



**Brazos River Authority**



***Welcome To Our 2026  
Annual Water  
Customer Meeting***

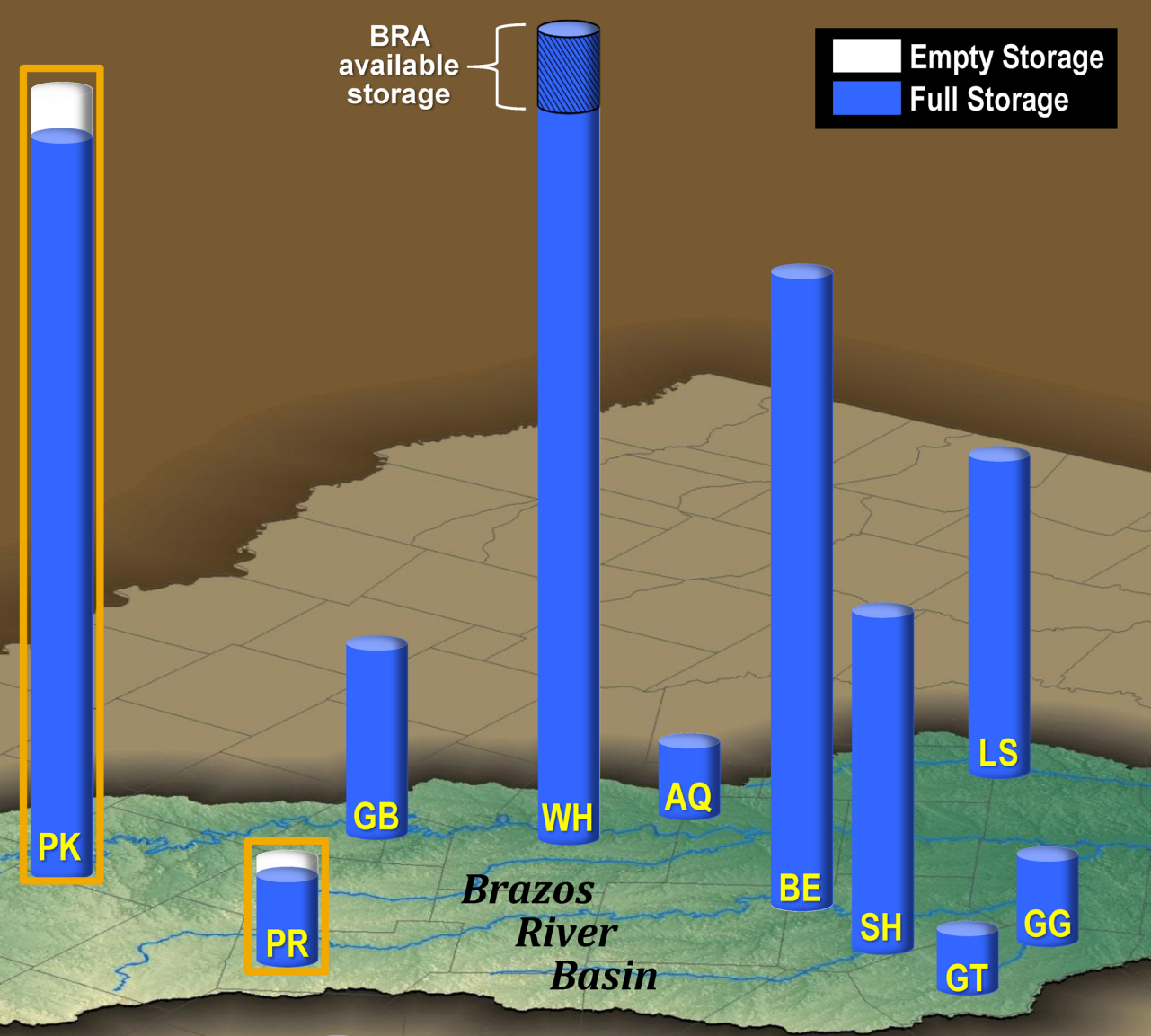
***Presented by  
David Collinsworth  
General Manager/CEO***



# ***Water Supply Update***

***Presented by  
Aaron Abel  
Water Services Manager***

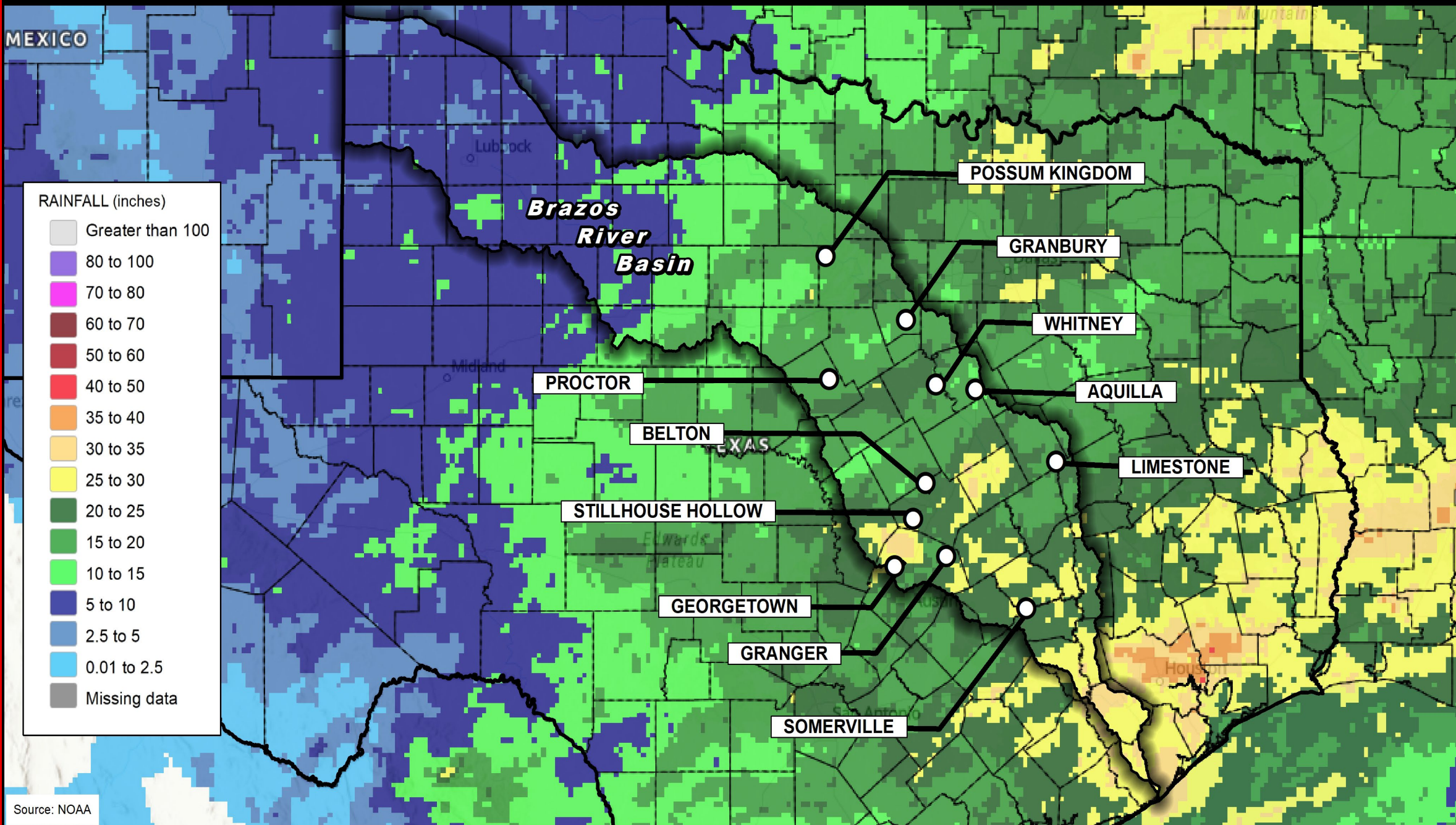
# BRA Water Supply Reservoirs "PERCENT FULL" June 24, 2026



	% Full	2 Week % Change	Drawdown <sup>**</sup>	2 Week Change (ft)
<b>PK</b> Possum Kingdom Lake	94%	+ 2%	- 1.8	+ 0.5
GB Lake Granbury	100%	0%	- 0.1	+ 0.1
WH Lake Whitney	*102%	- 3%	0.0	- 0.8
AQ Lake Aquilla	101%	+ 2%	0.0	+ 0.3
<b>PR</b> Lake Proctor	82%	+ 5%	- 2.3	+ 0.7
BE Lake Belton	104%	- 3%	0.0	- 1.0
SH Stillhouse Hollow Lake	107%	- 2%	0.0	- 0.8
GT Lake Georgetown	113%	- 18%	0.0	- 4.6
GG Lake Granger	124%	- 36%	0.0	- 3.5
LS Lake Limestone	100%	+ 1%	0.0	+ 0.6
SV Lake Somerville	117%	+ 15%	0.0	+ 2.0
<b>SYSTEM TOTAL</b>	<b>98%</b>	<b>+ 1%</b>		

\* Total Lake Whitney storage.  
BRA available storage is 100% full  
\*\* Feet below full

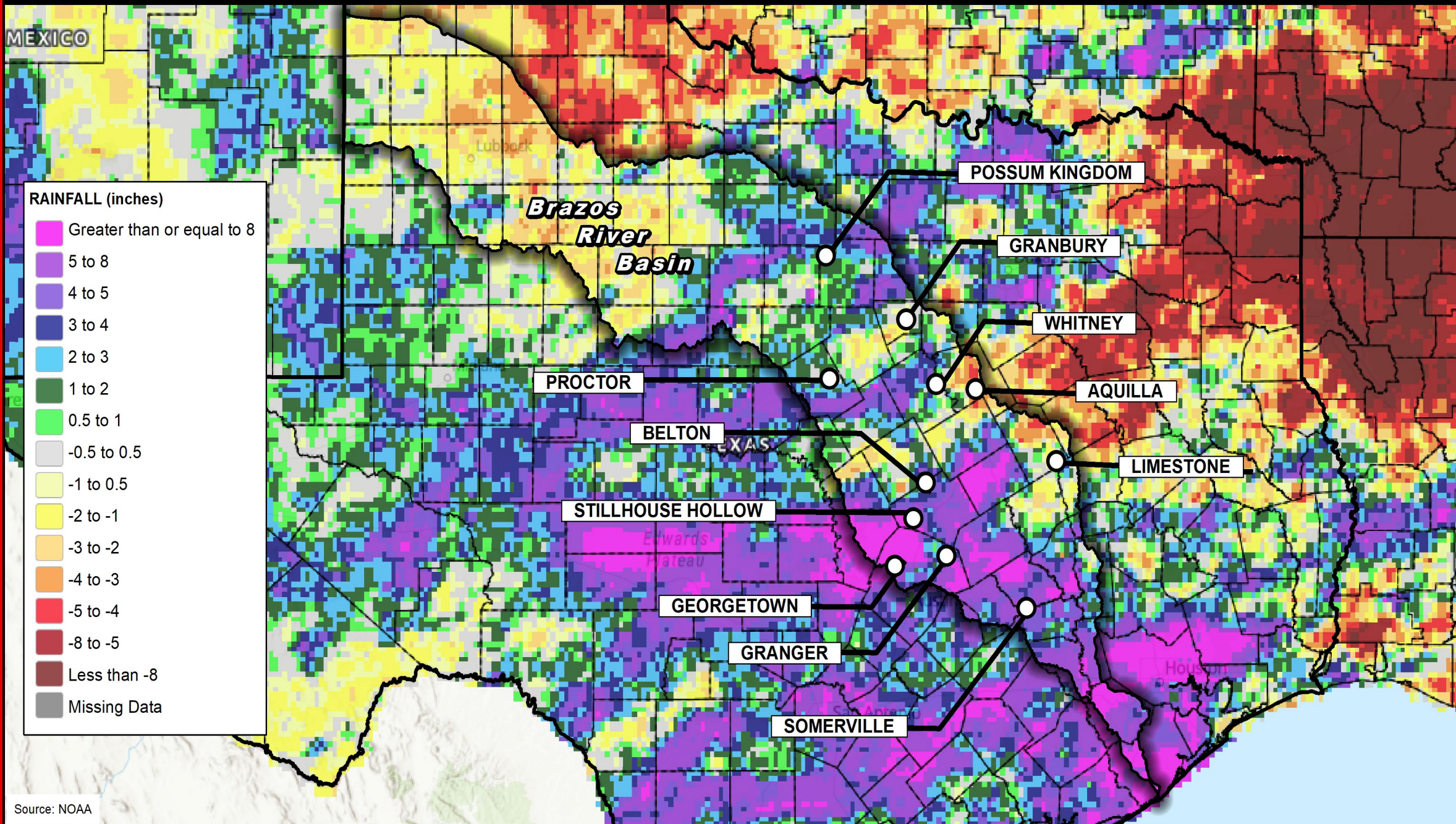
- Stage 1 Drought Watch
- Stage 2 Drought Warning
- Stage 3 Drought Emergency
- Stage 4 Pro-rata Curtailment

