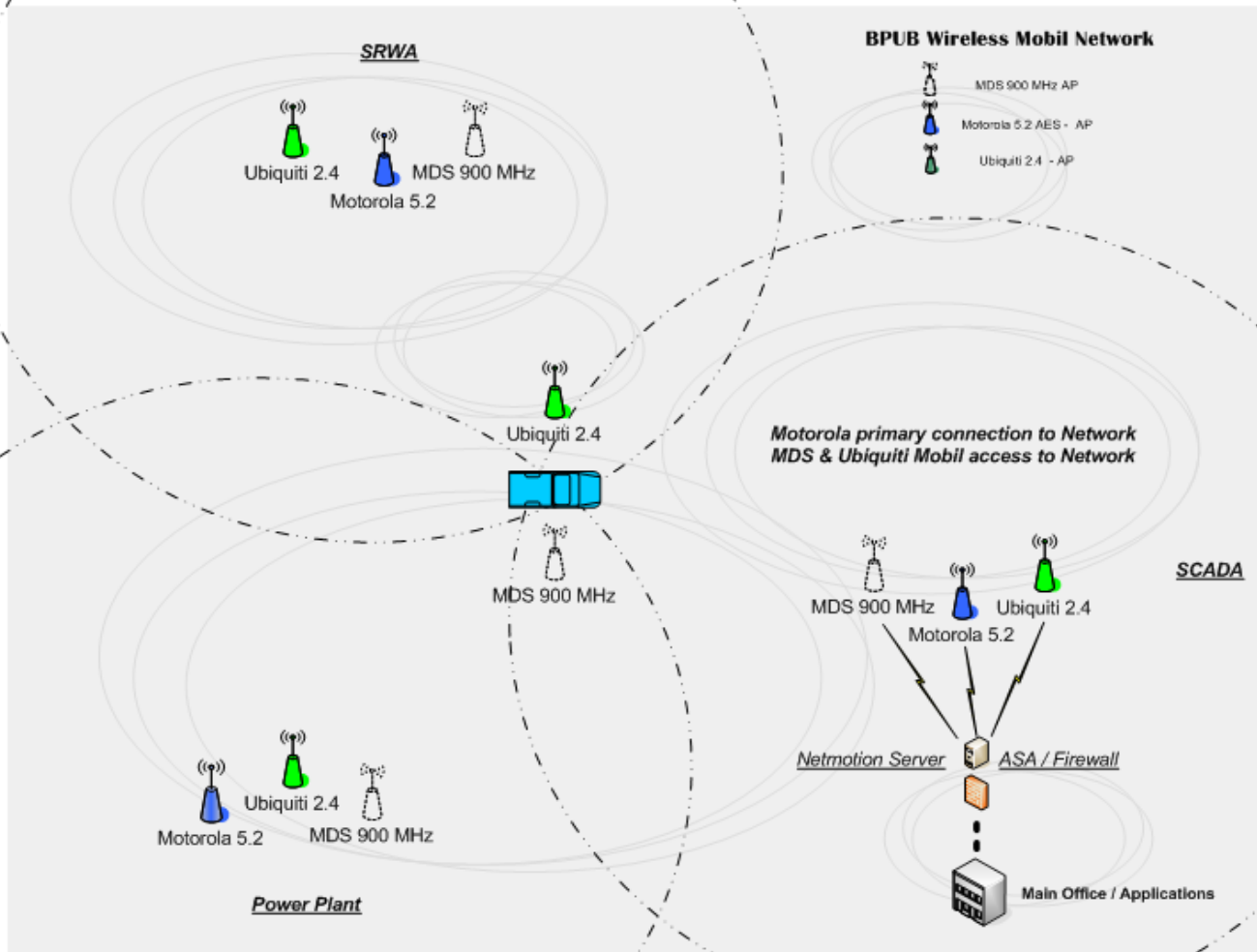
- Re-launching our Go Green efforts.
 - CFL give-away program
 - Community outreach
 - AC rebate program
 - On-line Energy Audits with Apogee
 - Go Green website page
 - E-Bill - 3,629 6.1% of customers
 - E-Pay – 3,095



Radio Project

- Goal – to provide our employees in the field access to all their programs. (CIS, GIS, FMIS, etc.)
- R&D project for the last 5 years.
 - 28 Points in the field (want 40)
 - 9 under construction
 - 3 different types of radios





Radio Project

- Actual uses . . . so far.
 - Mobile data access
 - Electrical is using the network to remotely access capacitor banks and reclosure switches.
 - Water & Sewer departments are using the network to remotely access alarms for chemical spills.

