BTU PRESENTATION TO THE CITY COUNCIL

JULY 28, 2020





BTU BOARD OF DIRECTORS

Flynn Adcock— Chairman

Bentley Nettles – Vice Chairman

Rosemarie Selman – Secretary

Carl L. Benner

Pete Bienski, Jr.

Paul Madison, Sr.

Paul Turney

Buppy Simank – ex-officio

Jason Bienski – ex-officio

AGENDA

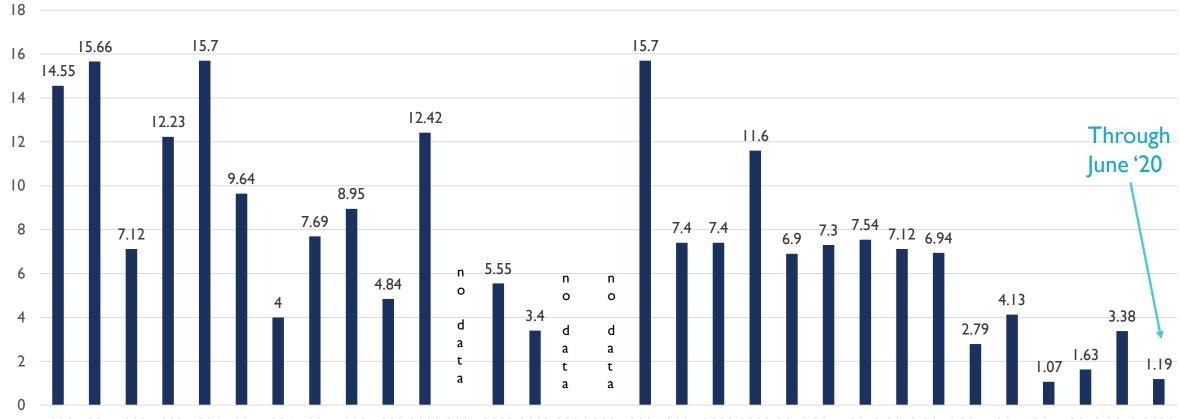


- BTU Departments
 - FY20 Accomplishments
 - FY21 Projects
- ☐ Financial Metrics and FY21 Proposed Budget

SAFETY



Incident Rate

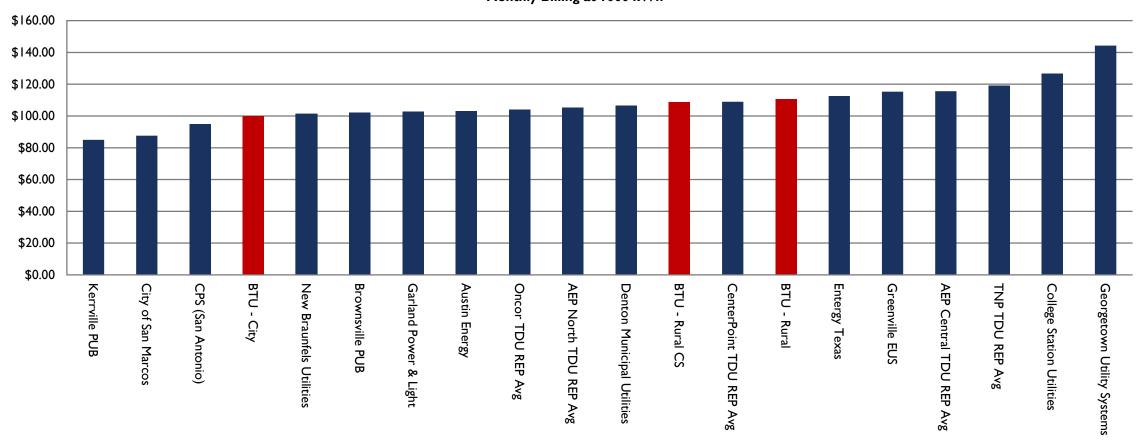


1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020



RATE COMPARISON

BTU City Residential Billing Comparison Average Annual Rate Monthly Billing at 1000 kWh









BUSINESS AND CUSTOMER OPERATIONS





CUSTOMERS ENROLLED IN SPECIAL PROGRAMS (FY19 DATA)

Bank Draft

- Automatically drafts payment from bank account
- 9,524 participants; up 4 %

E-Billing

- Paperless; electronic statements sent to customers
- 13,144 participants; up 32%

Pay Arrangements

- Schedules installments for past due payments
- 219 participants

Medical Alert

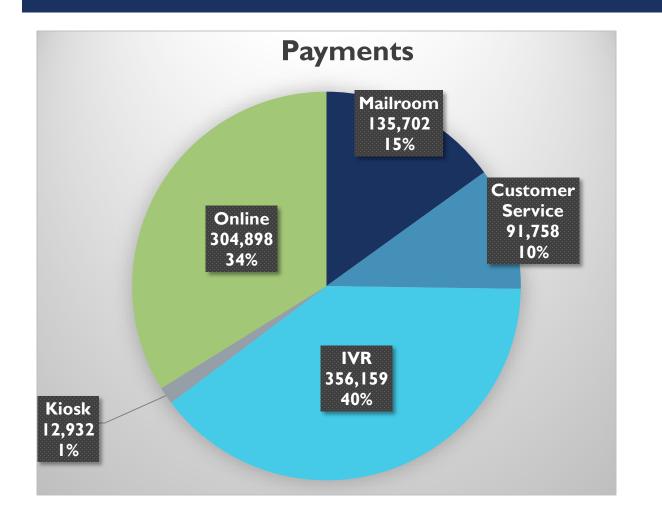
- Identifies customers that have a medical necessity for electricity
- 100 participants

Budget Billing

- Allows customers to be billed based on average historical usage
- 558 participants



CUSTOMER SERVICE (FY 19 DATA)



Total Number of Calls
114,798
Avg. 55 calls/hour

Average Hold
Time
28 seconds

Service Orders 64,339 Avg. 247 /day









- Energy efficiency incentive payments to residential customers
- Rebated FY20 (through 7/1/20): \$53,525.74
- kW saved FY20 (through 7/1/20): 53.60kW

Smart BUSINESS saving makes sense

- Energy efficiency incentive payments to commercial customers
- Rebated FY20 (through 7/1/20): \$76,603.96
- kW saved FY20 (through 7/1/20): 93.12kW

- ☐ Facilitated interconnection of 51 solar installations
 - Oct. 2019 thru July 2020
- ☐ Total of approximately 180 installations system wide



PUBLIC COMMUNICATIONS FY20 ACCOMPLISHMENTS



- ☐ Received two APPA Excellence in Communication Awards
 - Award of Merit in Video Category for Summer Energy Tips video
 - Award of Excellence in Print Category for 2018 Annual Report
- ☐ Produced monthly Texas Co-op Power Magazine
- Produced monthly Plug-In (bill insert)
- Social Media
 - Twitter | 1,478 followers | up 39% @BTU_BryanTX
 - Facebook | 4,144 followers | up 37% @BryanTexasUtilities



BTU Awarded Reliable Public Power Provider Diamond Designation



Bryan Lexas Utilities (BLIV) has been awarded the Reliable Public Power Provider (RP3³) Jammond designation by the American Public Power Association (APPA) for a third consecutive three-year term. BTU received a score of 100 percent on the evaluated criteria. BTU was first awarded the APPA RP3⁸ biamond designation in 2014. This prestigious award recognizes industryleading public utilities who provide reliable and safe electric service to their customers. Criteria for consideration also includes workforce development and a utility-wide commitment to system improvement.