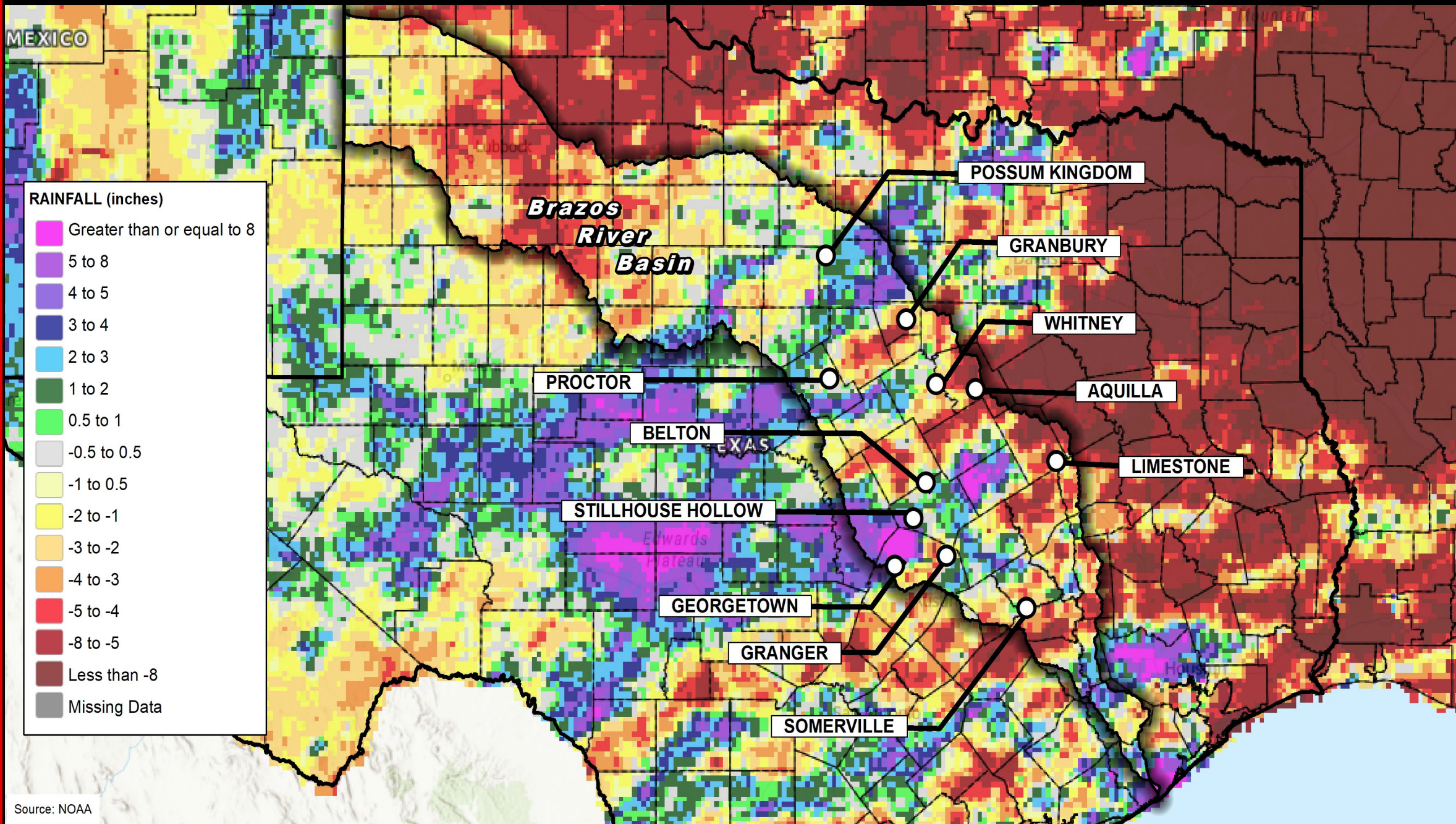


RAINFALL (inches)

Greater than 100
80 to 100
70 to 80
60 to 70
50 to 60
40 to 50
35 to 40
30 to 35
25 to 30
20 to 25
15 to 20
10 to 15
5 to 10
2.5 to 5
0.01 to 2.5
Missing data

Source: NOAA





RAINFALL (inches)

Greater than or equal to 8
5 to 8
4 to 5
3 to 4
2 to 3
1 to 2
0.5 to 1
-0.5 to 0.5
-1 to 0.5
-2 to -1
-3 to -2
-4 to -3
-5 to -4
-8 to -5
Less than -8
Missing Data

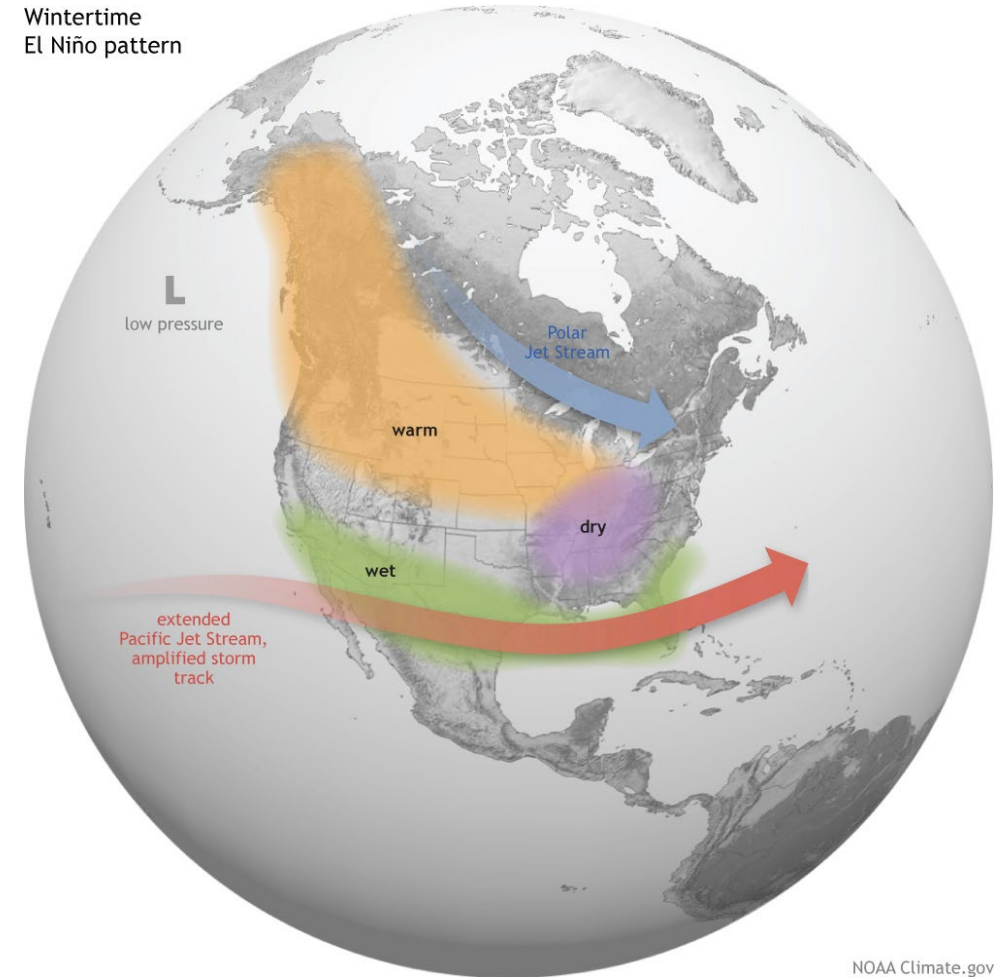
Source: NOAA



# *El Niño/La Niña – Current Status/Predictions (As of June 15)*

- **Sea Surface Temps – Above Average (Pacific Equator)**
- **El Niño Conditions in Place**
- **Expect Strengthening into the Winter**
- **Very Strong El Niño Event**

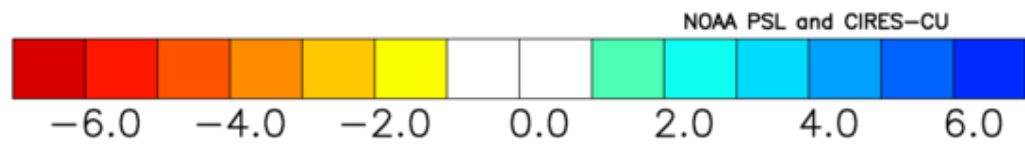
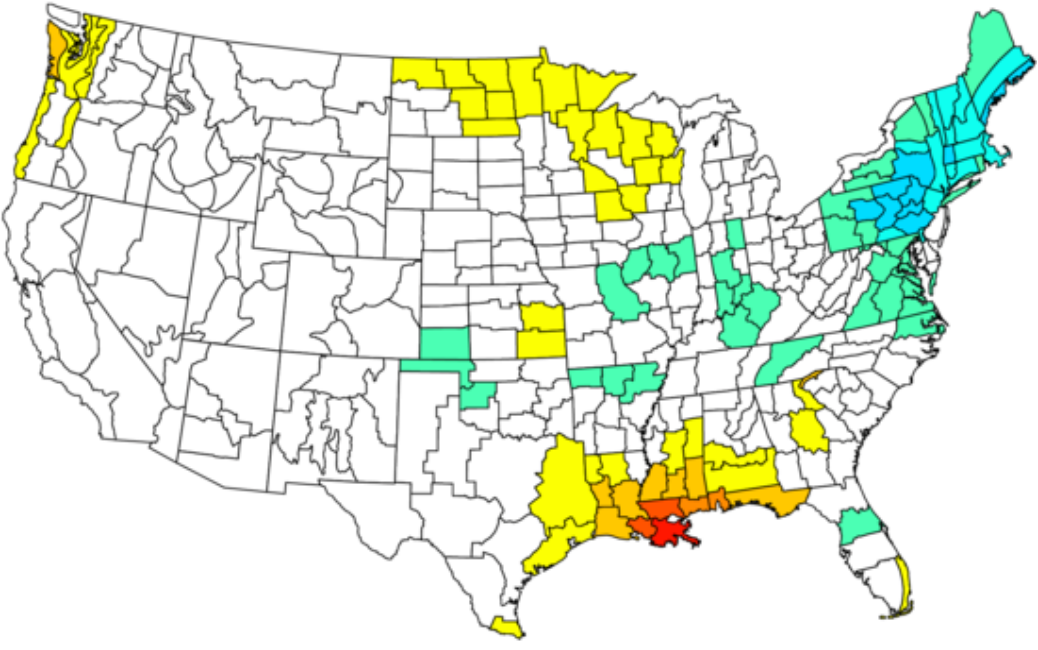
Wintertime  
El Niño pattern





