



Brazos River Authority



***Welcome To Our 2025
Annual Customer Meeting***

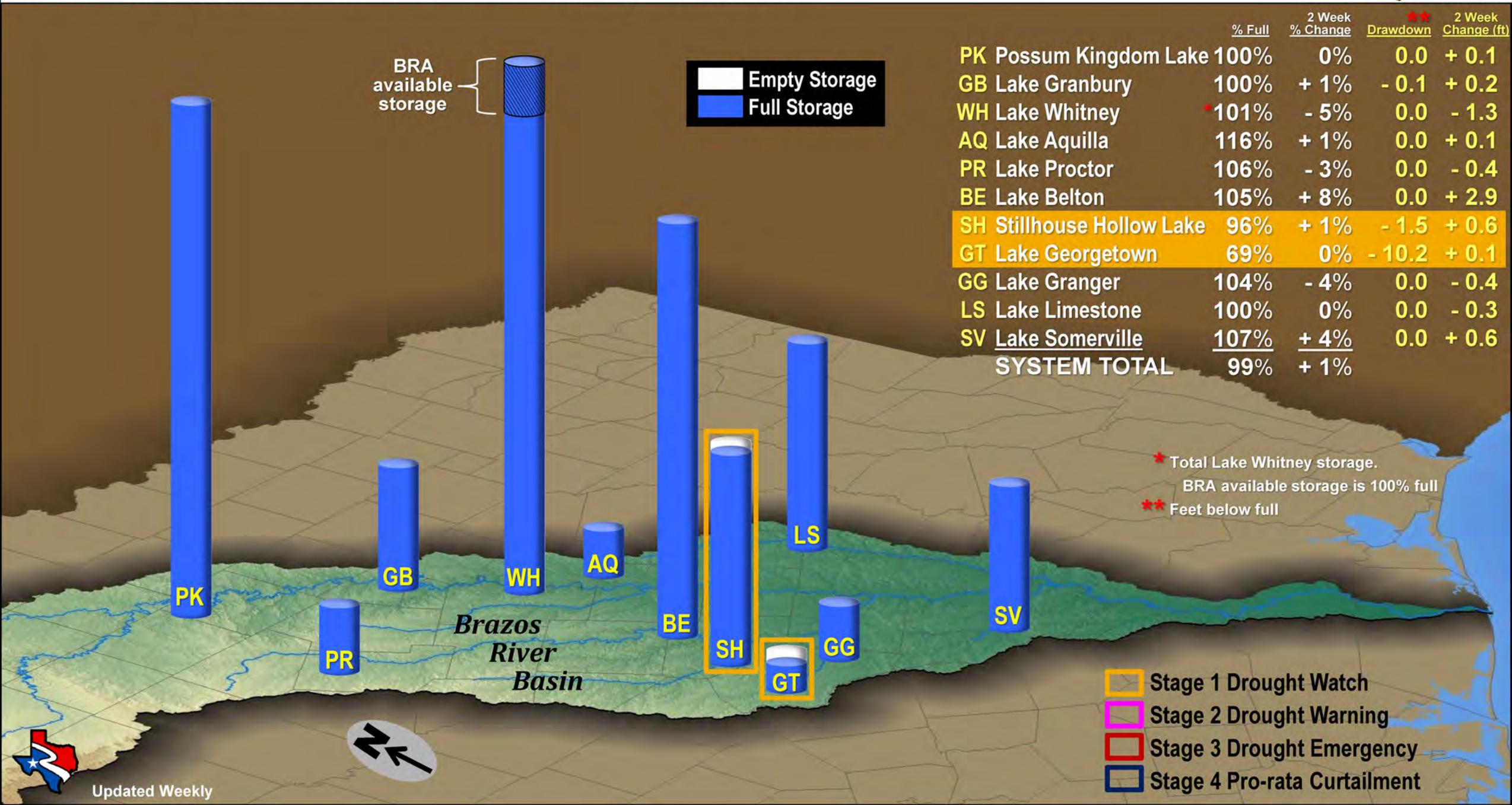
***Presented by
David Collinsworth
General Manager/CEO***