The reliability metric certifies that not only can customers expect steady and reliable power, but also that the utility invests in various measures to ensure that reliability. This includes collecting and analyzing outage data, having a mutual aid agreement with other utilities to restore power in the case of natural disaster or extreme weather event, creating and utilizing a disaster management or emergency response plan, and implementing high-level cyber and physical security measures.

A strong safety culture is very important to BTU and is a highlighted metric for the RPS* award. Standards measured for the RPS* award. Standards after the RPS* award include having an accepted safety manual that is used throughout the utility and implementing ingorous safety training in all departments from power generation to line and office work. Utilities must also record and benchmark safety data.

The workforce development piece of the RP3* application prompts utilities to explain how staff is trained and how networking with other public power entitles is encouraged. This training and networking helps to grow a knowledgeable and experienced staff. BTU employees are trained at workshops, conferences, and through inhouse training focusing on a veriety of industry topics. Employees also participate in local, state, and federal industry associations and planning committees.

The final category is system improvement. This encompasses inon-term planning for distribution system design and improvements as well as financial planning and assessments. This category measures and encourages research and development programs to produce procedures and utility quidelines for future sound business practices.

"We are honored to be recognized once again at the highest level, Diamond designation, of the Reliable Public Power Provider award," said Gary Miller, General Manager of BTU. The Board of Directors and the staff of BTU consider reliability and safety to be of the utmost importance to our organization as we serve the community. To have our efforts acknowledged by the PBS* Preview panel is very rewarding to all of to at BTU."



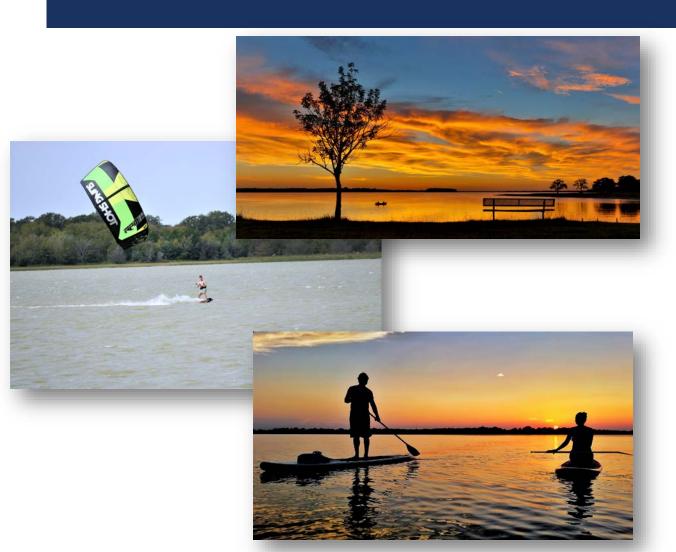
LAKE BRYAN FY20 ACCOMPLISHMENTS

- Updated Lake Bryan Ordinance, approved by Council
 - Streamlined with Parks' Ordinances
 - Clarified rules that allow for citations to be written to violators, improving safety
- Constructing new bathroom facilities near the restaurant and boat ramp (completion Sept. 2020)
- Restored sand volleyball court
- Texas Parks and Wildlife fertilized the lake for improved game fish habitat
- Installed pipe fencing to secure park and reduce erosion
- Implemented major point-of-sale software upgrade



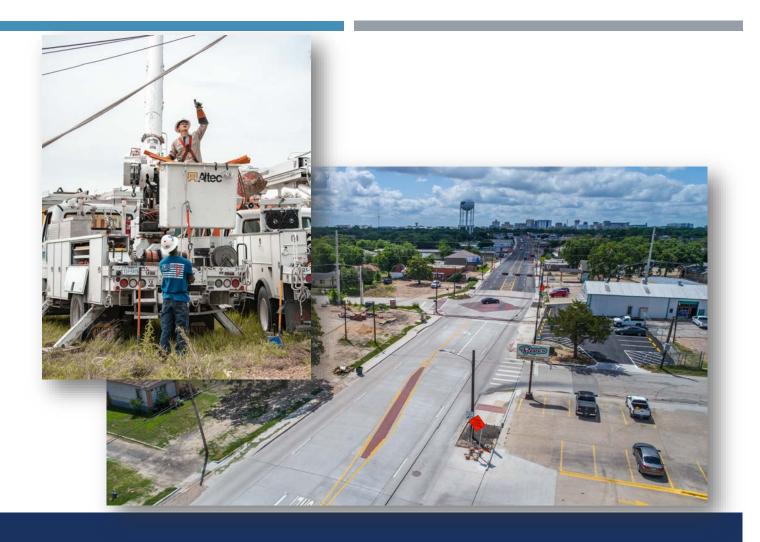
LAKE BRYAN FY21 GOALS





- ☐ Consider adjusting rate structure to follow other parks more closely (state parks, comparable private parks)
- Work with potential vendors to bring more amenities and events to Lake Bryan
- Create and manage social media pages for Lake Bryan
- Replace weathered park equipment and improve facilities

ENGINEERING



ENGINEERING FY20 ACCOMPLISHMENTS



- Completion of a ten-year Distribution Planning Study
- Design of S. College overhead to underground conversion (Villa Maria to Carson)
- Design of Texas Ave. overhead to underground conversion phase I of 3 - From SH2I to Dodge St. (2.1 miles)
- Design feeders for Leonard Road Substation second transformer
- Design upgrade of Atkins feeder along 2818 from Villa Maria to Traditions Dr. (1 mile)
- □ Design upgrade of Atkins feeder along Carson St from railroad to Texas Ave. Double circuit capable (0.7 miles)
- Design upgrade & reroute underground feeder from Osborn along SH6 to MLK (0.5 miles)
- Design upgrade of Kurten feeder along FM2038 from Ferrill Creek Rd to Kurten Substation (1.5 miles)
- ☐ 1,414 line design jobs created Oct., 2019 to July 23, 2020



ENGINEERING FY21 GOALS



- Design of overhead to underground conversion along S.
 College from Carson to Homestead (1.1 miles)
- ☐ Design of overhead to underground conversion along Texas Ave. from Cooner Street to Villa Maria (1.5 miles)
- Design Leonard Rd Substation express feeder to Sanderson Farms (0.50 miles)
- Design upgrade of North Substation feeder along N. Bryan
 & 16th from 22nd to SH21 (0.9 miles)
- Design new feeder getaways at Koppe Bridge Substation
 (2.1 miles)
- Design double circuit along FM2154 from Wellborn Substation to Straub Rd. (4 miles)
- Design upgrade of Steephollow feeder from Steephollow Substation to FM2038 S. (5.5 miles)
- ☐ Implement 12-year Underground Cable Testing Program



DISTRIBUTION



DISTRIBUTION FY20 ACCOMPLISHMENTS





Completion of LED streetlight conversion



Continuation of overhead to underground conversion on WJB Pkwy



Completion of distribution lines for new Leonard Rd. Substation (Phase I)



Completion of distribution lines for the new power transformer at Wellborn Substation



Implementation of Mobile Workforce Management software



Continuation of the Pole Replacement Program



915 jobs released to be constructed from line design from Oct 1, 2019 to July 23, 2020

DISTRIBUTION FY21 GOALS



- Completion of overhead to underground conversion on William J. Bryan
- □ Begin overhead to underground conversion along
 S. College Ave. (phase 2)
- Begin overhead to underground conversion along Texas Ave. (phase 1)
- Begin construction of Distribution Service Center
- Keep pace with new construction requirements



TRANSMISSION



TRANSMISSION FY20 ACCOMPLISHMENTS





Completed design of Shady Lane Substation to replace existing aging substation



Began CCN process to obtain PUC approval for the Steele Store to Cooks Point 138kV line



Completed relocation of infrastructure for TxDOT road-widening project along FM 2818 & Luther St.