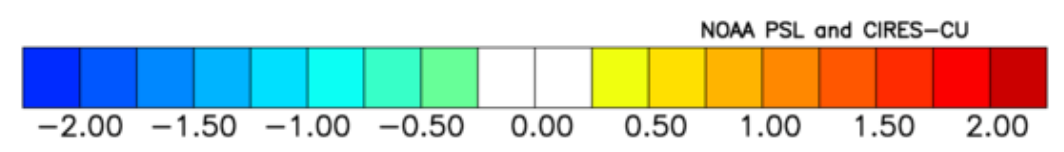
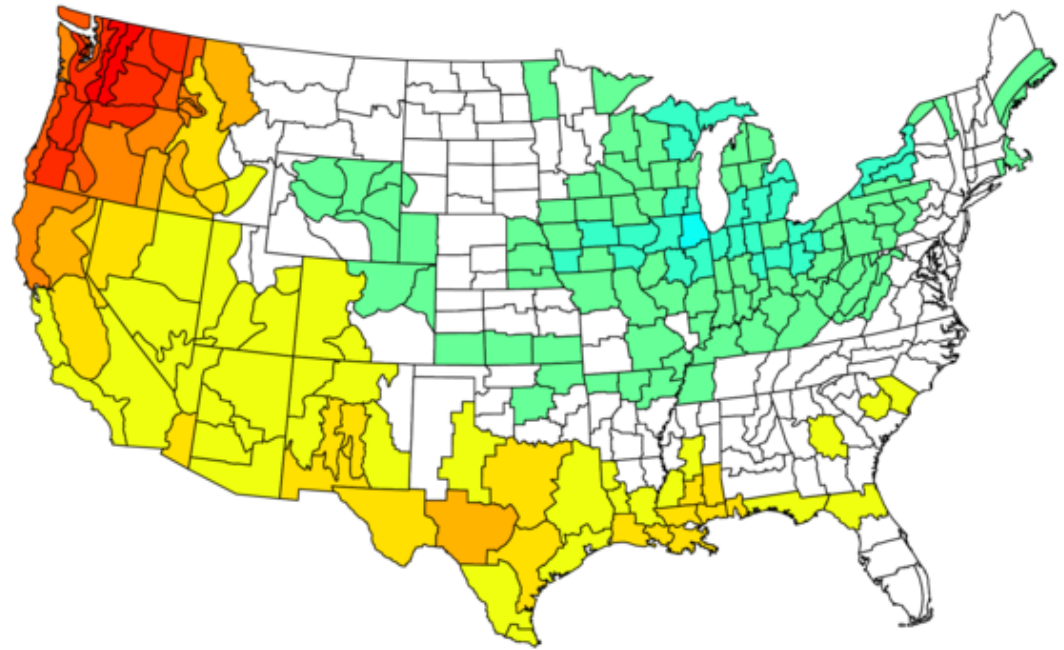
# El Niño Summer Composites Since 2000

NOAA/NCEI Climate Division Composite Precipitation Anomalies (in)  
Jun to Aug 2002,2004,2006,2009,2015,2018,2023  
Versus 1991–2020 Longterm Average



**Rainfall**

NOAA/NCEI Climate Division Composite Temperature Anomalies (F)  
Jun to Aug 2002,2004,2006,2009,2015,2018,2023  
Versus 1991–2020 Longterm Average

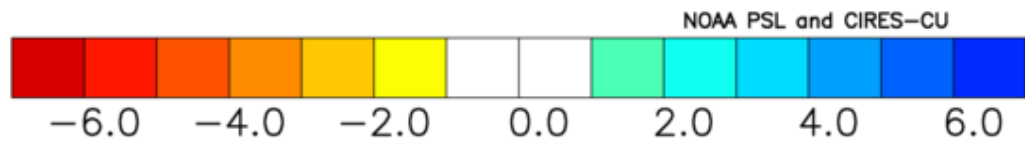
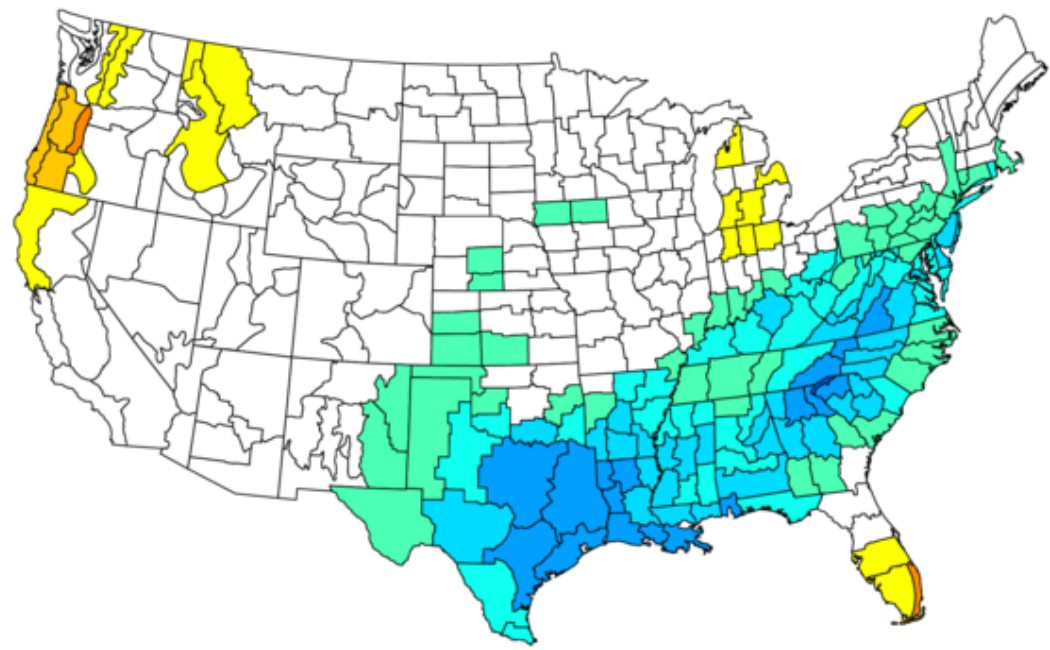


**Temperature**



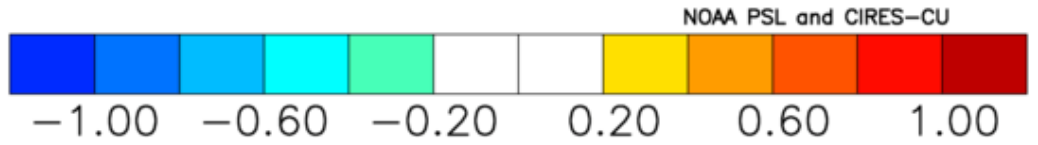
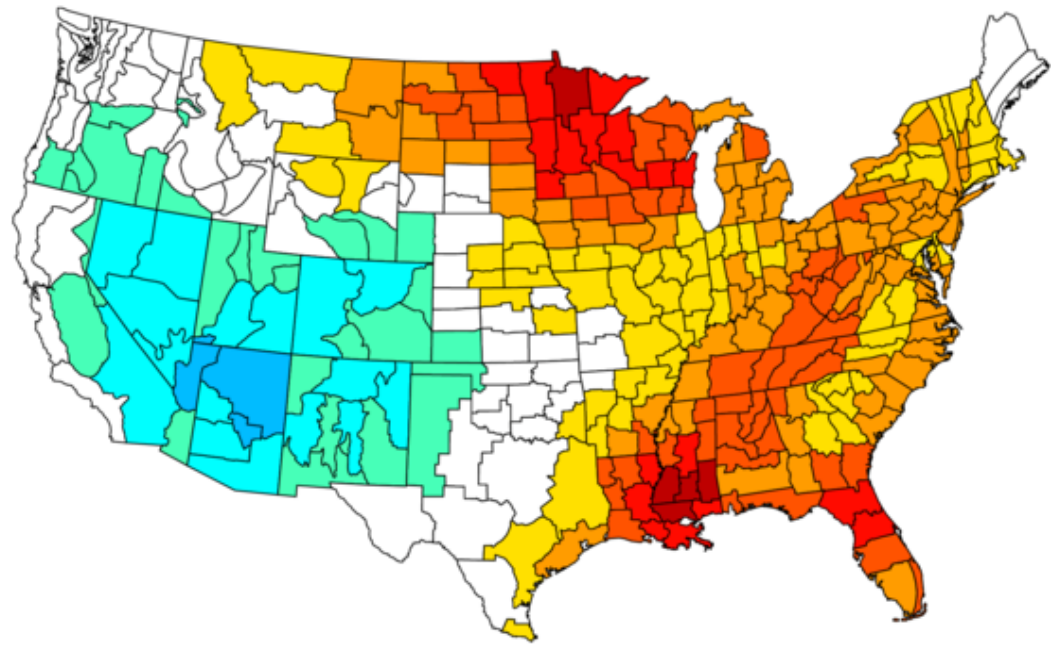
# El Niño Fall Composites Since 2000

NOAA/NCEI Climate Division Composite Precipitation Anomalies (in)  
Sep to Nov 2002,2004,2006,2009,2015,2018,2023  
Versus 1991–2020 Longterm Average



**Rainfall**

NOAA/NCEI Climate Division Composite Temperature Anomalies (F)  
Sep to Nov 2002,2004,2006,2009,2015,2018,2023  
Versus 1991–2020 Longterm Average