Water Supply Update

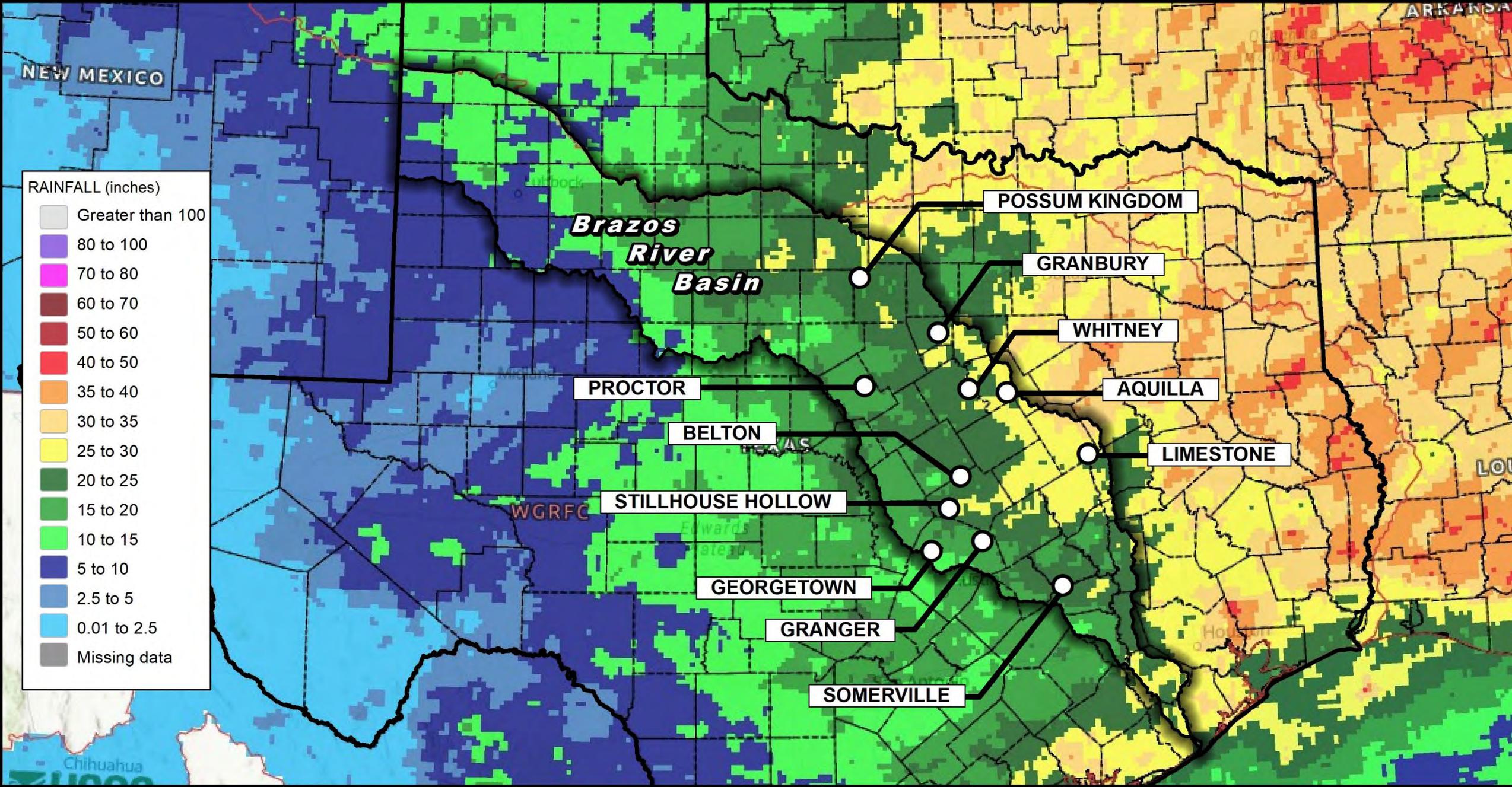
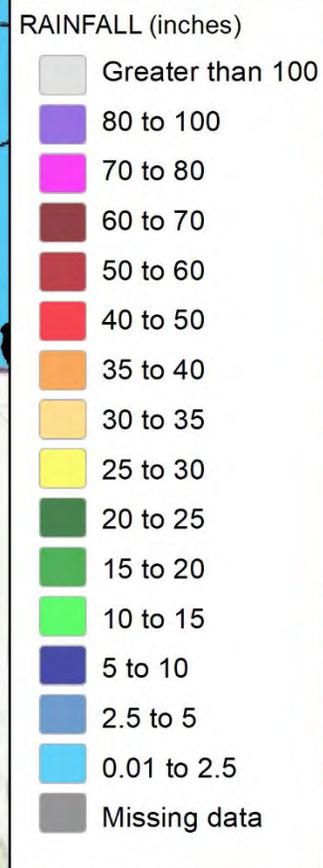
***Presented by
Aaron Abel
Water Services Manager***