Completed design and began site preparation for Leonard Road Substation



Completed construction of 10-mile 138kV line between Snook and Steele Store Substations



Completed construction of Rodgers Substation to replace Nall Lane Substation and allow for TxDOT project on WJB



Developed conceptual plan and began engineering for potential new switching station on the RELLIS Campus



Acquired easements and materials for new 138kV loop between Steele Store and Smetana Substations



Completed design to add a distribution bay for power transformers at Steephollow and Wellborn Substations

TRANSMISSION FY21 GOALS



- Complete rebuild of 69kV line from Rodgers to Rayburn Substations
- Begin construction at Wellborn Substation to add a distribution bay and a power transformer
- Complete design of a switching station on the RELLIS campus needed to support additional load growth
- □ Completion of CCN process to obtain PUC approval for the Steele Store to Cooks Point 138kV line
- Begin construction of Smetana Substation to replace existing Annex and Silver Hill Substations
- Begin construction on new 138kV line to connect Steele Store and Smetana Substations





PRODUCTION

PRODUCTION FY20 ACCOMPLISHMENTS





DANSBY Unit #1







PRODUCTION FY20 ACCOMPLISHMENTS









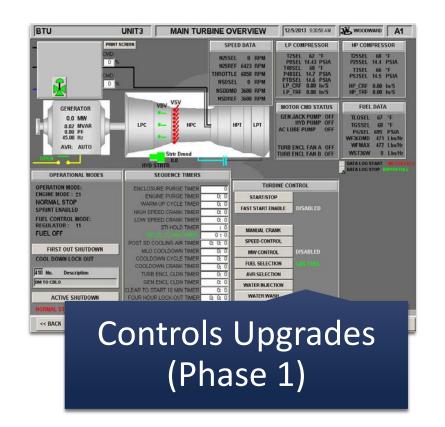


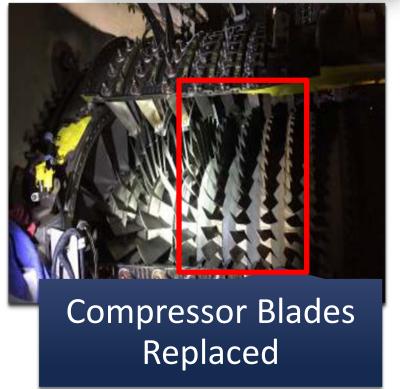
PRODUCTION FY20 ACCOMPLISHMENTS







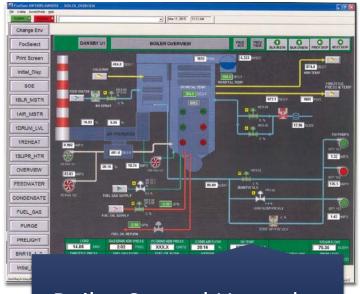




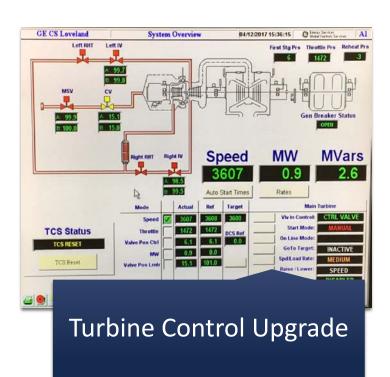
PRODUCTION FY21 GOALS



■ DANSBY Unit #I



Boiler Control Upgrades

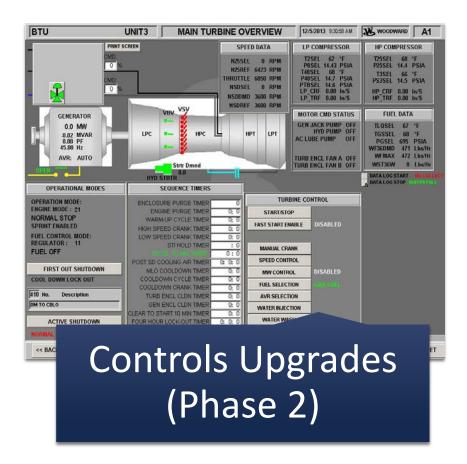


480 V Switchgear Breaker Replacement (Phase 2)

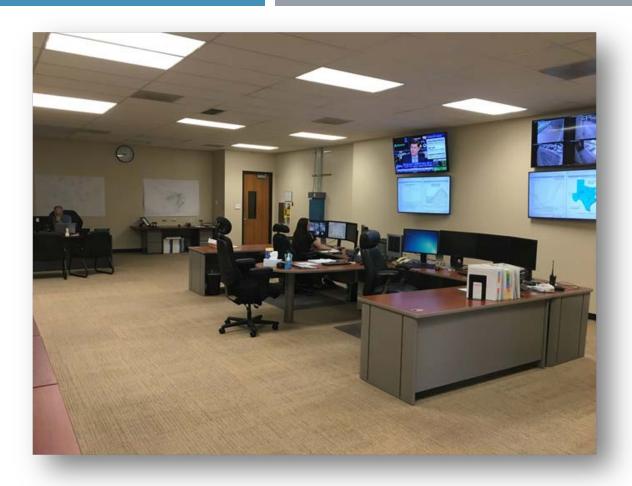
PRODUCTION FY21 GOALS



□ DANSBY Unit #3



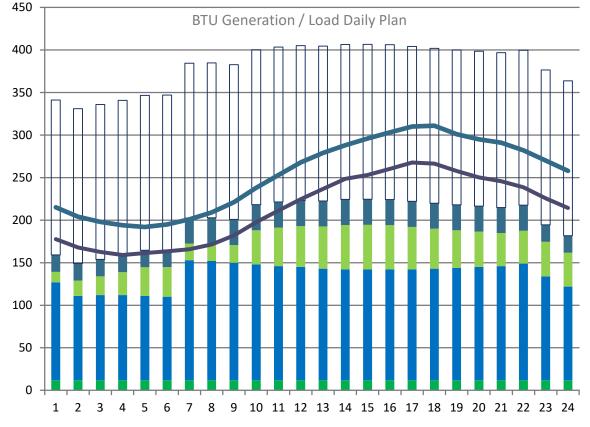
QUALIFIED SCHEDULING ENTITY (QSE)



QSE FY20 ACCOMPLISHMENTS



- □ In August 2019 record ERCOT prices combined with reliable performance of BTU's Generation Fleet resulted in BTU's lowest monthly fuel cost in recorded history
- □ Renegotiated a gas supply contract that allows BTU to better utilize Dansby and Atkins power plants
- ☐ Added ConocoPhillips as a trading partner
- Successfully leverages market prices to maintain stable and low energy prices for BTU customers



QSE FY21 GOALS

- ☐ Resource Planning
 - Determine adequacy of supply to 2027
 - Evaluate procurement of additional supply for 2028 and beyond
- ☐ Pursue sale/decommissioning of Gibbons Creek Plant
- Extend Wholesale Customers
 - Maverick County Water Control and Improvement District #1 QSE services contract expires at the end of 2021



REGULATORY COMPLIANCE



REGULATORY COMPLIANCE

Interact regularly with these agencies:















- NERC Reliability Standards
- Texas RE Reliability Monitor
- ERCOT Protocols & Operating Guides
- ☐ TCEQ & EPA
 - Federal Operating & Standard Permits
 - Air Permits
- TCEQ Wastewater Permit
- TCEQ Brazos Watermaster
- ☐ TCEQ Dam Safety
- Texas RRC Natural Gas Pipelines
- US DOT Natural Gas Pipelines
- TxDOT
- Public Utility Commission of Texas



REGULATORY COMPLIANCE

Texas RE 2020 Audit:

- □ NERC Audit of BTU Transmission Operations
- □ First completely off-site virtual audit performed by TRE March 16 27
 - ☐ Working with TRE and staff to process outcomes
 - ■BTU must comply with more than 430 NERC requirements
- ☐ Approximately 25 direct participants from BTU
 - ☐ Transmission Operations and Information Technology







FISCAL / RISK

FISCAL / RISK FY20 ACCOMPLISHMENTS



- ☐ Clean external audit opinion
- ☐ Annual CIP & O&M budget development
- Completed Business Continuity Plan
- ☐ Implemented upgraded Laserfiche travel form process for all department with written procedures
- Implemented rate adjustments
- ☐ Completed 5-year Pro Forma
- Completed internal audit
 - Developed capital budgeting improvements
 - Completed review of Risk technology improvements



FISCAL / RISK FY21 GOALS



- Implement Kronos time keeping systems
- ☐ Submit transmission cost of service interim rate filing
- ☐ Issue bonds to support BTU City System transmission projects and the Distribution Service Center
- Implement documentation process for bond-funded projects
- ☐ Implement digital p-card submittal process
- □ Develop a streamlined approach to process Texas
 Electric Cooperative invoices (warehouse)





ADMINISTRATION

ADMINISTRATION FY20 ACCOMPLISHMENTS



- Coordinated and implemented company-wide business continuity plans
- Implemented recommendations from Baker Tilly internal audits
- ☐ Completion of Strategic Plan
- Awarded Reliable Public Power Provider (RP3)
 Diamond Designation by American Public
 Power Association (APPA) for third
 consecutive cycle
 - Scored 100% on the evaluated criteria





ADMINISTRATION FY21 GOALS



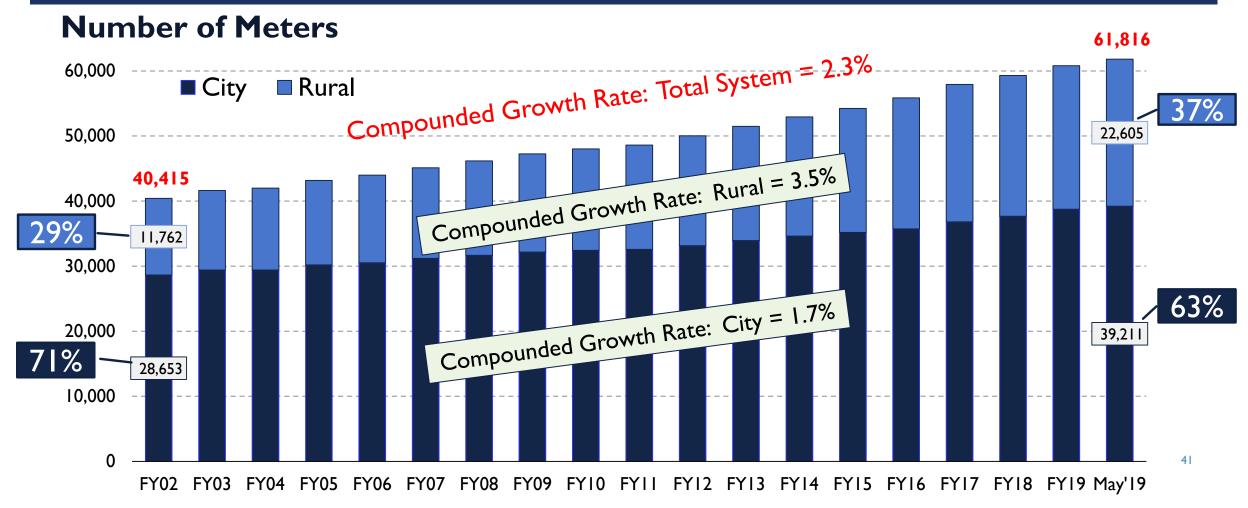
- ☐ Continue evaluation and pursuit of TMPA sale or decommissioning
- ■Pursue engineering and design of new administration building