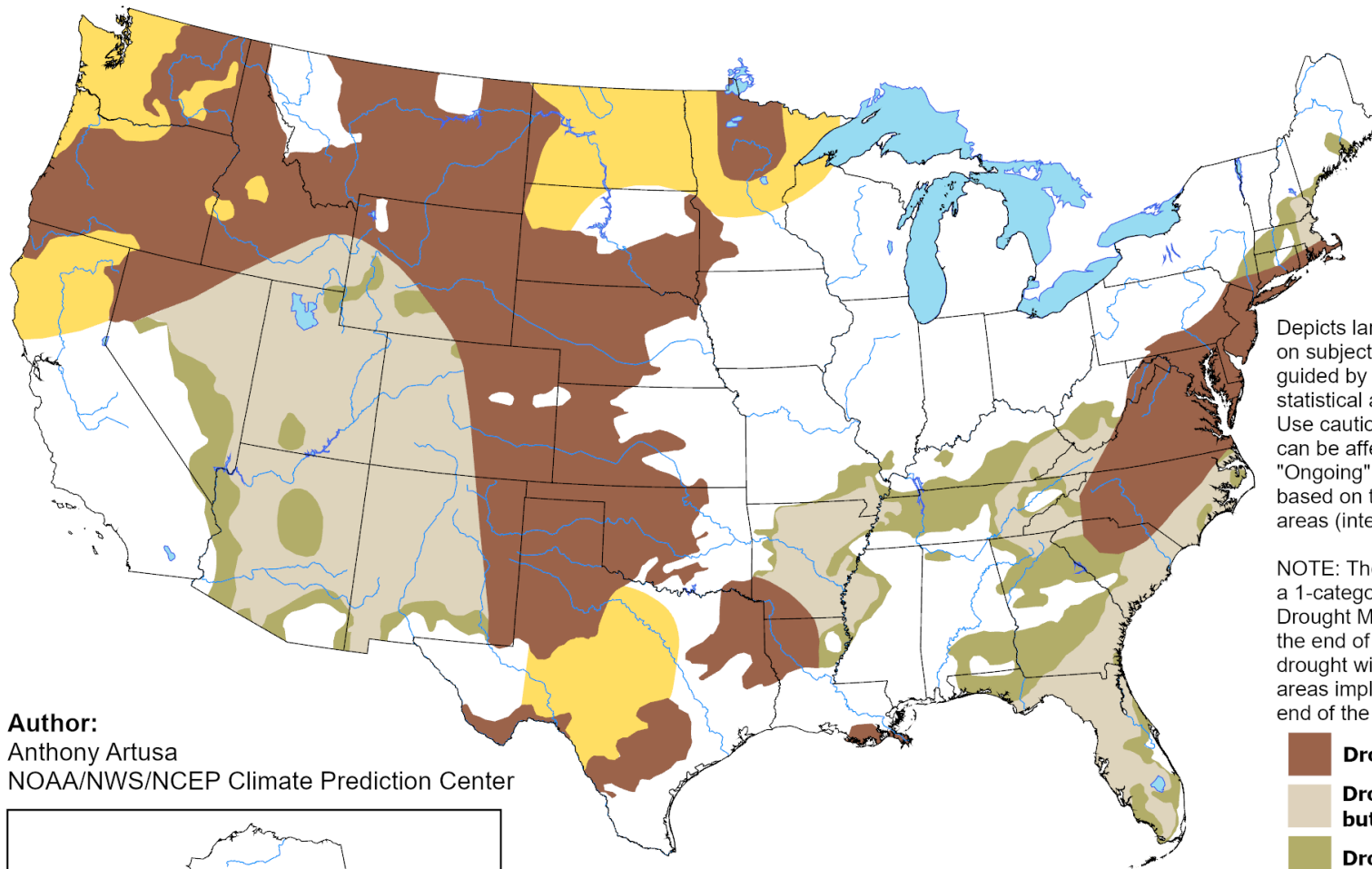


**Temperature**

# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period

Valid for June 18 - September 30, 2026  
Released June 18, 2026

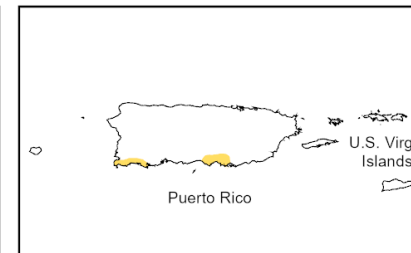
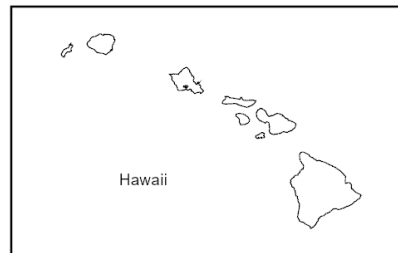
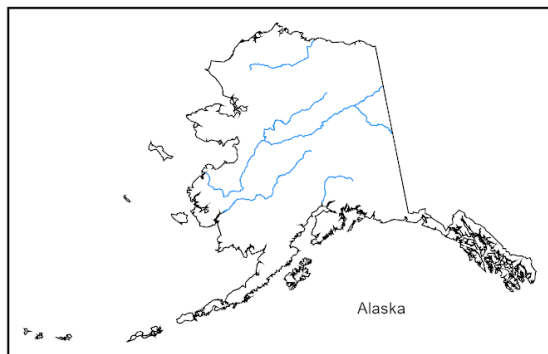


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

- Drought persists**
- Drought remains, but improves**
- Drought removal likely**
- Drought development likely**
- No drought**

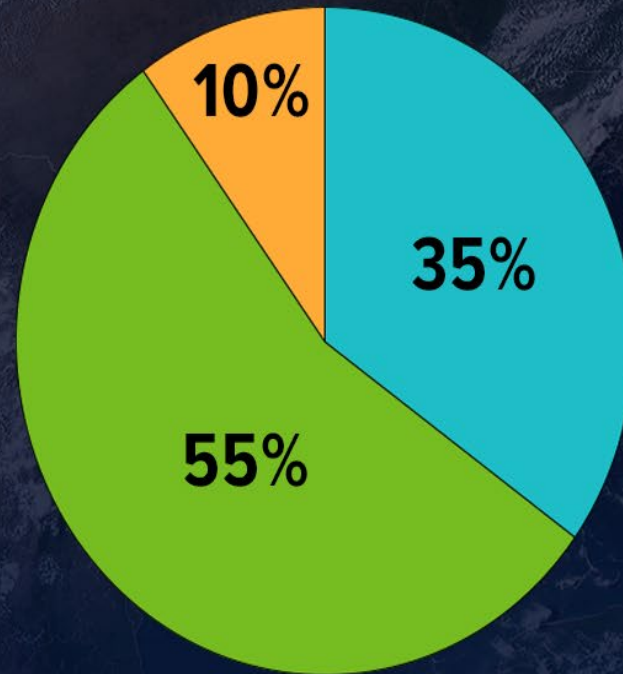
**Author:**  
Anthony Artusa  
NOAA/NWS/NCEP Climate Prediction Center





# 2026 Atlantic Hurricane Season Outlook

## Season Probability



Above Normal



Near Normal



Below Normal

## Named Storms

8 - 14

## Hurricanes

3 - 6

## Major Hurricanes

1 - 3





# ***2026 Water Management Plan Update***

***Presented by  
Peyton Lisenby  
Senior Water Resources Planner***



## ***SysOps Permit & WMP***

- **Most Junior Water Right for BRA**
- **Originally Applied for in 2004**
- **Permit Approved in 2016**
- **WMP (and Accompanying Technical Report)  
Conformed to Approved Permit in 2018**



## ***SysOps Permit & WMP***

- **“One-of-a-kind” authorization in Texas.**
- **Makes new System yield available through coordinated reservoir operations with run of river flows and WWTP return flows.**
- **Enabled approximately 100k acre-feet of new firm contracts.**
- **WMP is the regulatory document ensuring compliance with the SysOps Permit.**



## ***Motivation & Objective***

- **The WMP is subject to conditions within the SysOps Permit 5851.**
- **WMP must be updated every 10 years (minimum).**
- **Update demand, supply, and hydrology data to maintain the SysOps appropriation.**



## ***Project Progress***

- **2023**      **Freese & Nichols, Inc., Hired as Engineering Consultant**
- **2024**      **Data Compilation & Review**
- **2025**      **TCEQ Coordination & Analysis**
- **2026**      **WAM Modeling & Documentation Revision**

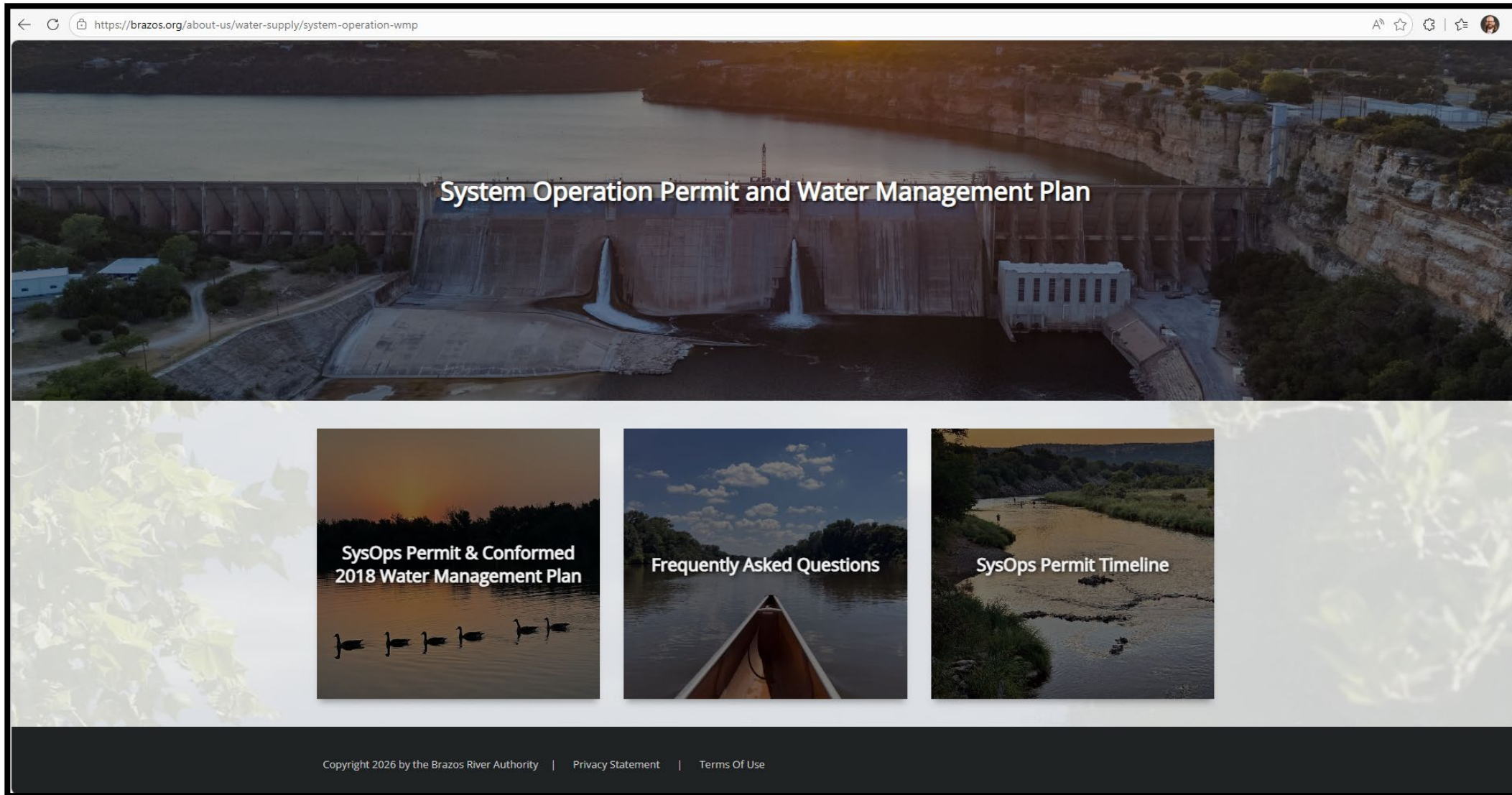


# ***Open House***

- **In-Person (BRA Central Office) & Virtual Informational Event**
- **Will Include Presentations and Q&A**
  - **Will provide details about the 2026 WMP Update Application and filing process with TCEQ.**
- **RSVPs to be Sent Out in Mid-Summer**