BRA Water Supply Reservoirs "PERCENT FULL" June 25, 2025



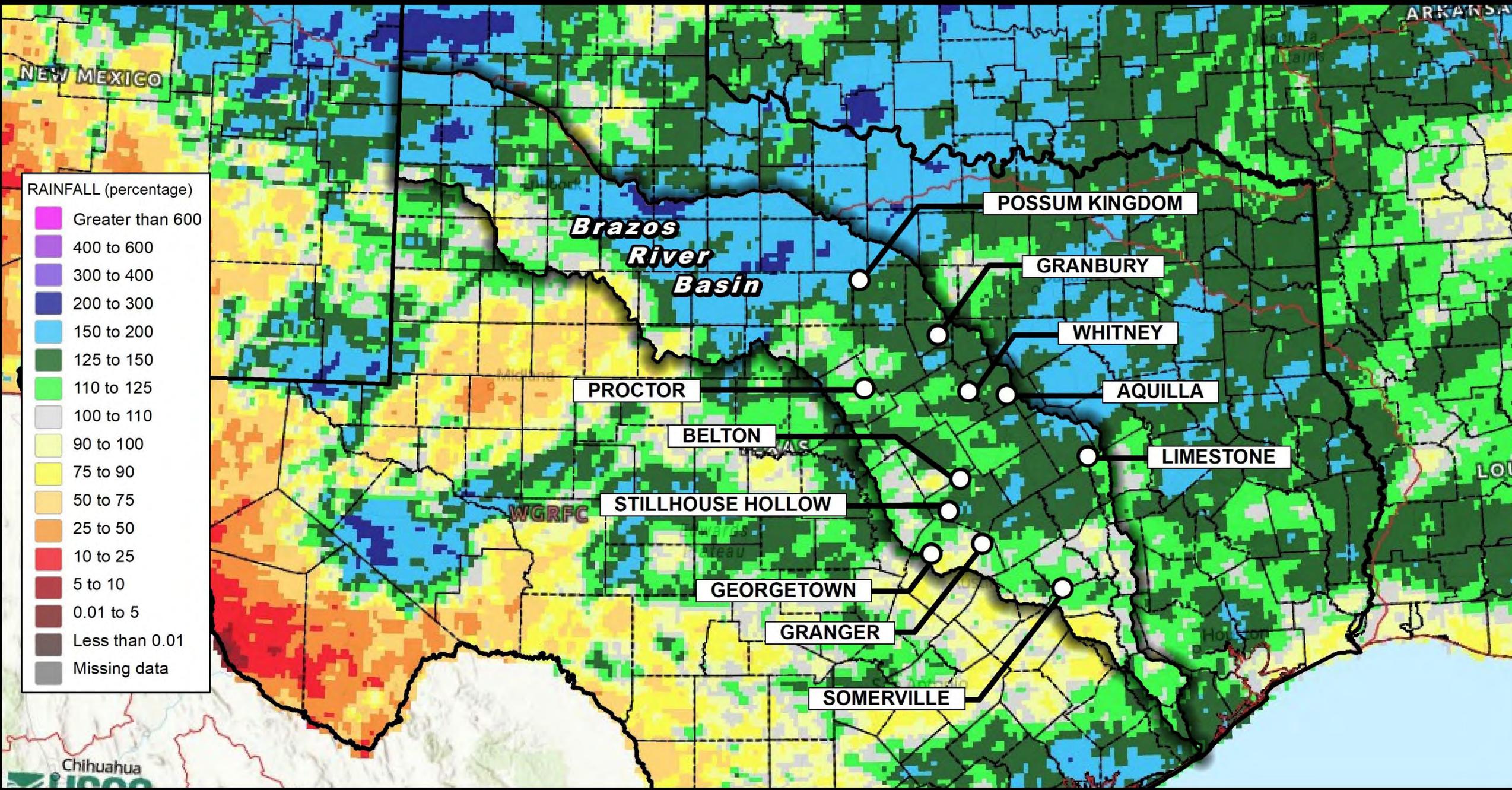
June 16, 2025

Year to Date Observed Precipitation