5-YEAR PRO-FORMA KEY FINANCIAL RATIO FORECAST

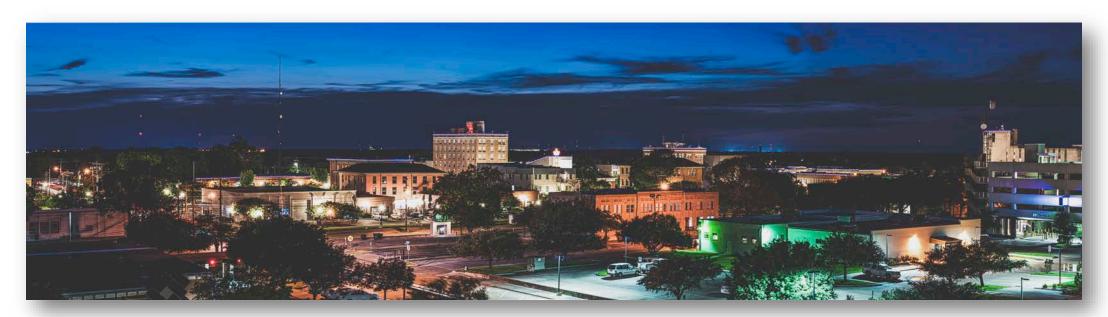
THE DIFFERENCE IS YOU

CUSTOMER COUNTS CONTINUE STEADY GROWTH





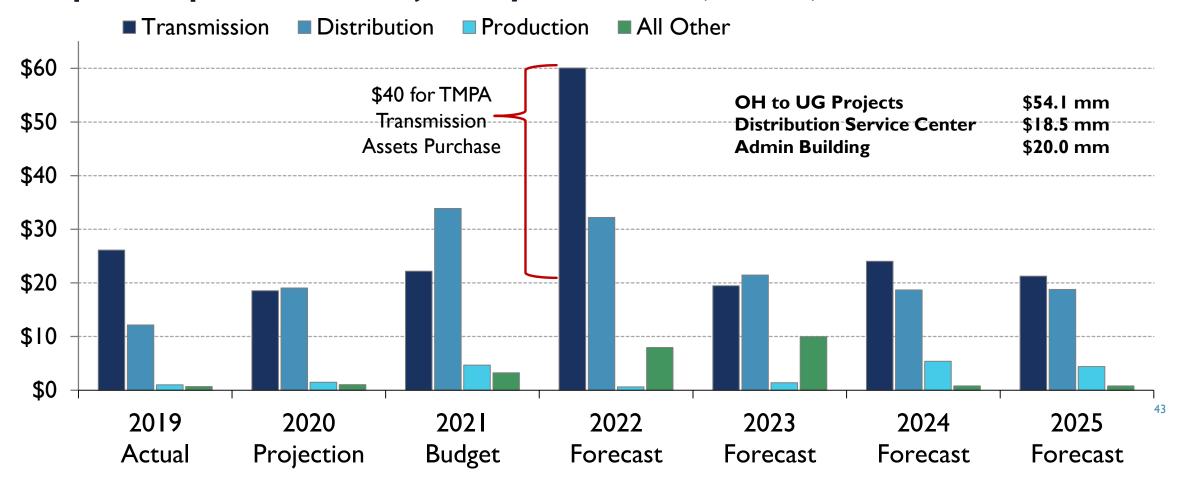
CITY SYSTEM





CIP BUDGET – CITY SYSTEM

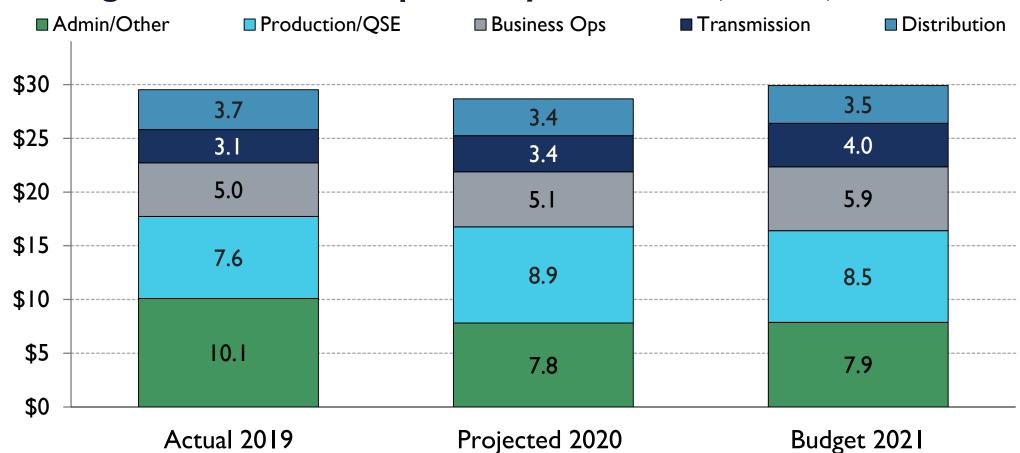
Capital Improvement Projects by Fiscal Year (\$ millions)





O&M BUDGET – CITY SYSTEM

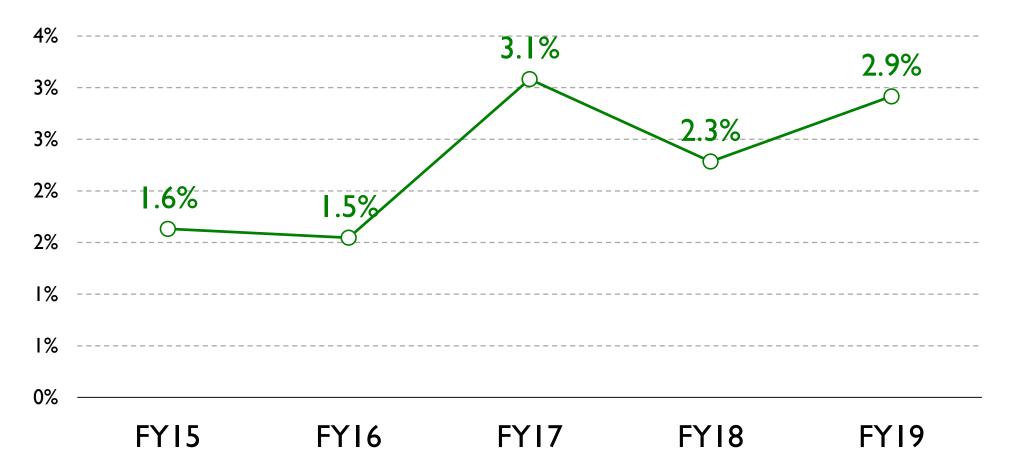
Operating & Maintenance Expenses by Fiscal Year (\$ millions)





CITY SYSTEM GROWTH RATE TRENDING UPWARD

Year over Year Meter Growth Rates

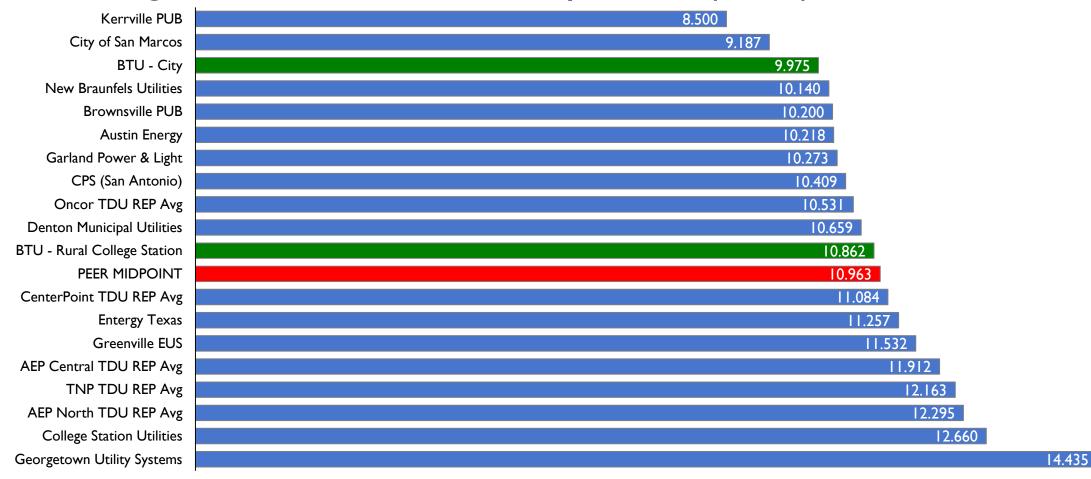




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CITY SYSTEM RATES BELOW PEER MIDPOINT

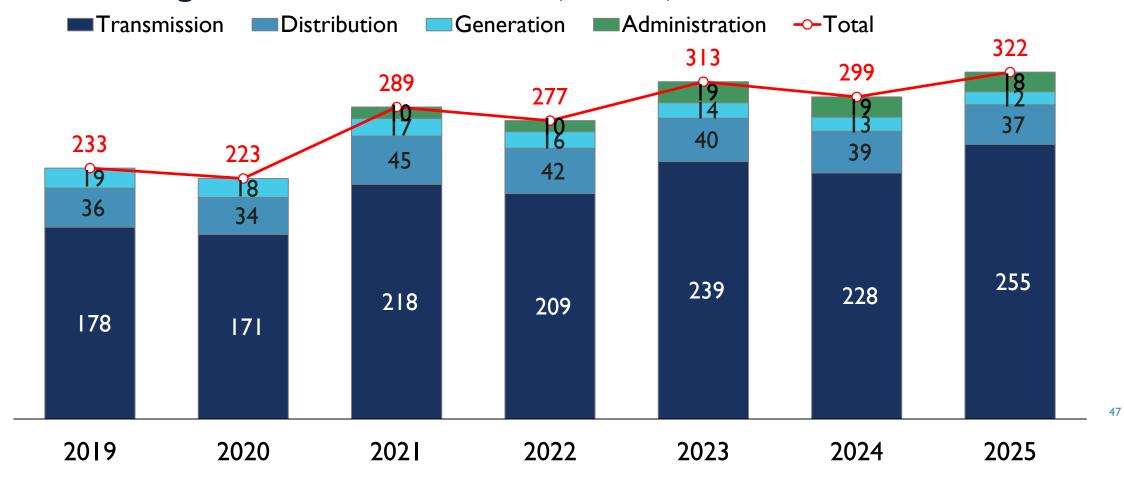
2020 Average Residential Rates - I,000 kWh per month (¢/kWh)





CITY FUTURE DEBT ISSUANCES IN '21, '23, & '25

Outstanding Debt at Fiscal Year-End (\$ millions)