# Website Make-Over





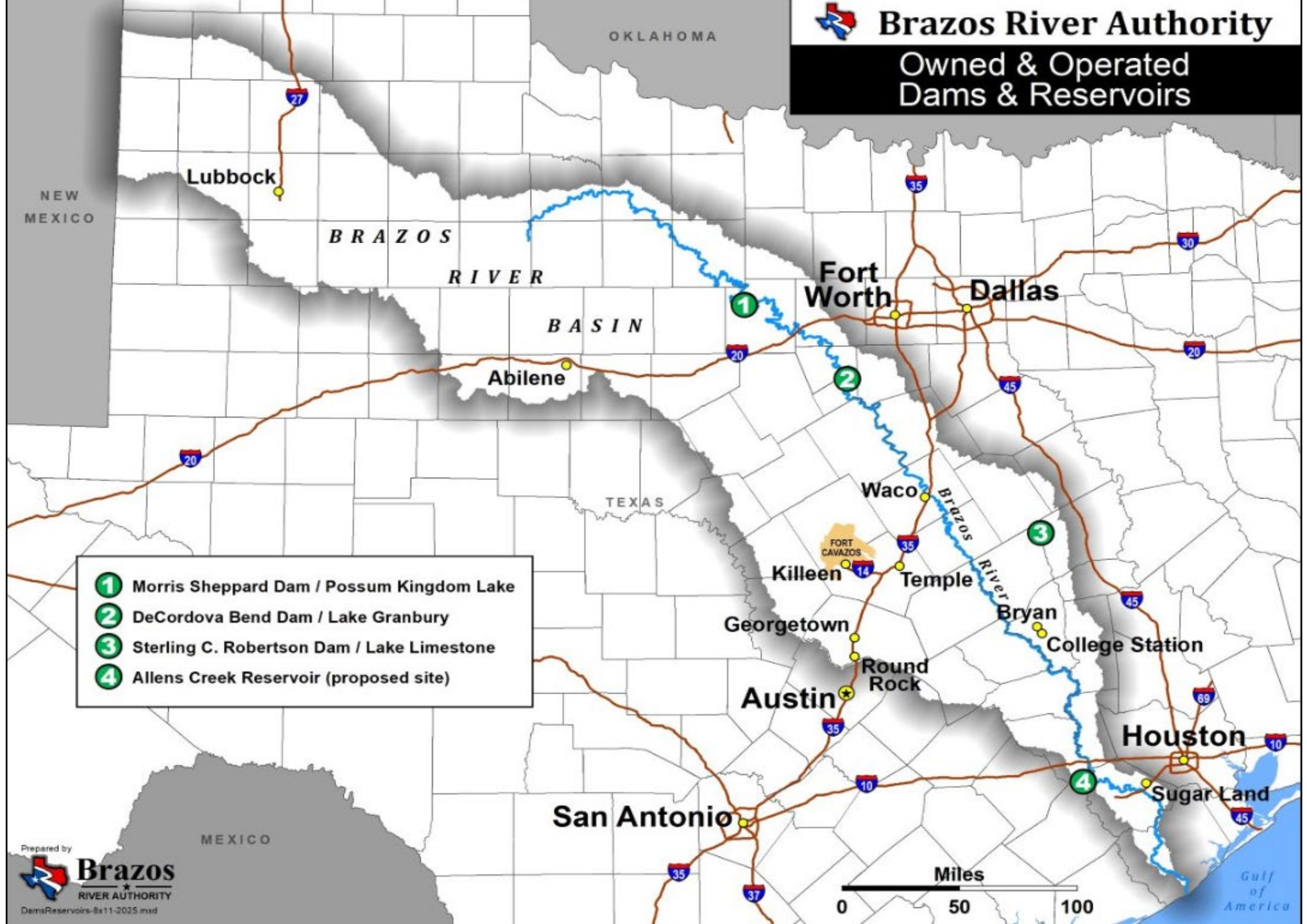
## ***Looking Forward...***

- **Website Updates**
  - **Question Portal Now Live**
  - **Updates to Timeline and FAQs**
  - **Application Progress Updates**
- **Submission Deadline – November 30, 2026**