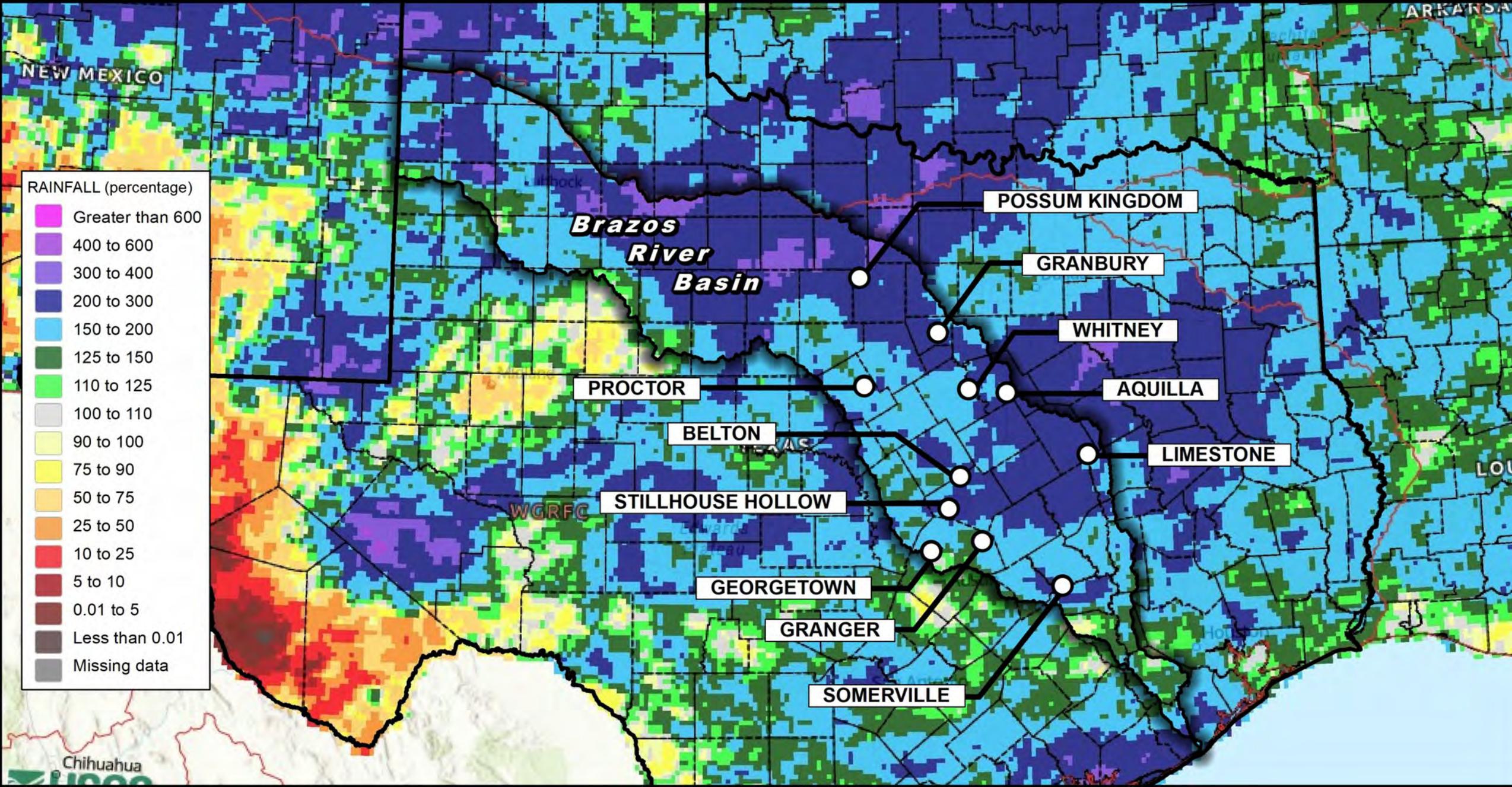
June 16, 2025

Year to Date Percent of Normal Precipitation



June 16, 2025

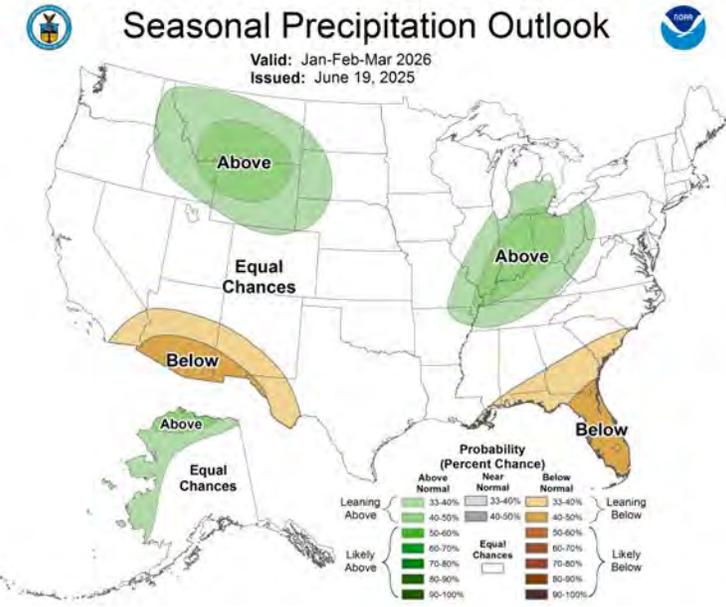