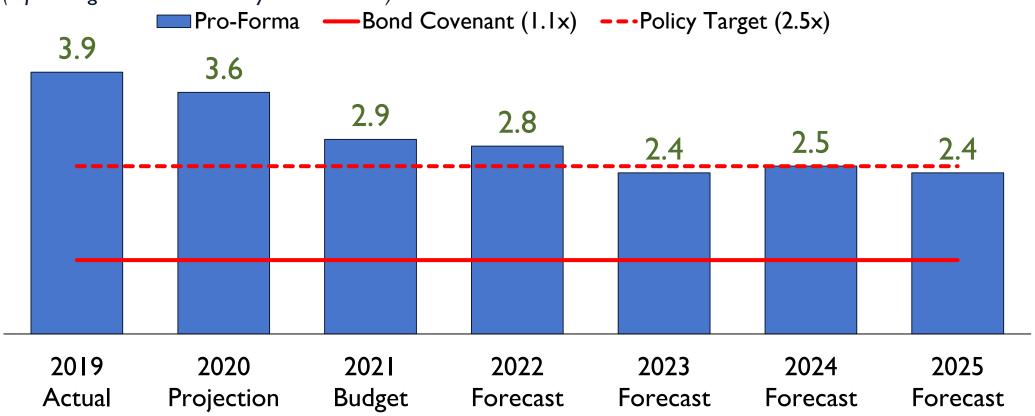




CITY HAS SUFFICIENT ABILITY TO SERVICE DEBT

Debt Service Coverage Ratio

(Operating Income divided by Debt Service)



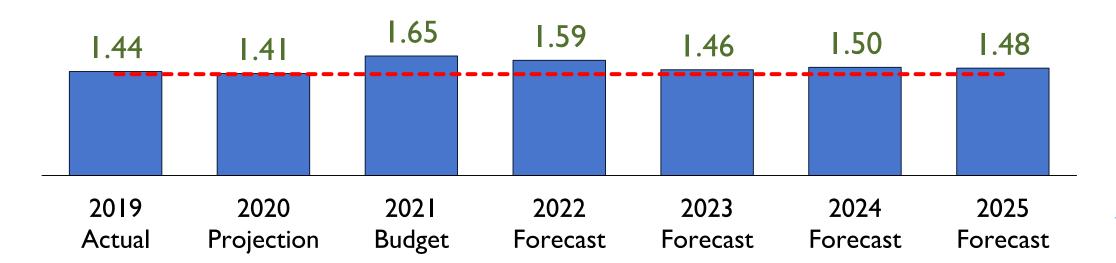


STABLE COVERAGE FOR ALL DEBT-LIKE OBLIGATIONS

Fixed Charge Coverage Ratio

(Operating Income less Fund Transfers plus Capacity Payments, divided by Total Debt Service and Capacity Payments)







CITY LIQUIDITY STAYS ABOVE 200 DAYS

Days Cash on Hand - City System

(Unrestricted Cash, divided by Operating Expenses and General Fund Transfer, times 365 days) Pro-Forma —Policy Target (175 days) 231 218 214 214 209 208 202 2019 2020 202 I 2022 2023 2024 2025 Projection **Forecast** Actual Budget Forecast **Forecast** Forecast Unrestricted \$82.2 \$77.9 75.7 \$80.6 \$81.6 76.8 75.7 Cash (\$M)

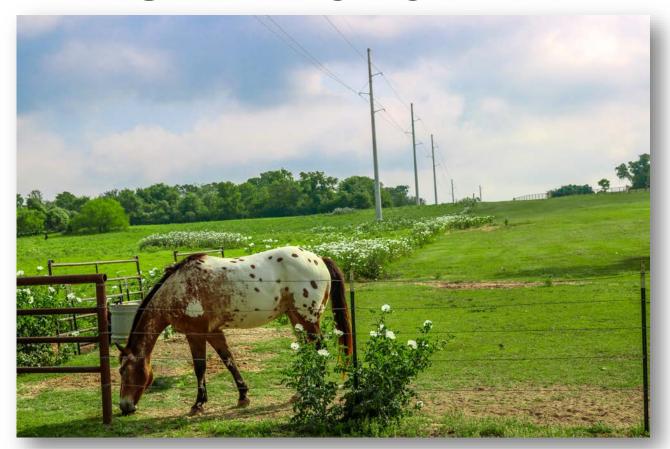


SUMMARY – CITY SYSTEM

- Maintain liquidity to fund increased investments in system improvements
- Complete long deferred projects
- Include City Council directed initiatives
- Bond fund positive cash flow Transmission projects
- TMPA Generation & Mine sale would improve financial metrics



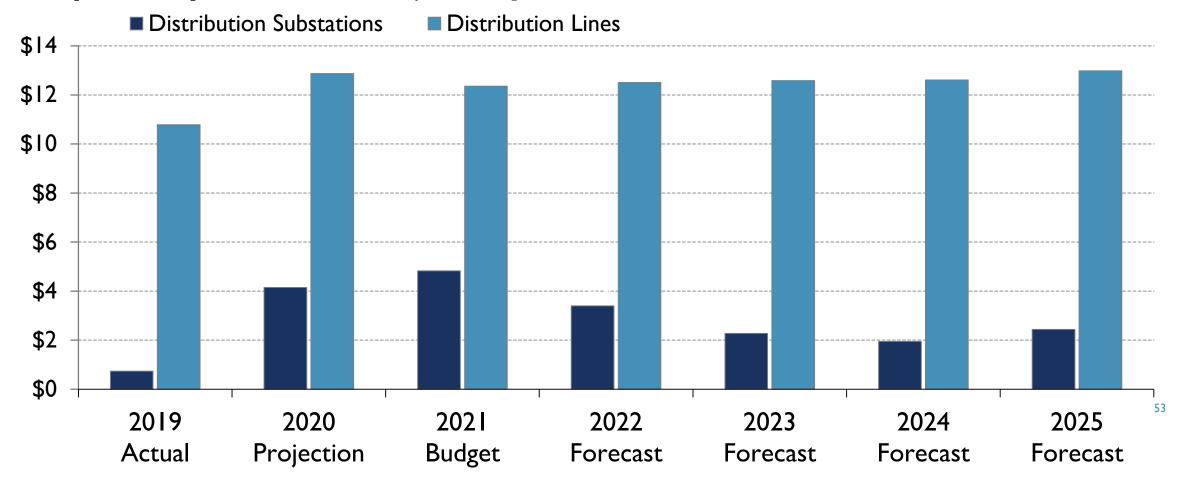
RURAL SYSTEM





CIP BUDGET – RURAL SYSTEM

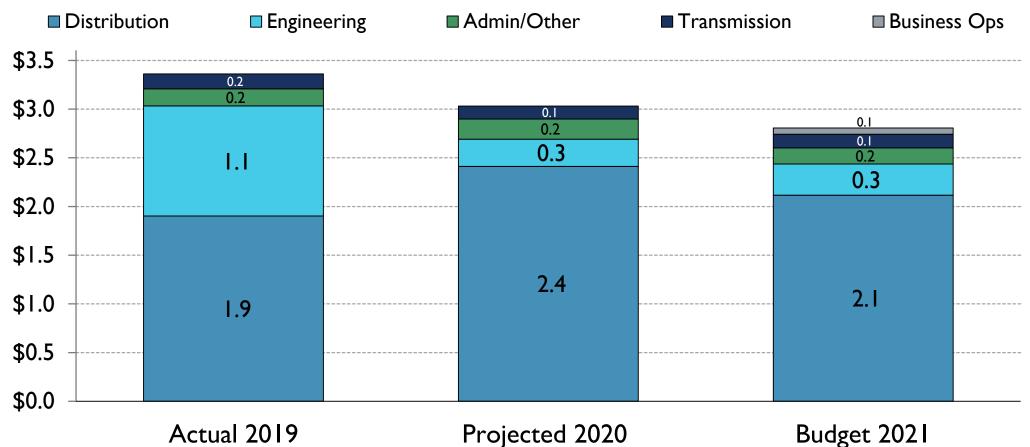
Capital Improvement Projects by Fiscal Year (\$ millions)