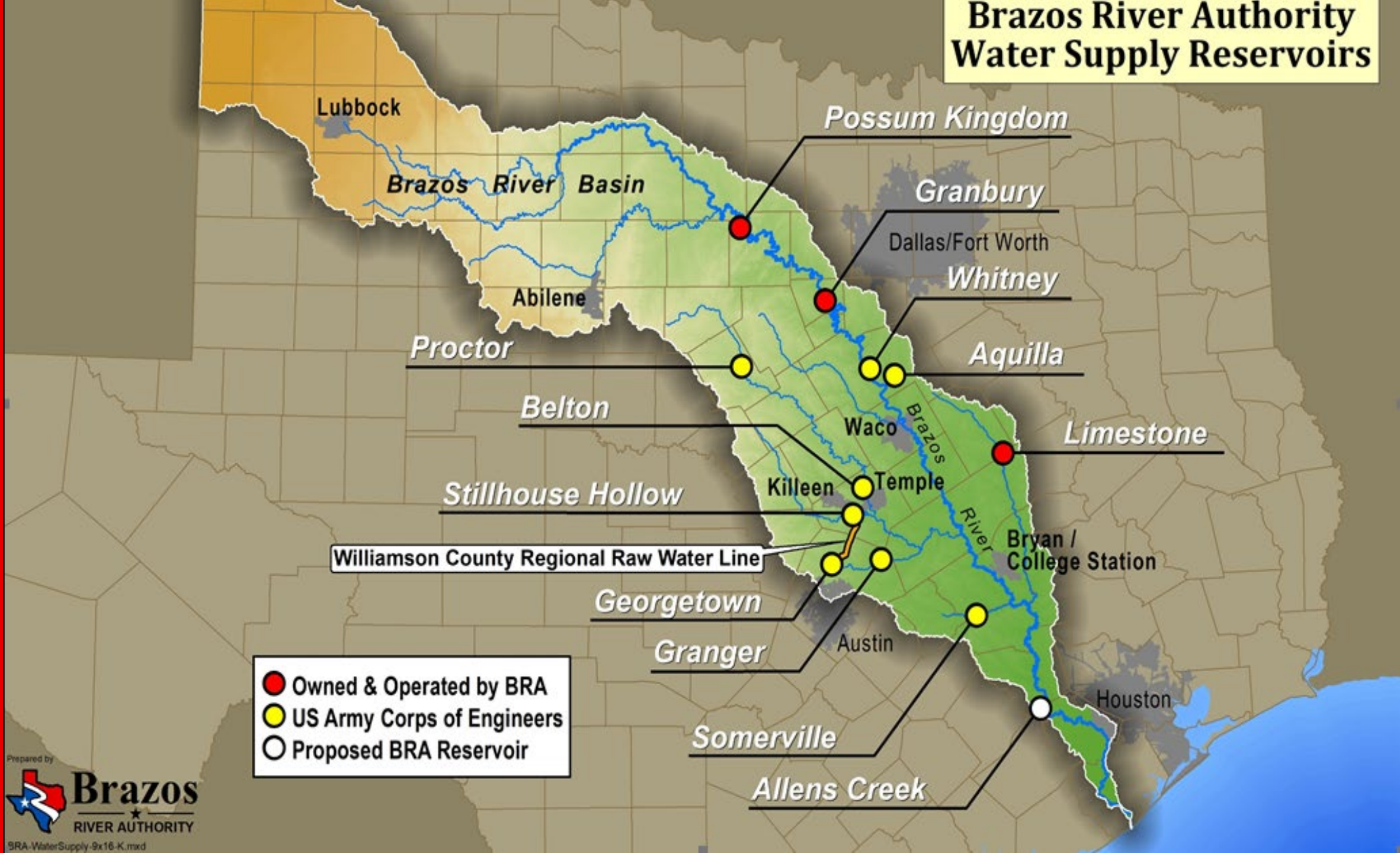
# ***Projects at BRA Dams***

***Presented by  
Michael McClendon  
Chief Projects Officer***



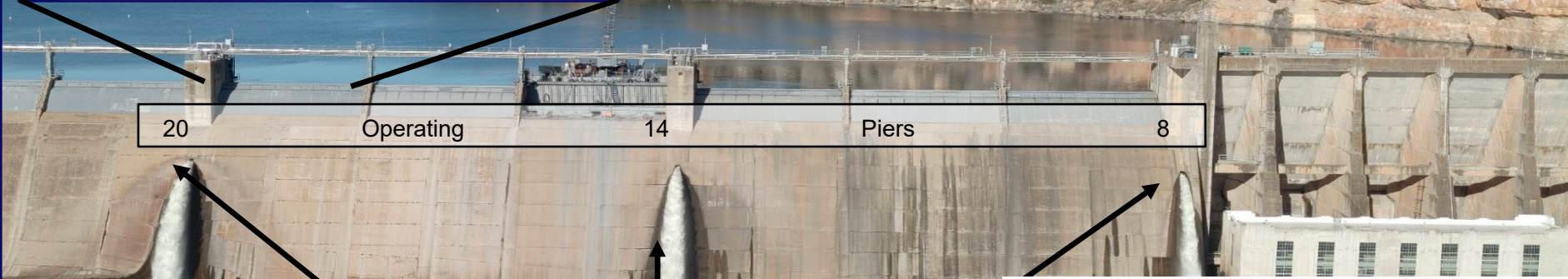


# Brazos River Authority Water Supply Reservoirs

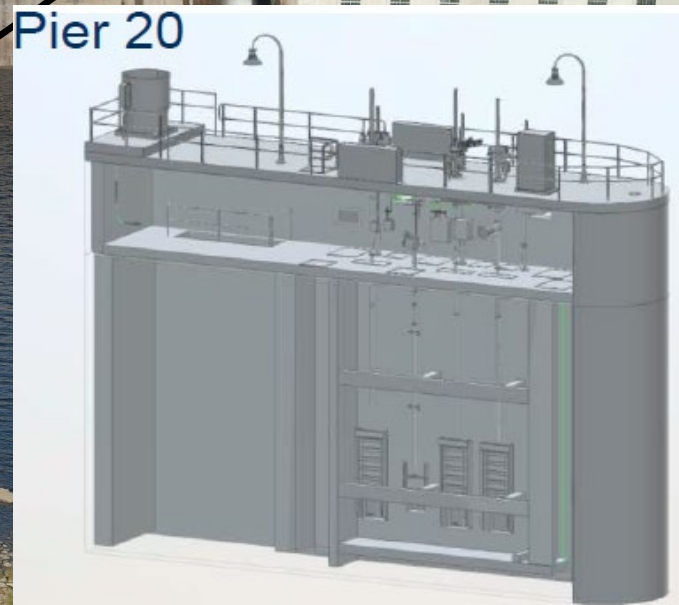




# MORRIS SHEPPARD DAM FLOW CONTROL GATE REPLACEMENT



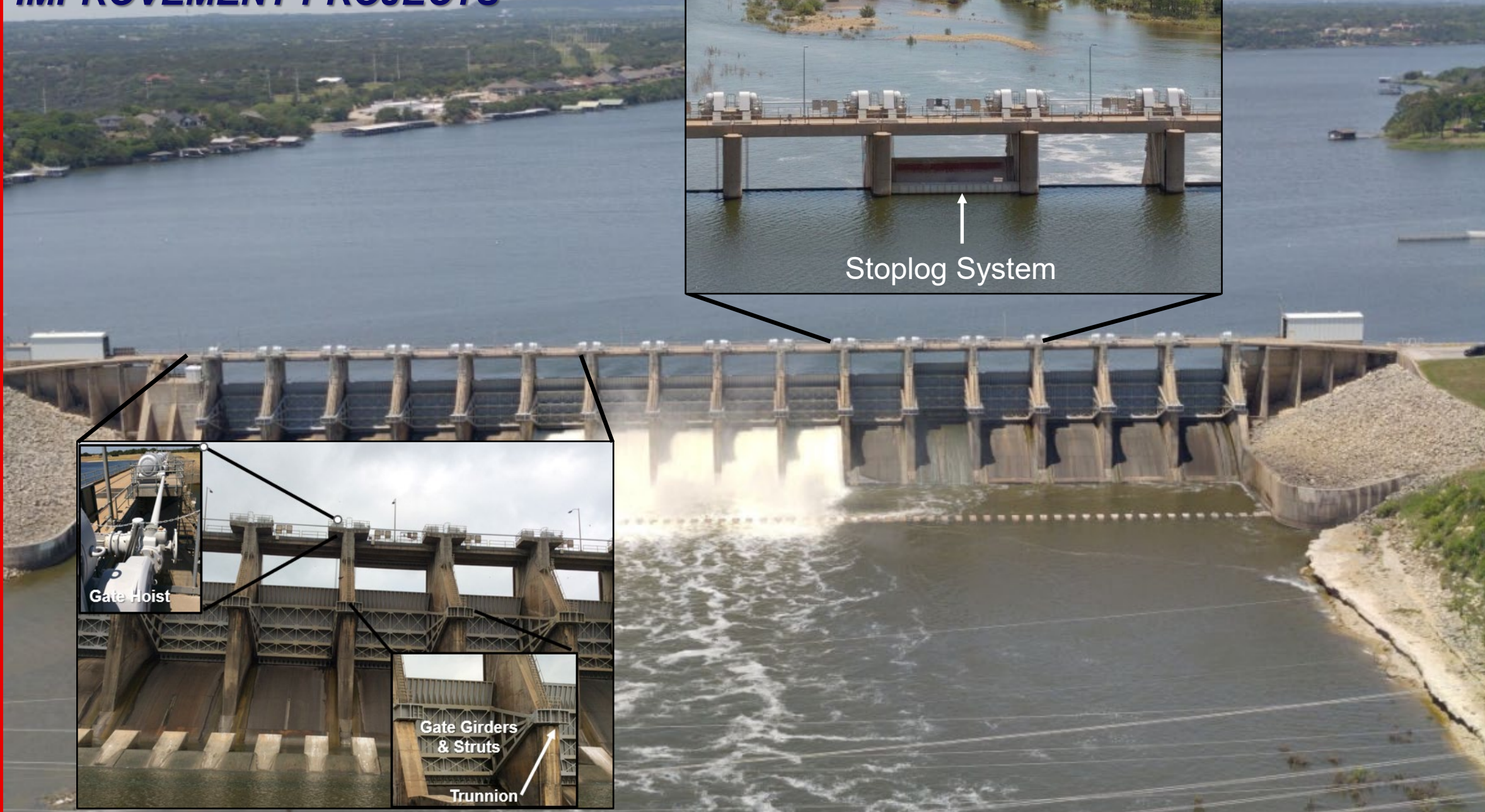
Low Flow Outlets





Brazos River Authority

# DE CORDOVA BEND DAM IMPROVEMENT PROJECTS





Brazos River Authority

# STERLING C. ROBERTSON DAM TAINTER GATES IMPROVEMENT





# ***Fiscal Year 2027 Proposed Budget***

***Presented by  
Michele Giroir  
Chief Financial Officer***



# ***FY 2027 Budget Assumptions***

## Expenses

- Includes an Employment Cost Index increase of 2.5% and a merit pool of 3.0%.
- Includes adding four full-time positions for FY 2027 and converting two part-time positions to full-time positions.
- BRA's share of the O&M expenses for storage in Federal Reservoirs for FY 2027 is \$3.6M, a \$1.4M decrease from FY 2026.
- O&M expenses, not including debt service, are increasing less than 3% from FY 2026 to FY 2027.
- Anticipate issuing \$59M in debt to fund capital projects and reimburse eligible capital project expenses from prior years.



# ***FY 2027 Budget Assumptions***

## **Revenues – System Water**

- **The proposed System Water Rate for FY 2027 is \$113/AF, a 6.6% increase from FY 2026.**

## **Revenues – Non-System Water**

- **Non-System Water Sales expected to stay relatively level with prior year.**

## **Revenues – Other Water Supply Revenues**

- **Treated water sales at the EWC plant are projected to increase \$700K.**
- **Interest Income is expected to increase by \$800K due to higher cash balances from debt issues.**

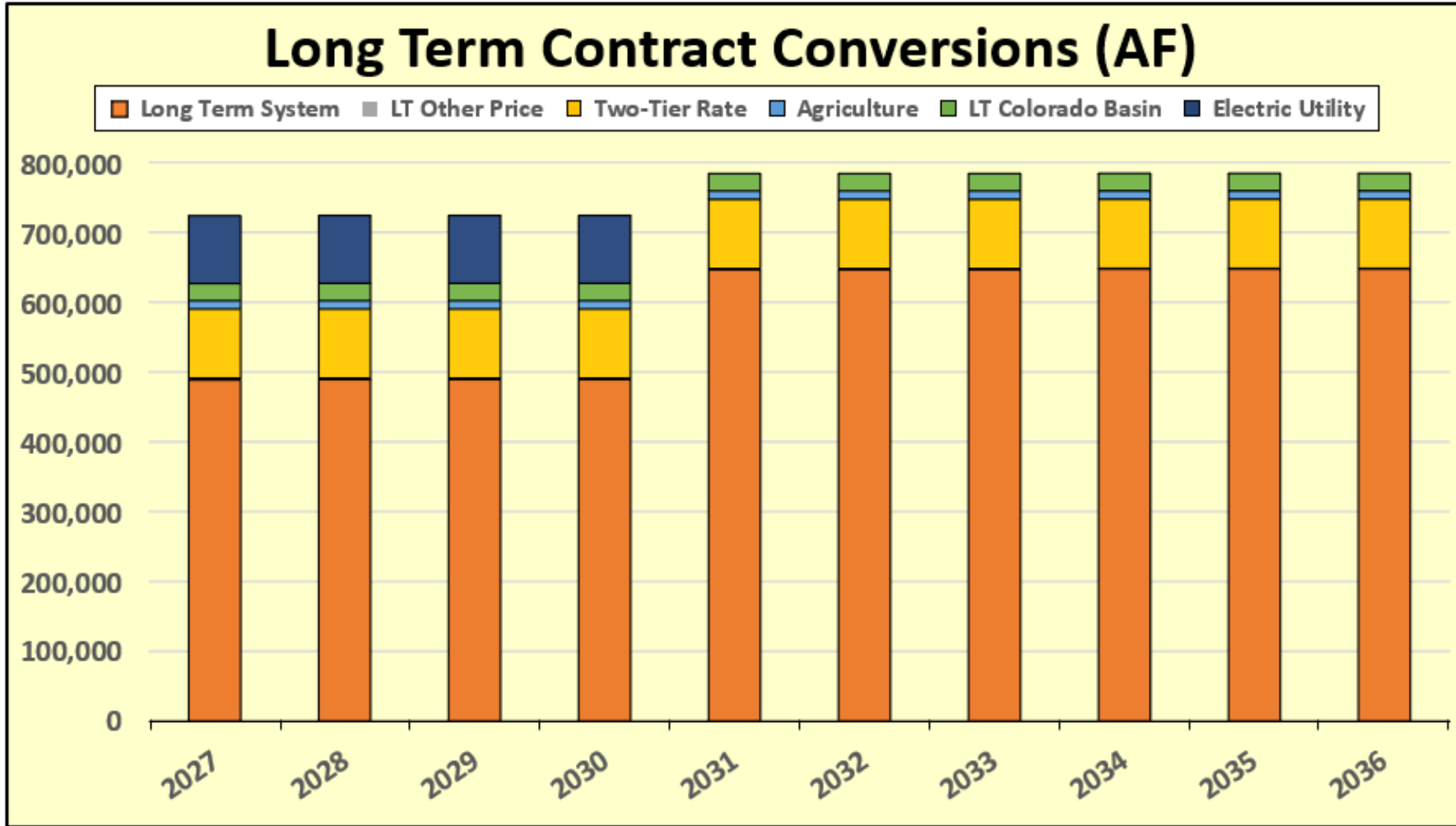


# ***Long-Term Billing Units and Average Price***

	<b>FY 2026</b>			<b>FY 2027</b>		
	<b>Units</b>	<b>Avg. Price</b>	<b>%</b>	<b>Units</b>	<b>Avg. Price</b>	<b>%</b>
<b>System Rate</b>	<b>488,357</b>	<b>\$106.00</b>	<b>67%</b>	<b>488,632</b>	<b>\$113.00</b>	<b>68%</b>
<b>Agricultural</b>	<b>11,911</b>	<b>\$74.20</b>	<b>2%</b>	<b>11,911</b>	<b>\$79.10</b>	<b>2%</b>
<b>Two-Tier</b>	<b>98,999</b>	<b>\$19.75</b>	<b>14%</b>	<b>98,999</b>	<b>\$20.79</b>	<b>14%</b>
<b>Other Fixed Price</b>	<b>2,784</b>	<b>\$36.81</b>	<b>1%</b>	<b>2,509</b>	<b>\$40.46</b>	<b>&lt;1%</b>
<b>Utilities</b>	<b>97,000</b>	<b>\$21.70</b>	<b>13%</b>	<b>97,000</b>	<b>\$21.70</b>	<b>13%</b>
<b>Colorado Basin</b>	<b>24,700</b>	<b>\$100.53</b>	<b>3%</b>	<b>24,700</b>	<b>\$114.49</b>	<b>3%</b>
	<b>723,751</b>		<b>100%</b>	<b>723,751</b>		<b>100%</b>