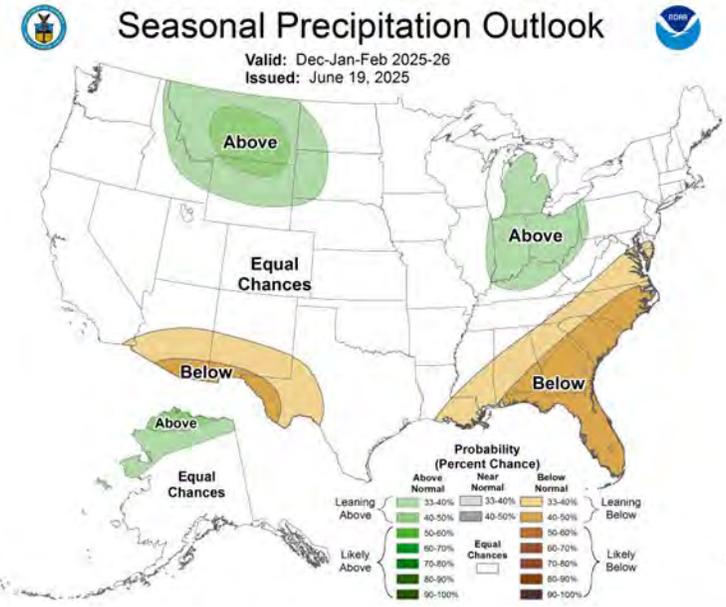
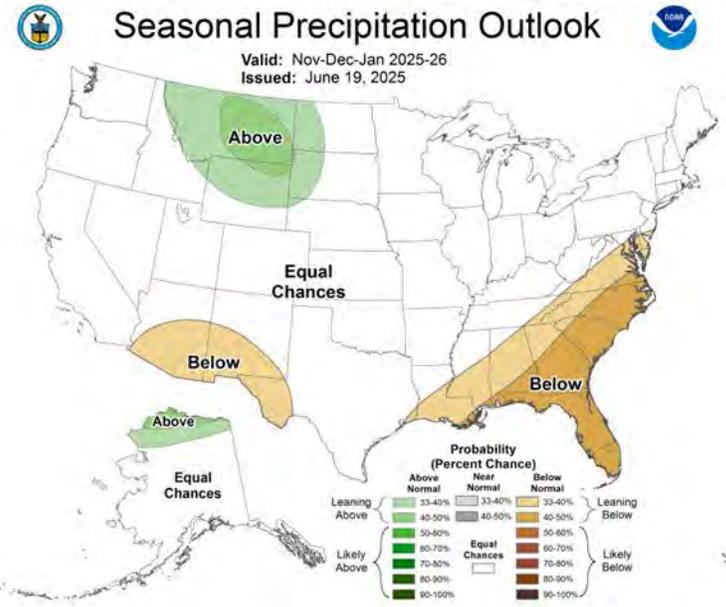
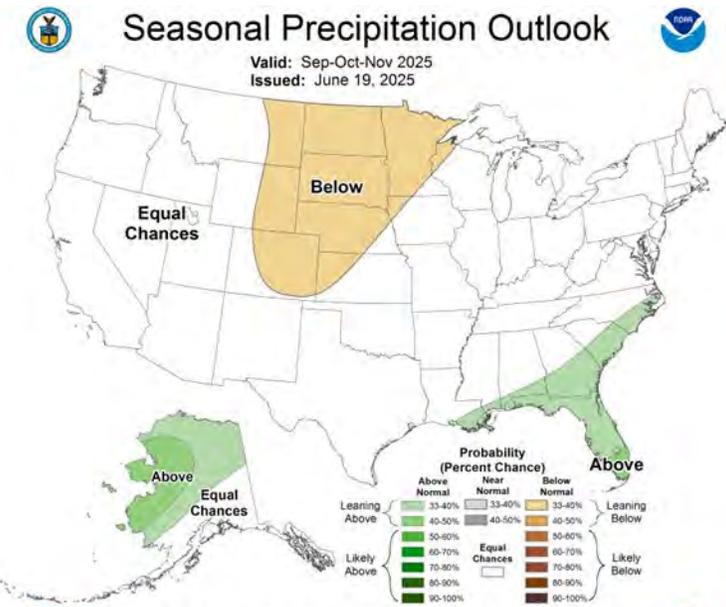
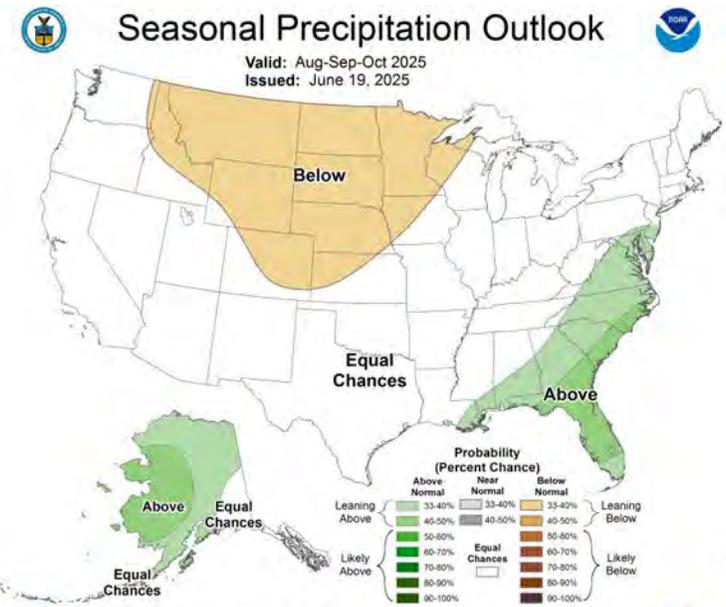