O&M BUDGET – RURAL SYSTEM

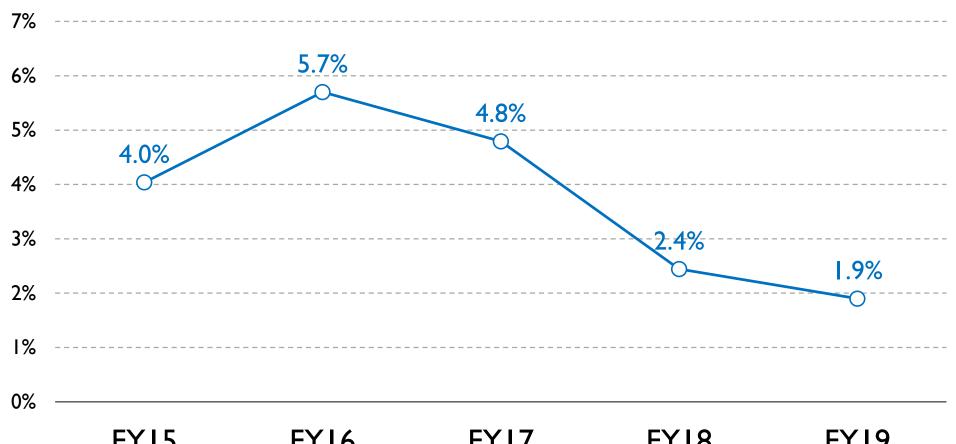
Operating & Maintenance Expenses by Fiscal Year (\$ millions)





RURAL SYSTEM GROWTH RATE DECLINING

Year over Year Meter Growth Rates





RURAL SYSTEM RATES BELOW PEER MIDPOINT

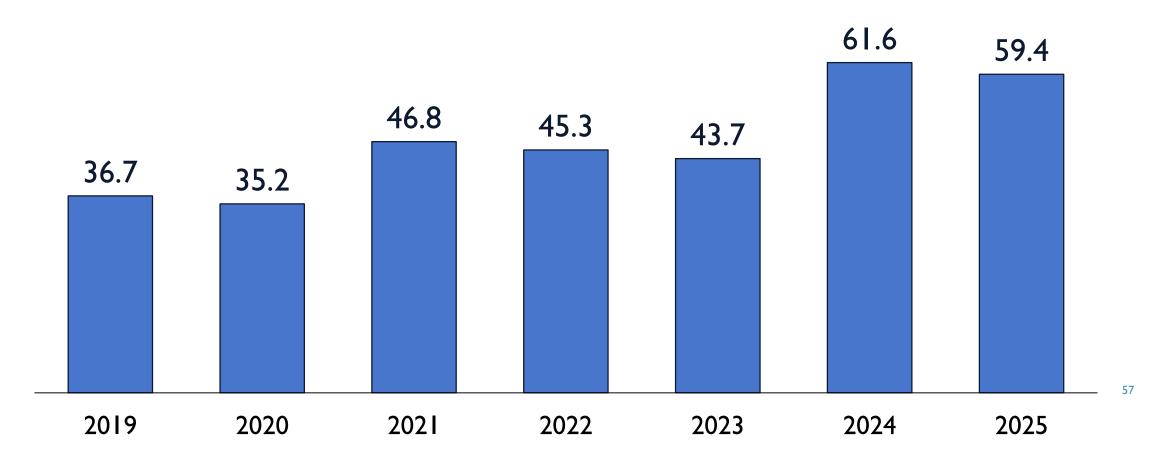
2020 Average Residential Rates - I,500 kWh per month (¢/kWh)

Guadalupe Valley EC	10.076
Navasota Valley EC	10.083
Pedernales EC	10.118
Bluebonnet EC	10.248
BTU - Rural	10.650
Mid-South Synergy	10.977
Peer Midpoint	11.323
Heart of Texas EC	11.856
San Bernard EC	12.700
Fayette EC	12.846
Bartlett EC	13.000



RURAL FUTURE DEBT ISSUANCES IN '21 & '24

Outstanding Debt at Fiscal Year-End (\$ millions)

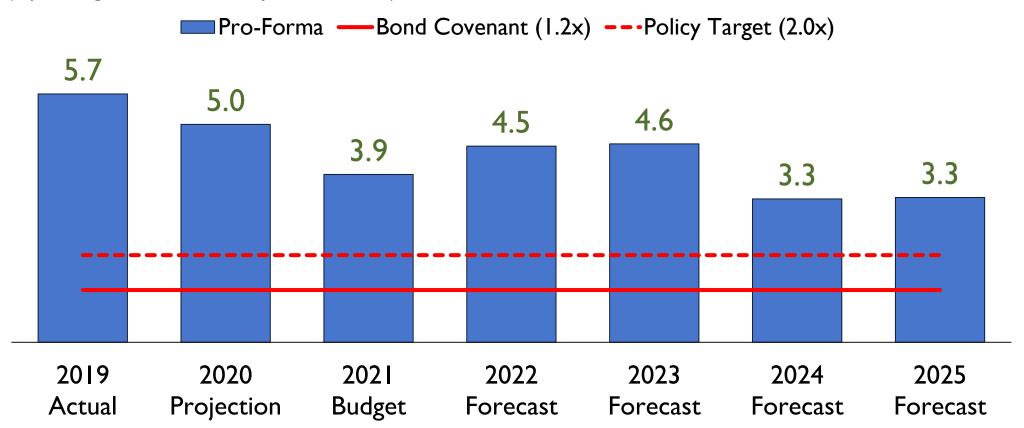




RURAL MAINTAINS ABILITY TO PAY DEBT SERVICE

Debt Service Coverage Ratio

(Operating Income divided by Debt Service)

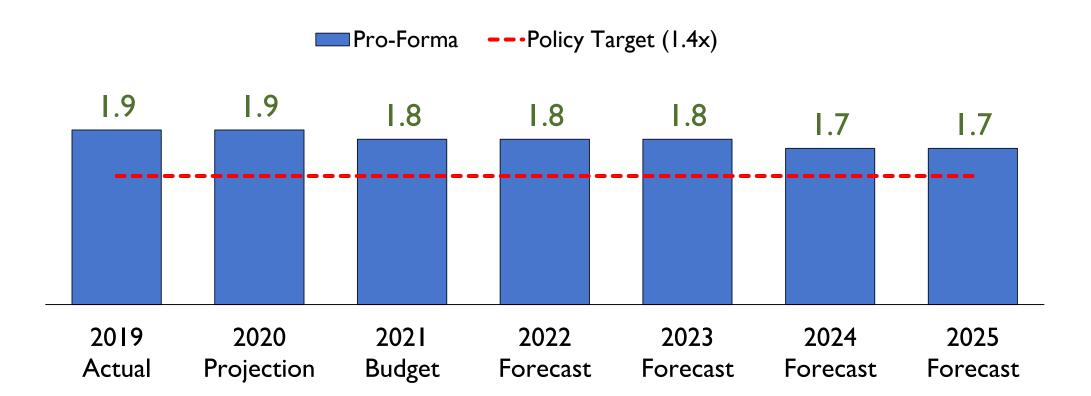




RURAL HAS STABLE COVERAGE OF FIXED CHARGES

Fixed Charge Coverage Ratio

(Operating Income plus Base Purchased Power, divided by Debt Service and Base Purchased Power)