# Estimated Water Contract Conversions



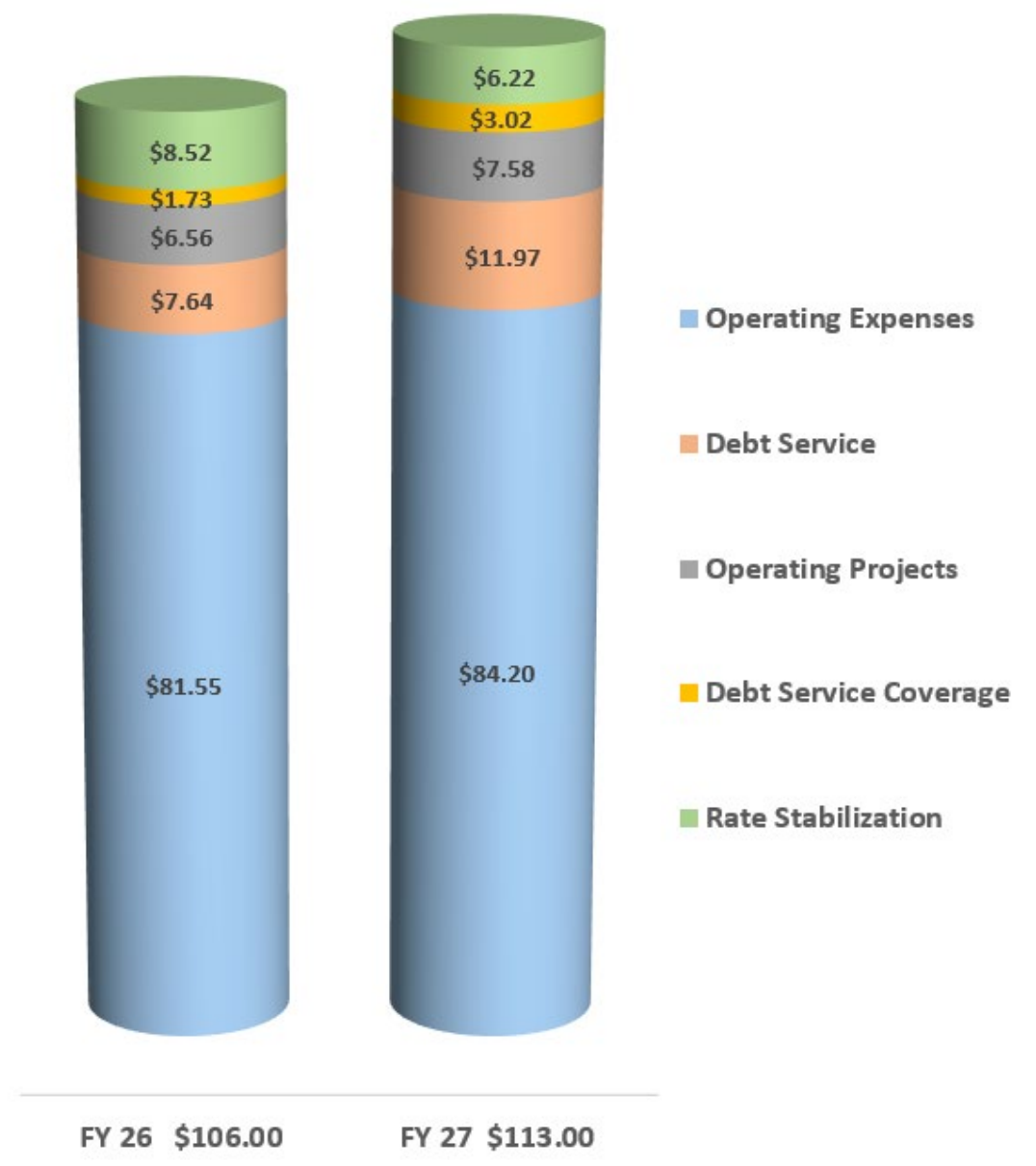


# System Rate Calculation

	FY 26 Budget	FY 27 Budget
<b>Non-System Water Rate Revenues</b>		
Non-System Water Revenues	8,008	8,771
Other Water Supply Revenues	22,368	23,372
<b>Total Non-System Water Rate Revenues</b>	<b>\$ 30,376</b>	<b>\$ 32,143</b>
<b>Water Supply Expenses</b>		
Water Supply O&M Expenditures	63,180	64,389
Water Supply Debt Service (subject to coverage)	4,473	7,691
Water Supply Debt Service (not subject to coverage)	1,448	1,448
Operating Project Expenditures	5,080	5,784
<b>Total Water Supply Expenses</b>	<b>\$ 74,181</b>	<b>\$ 79,312</b>
<b>Debt Coverage Requirement (1.3 ratio)</b>	<b>1,342</b>	<b>2,307</b>
<b>Rate Stabilization Reserve Contribution</b>	<b>6,600</b>	<b>5,775</b>
<b>Total Financial Requirement</b>	<b>\$ 51,747</b>	<b>\$ 55,251</b>
<b>Total System Water Billing Units (acre feet)</b>	<b>488,357</b>	<b>488,632</b>
<b>Calculated System Rate (Financial Requirement/Number of System Rate Units)</b>	<b>\$ 106.00</b>	<b>\$ 113.00</b>



# System Rate Composition





# ***FY2027 Budget Summary***

## ***All Lines of Business*** (in millions)

	<u>Water Supply</u>	<u>Cost Reimbursable</u>	<u>Total</u>
<b><u>Beginning Reserves</u></b>	<b>\$ 103.2</b>	<b>\$ -</b>	<b>\$ 103.2</b>
<b>Revenues</b>	<b>87.4</b>	<b>17.0</b>	<b>104.4</b>
<b>Expenses - O &amp; M</b>	<b>(64.4)</b>	<b>(13.5)</b>	<b>(77.9)</b>
<b>Expenses - Debt Service</b>	<b>(9.1)</b>	<b>(3.5)</b>	<b>(12.6)</b>
<b>Operating Projects</b>	<b>(5.8)</b>	<b>-</b>	<b>(5.8)</b>
<b>Surplus</b>	<b>8.1</b>	<b>-</b>	<b>8.1</b>
<b>Capital Improvement Projects</b>	<b>(79.9)</b>	<b>(3.3)</b>	<b>(83.2)</b>
<b>Debt Funding</b>	<b>50.0</b>	<b>3.3</b>	<b>53.3</b>
<b>Ending Reserves</b>	<b>\$ 81.4</b>	<b>\$ -</b>	<b>\$ 81.4</b>



# ***BRA Long Range Financial Plan***

- **The BRA Long Range Financial Plan (LRFP) is a model that staff uses to forecast the organization's financial stability based on current conditions and also to evaluate the effects of proposed projects on future years.**



# ***LRFP - Information and Inputs***

- **The LRFP provides a 50-year forecast to align us with the State Water Plan.**
- **Water Supply elements only.**

## **Inputs**

- **Existing Debt Service Schedules**
- **Upcoming Year Proposed Annual Operating Plan**
- **Current Project Inventory**
- **Current Water Contract Inventory**
- **Updated Inflation Values**



# *Forecasting*

- **Annual Operating Plan (AOP)**

- **Expenses**

- **Expenses are estimated over the 50-year planning period using inflators that are unique to each class of expenditure.**
    - **The inflators are applied to the proposed AOP to forecast future years.**
    - **The inflators are re-evaluated every five years to ensure their efficacy and adjusted as needed.**
    - **Expenses for planned new operations are layered into the model in the year following completion of the project.**
    - **Manual adjustments are made for known future events (i.e., full funding of defined benefit pension, etc.).**
    - **Project Expenditures are based on the updated Project Budget Worksheets.**



# Operating Projects Five-Year Plan

Project Name	Amounts in 000's				
	FY 27	FY 28	FY 29	FY 30	FY 31
UB-PK-COC Recoating and Repairs	1,826	590	-	-	-
UB-ES-Comprehensive Water Quality Modeling Tool for Possum Kingdom	1,600	500	-	-	-
UB-LG-Tainter Gate Evaluation	890	90	-	-	-
UB-LG-Embankment Stability Analysis and Assessment	500	150	-	-	-
UB-PK-Bay 9 Transition Beam Leak Remediation	478	200	240	-	-
UB-PK-Red Bluff Bridge Repair	240	-	150	700	550
CB-WH-Lake Whitney Reallocation Study	150	-	-	-	-
BW-TS- Risk Based Capital Planning and Management Support	100	-	-	-	-
UB-WS-PK Probable Maximum Flood Analysis	-	400	400	-	-
LB-LL-Upstream Embankment Assessment	-	300	300	-	-
UB-PK-Emergency Spillway Evaluation	-	300	300	-	-
UB-PK-Seismic Analysis & Hydrographic Sedimentation Survey	-	300	300	-	-
BW-ES-Brazos Water Snake Study	-	200	200	150	-
LB-LL-Concrete Assessment & Repairs (CAASLE)	-	-	313	625	313
UB-LG-Facility Access Walkways	-	-	100	735	615
UB-LG-South Dike Erosion Repair	-	-	13	228	-
UB-LG-Targeted Concrete and Structural Condition Assessment (CAASLE)	-	-	-	417	834
UB-PK-Powerhouse Infrastructure Stabilization	-	-	-	150	425
UB-LG-South Downstream Channel Erosion	-	-	-	77	154
LB-ES-Comprehensive Water Quality Modeling Tool for Lake Limestone	-	-	-	-	1,000
BW-ES-Convert CCAA to Habitat Conservation Plan	-	-	-	-	750
LB-LL-Administrative Complex Architectural Assessment, Design & Replacement	-	-	-	-	213
UB-LG-RSMU Building	-	-	-	-	213
<b>TOTALS</b>	<b>\$ 5,784</b>	<b>\$ 3,030</b>	<b>\$ 2,316</b>	<b>\$ 3,082</b>	<b>\$ 5,067</b>

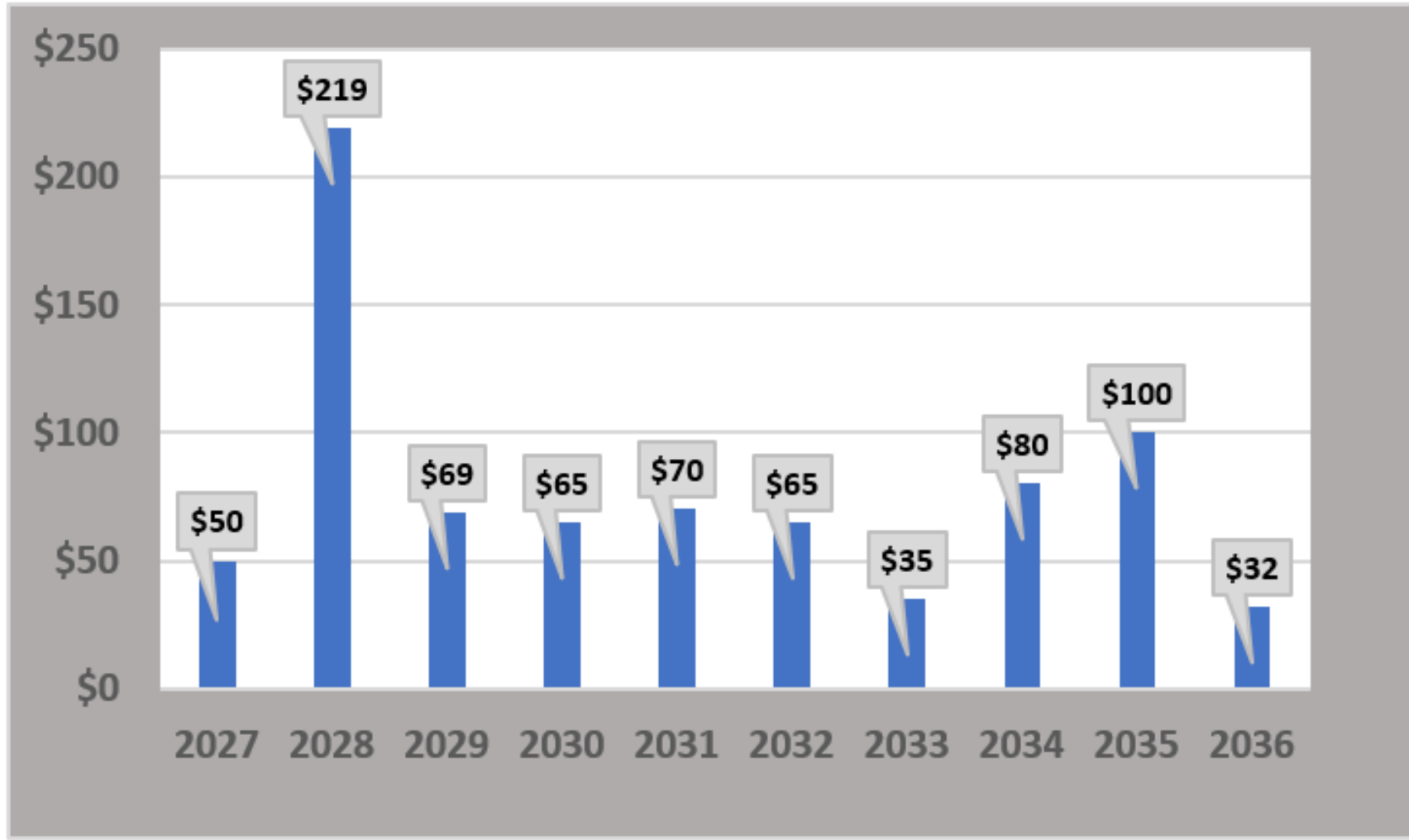


# Capital Improvement Projects Five-Year Plan

Project Name	Type	Amounts in 000's				
		FY 27	FY 28	FY 29	FY 30	FY 31
CB-EW-EWCRWS Expansion Phase II (to 27.8 MGD)	New Infrastructure	21,757	103,378	43,928	7,752	-
CB-EW-Trinity Well #1 Infrastructure	New Infrastructure	18,300	13,488	-	-	-
LB-AC-Allens Creek Reservoir	New Water	16,459	17,437	4,520	6,272	10,745
CB-BE-Belhouse Drought Preparedness	New Infrastructure	8,427	9,249	3,286	34,780	46,130
CB-EW-EWCRWS Treated Water Pipeline	New Infrastructure	6,289	17,985	-	-	-
UB-LG-Stoplog Replacement System	Infrastructure Maintenance	3,809	6,398	5,890	-	-
CB-WCR-WCRRWL Phase 3 Pumps	Water Distribution	3,342	22,969	19,990	17,929	-
LB-LL-Tainter Gate Replacement and Improvements	Infrastructure Maintenance	1,000	-	-	-	-
LB-LL-Park 5 Access Pier and Park Upgrades	New Infrastructure	900	-	-	-	-
LB-LL-Low Flow Facility Modifications & Improvements	Infrastructure Maintenance	700	500	1,630	3,504	2,628
UB-LG-Buttress 1 and 44 Repairs	Infrastructure Maintenance	673	2,615	-	-	-
UB-PK-Flow Control Gate Replacement	Infrastructure Maintenance	600	150	-	-	-
CB-WH-Lake Whitney Reallocation Implementation	New Water	450	59,350	500	-	-
UB-PK-Bay #9 Weir Box	Infrastructure Maintenance	200	40	573	-	-
UB-LG-Hearth Stability Analysis	Infrastructure Maintenance	150	1,380	4,800	3,570	-
LB-LL-Hydrostatic Relief System Assessment & Replacement	Infrastructure Maintenance	150	400	955	1,910	-
CB-GR-Lake Granger Intake Expansion	New Infrastructure	-	3,181	-	-	-
UB-LG-Tainter Gate Improvements	Infrastructure Maintenance	-	2,400	3,200	6,740	15,420
LB-LL-Road Repairs & Improvements	Infrastructure Maintenance	-	50	110	605	550
UB-PK-North/South Bank Reconstruction	Infrastructure Maintenance	-	-	250	519	1,076
LB-LL-Upstream Embankment Construction	Infrastructure Maintenance	-	-	-	390	320
UB-LG-Rip Rap Repair	Infrastructure Maintenance	-	-	-	250	250
UB-LG-Road Repair	Infrastructure Maintenance	-	-	-	-	100
CO-PD-Parking Lot Pavement Assessment & Repair	Infrastructure Maintenance	-	-	-	-	70
<b>TOTALS</b>		<b>\$ 83,206</b>	<b>\$ 260,970</b>	<b>\$ 89,632</b>	<b>\$ 84,221</b>	<b>\$ 77,289</b>