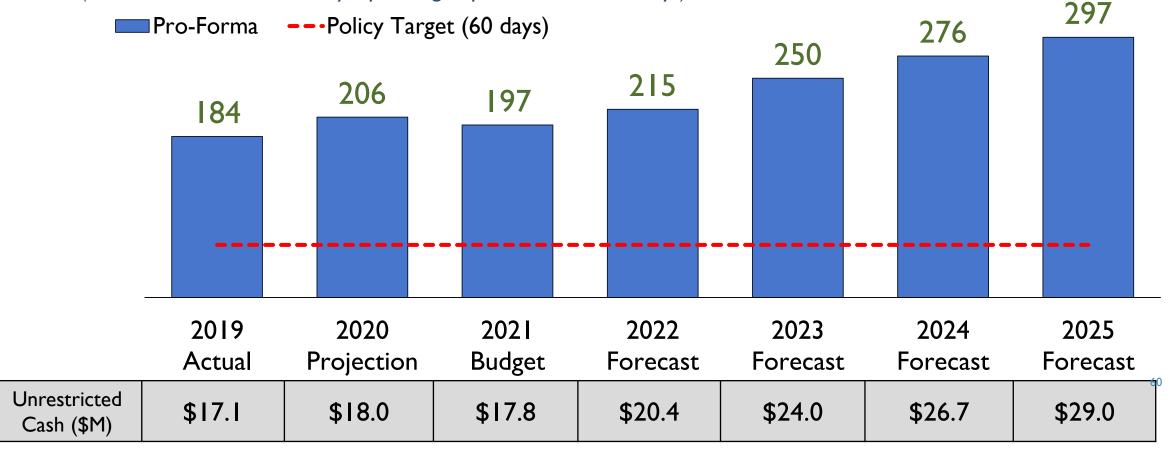




RURAL LIQUIDITY BUILDS IN LONG-TERM

Days Cash on Hand - Rural System

(Unrestricted Cash, divided by Operating Expenses, times 365 days)





SUMMARY – RURAL SYSTEM

- Debt coverage metrics declining but well above policy targets
- Increasing liquidity to continue system improvements
- Possibility to cash fund more capital expenditures
- Potential to reduce base rates during forecast period



FY21 Budget Approval & Summary





BTU CREDIT RATINGS

Modified	from	FY	9

	S&P		Fitch	
	Rating	Outlook	Rating	Outlook
City System	A+	Stable	AA-	Stable
Rural System	AA-	Stable	AA-	Stable

	S&P/Fitch	Meaning
	AAA	Prime
	AA+	
	AA	High Grade
_	AA-	
Investment Grade	A+	
Grade	А	Upper Medium Grade
	Α-	
	BBB+	
	BBB	Lower Medium Grade
	BBB-	

- **'AA'**—Very strong capacity to meet financial commitments.
- **'A'**—Strong capacity to meet financial commitments, but somewhat susceptible to adverse economic conditions and changes.



FY21 BUDGET PROPOSAL: CITY SYSTEM

	FY 2020 Budget		FY 2021 Proposal	
Revenues		_		
Operating Revenues				
Base - Retail	\$	48,523,700	\$	48,023,900
Base - Wholesale		15,662,400		15,397,800
Fuel Pass Through		78,386,800		68,136,900
Regulatory Charge Pass Through		16,623,300		18,816,500
Other Operating Revenue		34,574,400		38,218,800
Total Operating Revenue		193,770,600		188,593,900
Non-Operating Revenues				
Interest		2,807,700		819,900
Total Revenues		196,578,300	-	189,413,800
Expenditures				
Operating Expenses				
Energy Cost		78,386,800		68,136,900
Capacity Cost		-		792,000
TCOS Expense - BTU		16,623,300		18,816,500
TCOS Expense - Wholesale		2,466,000		2,489,700
Departmental Expenses		24,760,100		26,312,100
Admin Reimbursement to COB		3,751,500		3,815,800
Admin Reimbursement from COB		(1,968,200)		(1,886,200)
Total Operating Expenses		124,019,500		118,476,800
Non-Operating Expenses				
Annual Capital		27,235,000		31,895,000
General Fund Transfer		13,296,000		13,201,600
Debt Service		19,703,300		24,820,000
Total Non-Operating Expenditures		60,234,300		69,916,600
Total Expenditures		184,253,800		188,393,400
Net Increase (Decrease)		12,324,500		1,020,400
Beginning Unrestricted Cash		64,537,556		80,560,874
Transfer (to)/from other Funds		1,904,887		
Ending Unrestricted Cash	\$	78,766,943	\$	81,581,274
Number of Days of Unrestricted Cash		214		231
Rate Stabilization Fund - Ending	\$	1,772,858	\$	1,732,695
Other Reserve Funds - Ending	\$	17,070,443	\$	12,949,000

<u>CIP Summary</u>	FY 2020	FY 2020 Budget		FY 2021 Proposal	
Bonds Issued Capital Expenditures from Bonds Net Increase (Decrease)		- 23,715,000 23,715,000)	\$	82,700,000 32,111,000 50,589,000	
Beginning Bond Funds Ending Bond Funds		38,585,570 14,870,570	\$	20,852,631 71,441,631	



FY21 BUDGET PROPOSAL: RURAL SYSTEM

	FY 2020 Budget	FY 2021 Proposal	
Revenues			
Operating Revenues			
Base Revenue	\$ 28,347,200	\$ 27,384,800	
Fuel Pass Through	15,646,200	13,413,200	
Regulatory Charge Pass Through	5,125,600	6,131,600	
Miscellaneous	450,000	450,000	
Total Operating Revenues	49,569,000	47,379,600	
Non-Operating Revenues			
Interest Income	512,300	146,200	
Total Revenues	50,081,300	47,525,800	
Expenditures			
Operating Expenses			
Purchased Power - Base	10,969,100	10,504,700	
Purchased Power - Fuel	15,646,200	13,413,200	
Purchased Power - Regulatory Charge	5,125,600	6,131,600	
Departmental Expenses and Other	3,106,600	2,806,100	
Total Operating Expenses	34,847,500	32,855,600	
Non-Operating Expenses			
Annual Capital	12,202,500	11,059,000	
Debt Service	2,977,000	3,823,700	
Total Non-Operating Expenditures	15,179,500	14,882,700	
Total Expenditures	50,027,000	47,738,300	
Net Increase (Decrease)	54,300	(212,500)	
Beginning Unrestricted Cash	13,488,397	17,987,569	
Ending Unrestricted Cash	\$ 13,542,697	\$ 17,775,069	
# of Days of Reserve (60 day min)	142	197	

CIP Summary			
	FY 2020 Budget	FY 2021 Proposal	
Bonds Issued	\$ -	\$ 13,100,000	
Capital Expenditures from Bonds	5,744,500	6,122,000	
Net Increase (Decrease)	(5,744,500)	6,978,000	
Beginning Bond Funds	13,321,000	5,530,441	
Ending Bond Funds	\$ 7,576,500	\$ 12,508,441	



CONCLUSION

- ■BTU's goal of serving customers with reliable and reasonably priced electricity is exemplified in the departmental accomplishments and goals
 - Upgraded bond ratings
 - Fiscal responsibility
 - Load and customer growth
 - Investment in infrastructure
 - Customer experience improvement
 - Valuable reputation and customer service