# *Water Supply Debt Issued (in millions)*





# *Forecasting*

- **Annual Operating Plan (AOP)**

- **Revenues – Water Sales**

- **Non-System Water Supply Revenues are forecast based on existing contracts. It is assumed that most Non-System Water Supply contracts will convert to System Water contracts upon expiration.**
    - **Agriculture Contracts are assumed to renew as Agriculture Water at 70% of the System Rate.**
    - **Revenue for new water created by projects is assumed to be sold at the System Rate in the year following the completion of the project.**

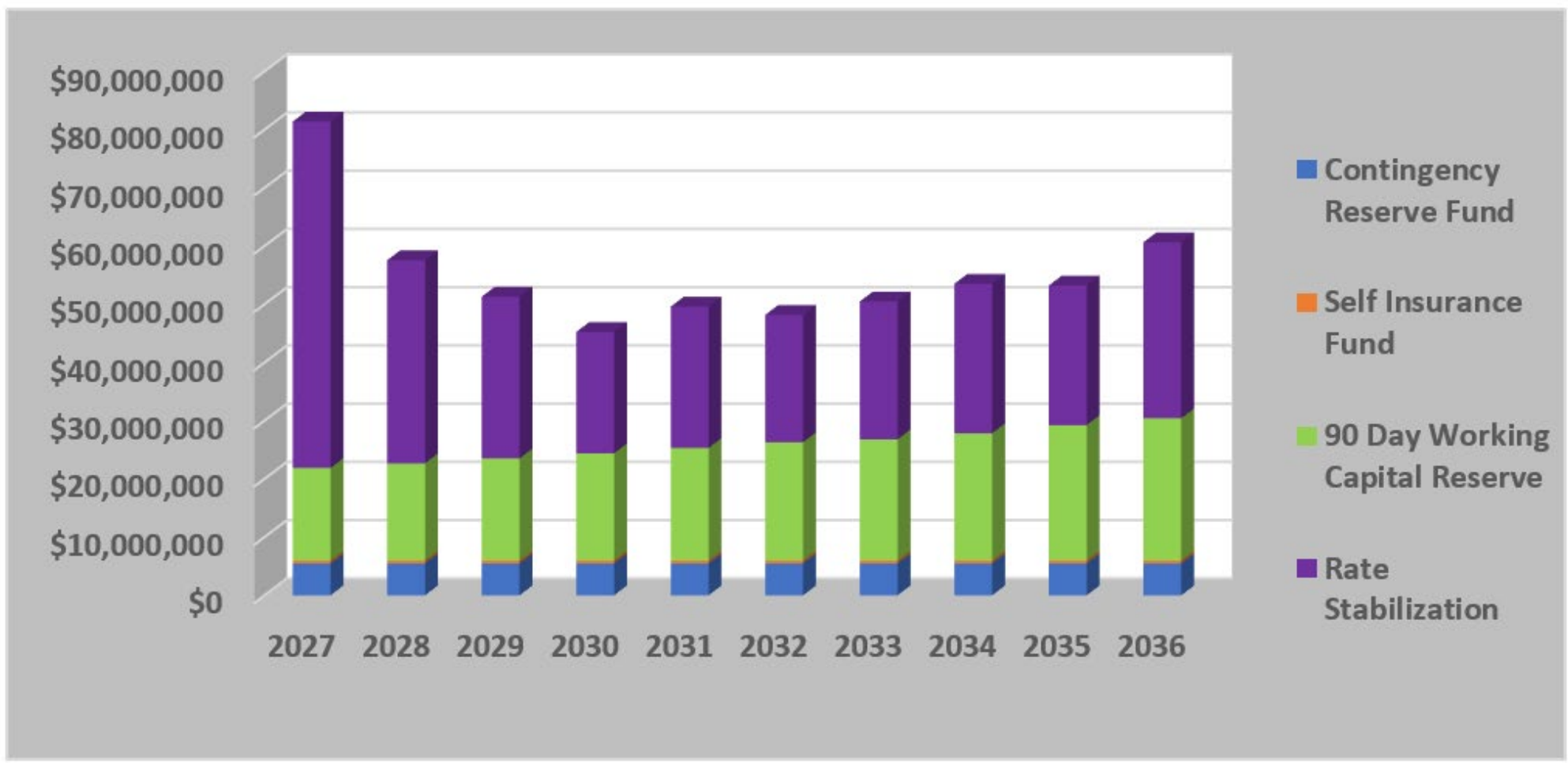


# ***System Rate Forecasting***

- **Once all of the expense data and Non-System Rate revenues have been updated in the model, we begin the process of “balancing” the model.**
  - **This involves adjusting the System Rate, issuing new debt, or utilizing Rate Stabilization Reserves to make sure all of the following financial stability tests are met:**
    - **Debt Service Coverage of at Least 1.3**
    - **90-Day Working Capital Reserve**
    - **Contingency Reserve Fund (Currently \$5.5M)**
    - **Self-Insurance Reserve Fund (Currently \$500K)**
    - **Balanced Budget**



# Projected Year-End Reserve Balances





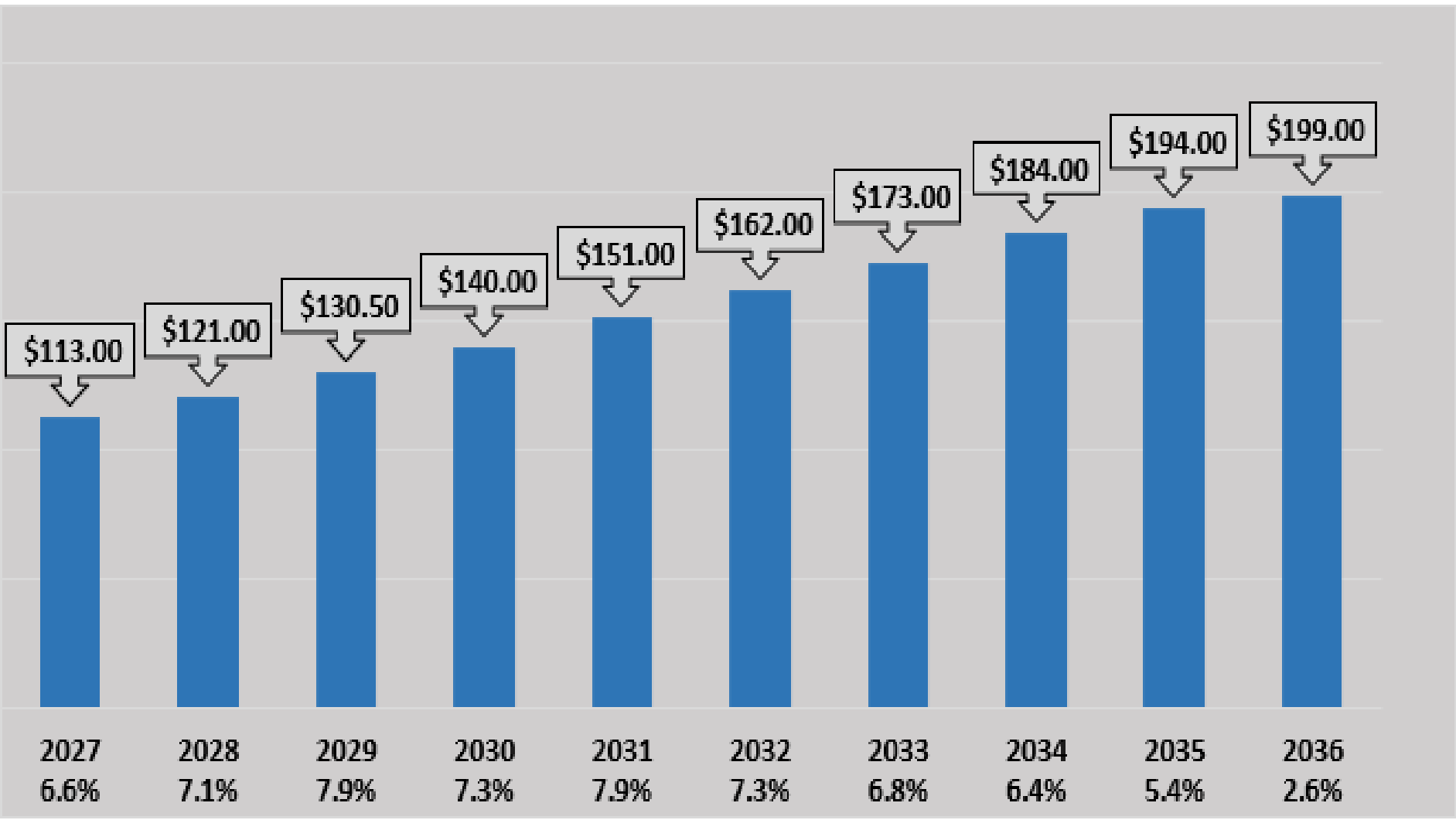
# ***Rate Stabilization Utilization***

	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
<b>Calculated System Rate</b>	\$ 113.00	\$ 143.00	\$ 160.50	\$ 170.00	\$ 151.00	\$ 170.00	\$ 173.00	\$ 192.00	\$ 212.00	\$ 214.00
<b>Rate Stabilization Reserves Used (in 000's)</b>	\$ -	\$ 11,000	\$ 15,000	\$ 15,000	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ 12,000	\$ 10,000
<b>Reduction to System Rate</b>	\$ -	\$ (22)	\$ (30)	\$ (30)	\$ -	\$ (8)	\$ -	\$ (8)	\$ (18)	\$ (15)
<b>Projected System Rate</b>	\$ 113.00	\$ 121.00	\$ 130.50	\$ 140.00	\$ 151.00	\$ 162.00	\$ 173.00	\$ 184.00	\$ 194.00	\$ 199.00

**BRA's goal is to avoid large spikes in the System Water Rate from one year to another. Rate Stabilization Reserves are used to offset rate increases and provide a more predictable rate structure.**



# *System Rate Projection*





***What does  
\$113 per  
Acre Foot of  
Water Look  
Like?***





# How does that translate to Treated Water Costs?





Brazos River Authority

***Questions?***



Brazos River Authority



**Brazos**  
— ★ —  
**RIVER AUTHORITY**