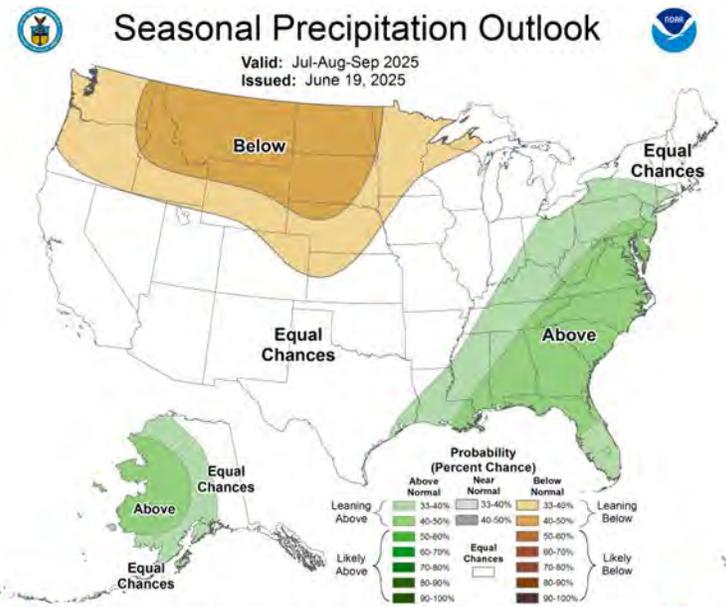
60-Day Percent of Normal Precipitation





Long-term Seasonal Precipitation Outlook

Brazos River Authority

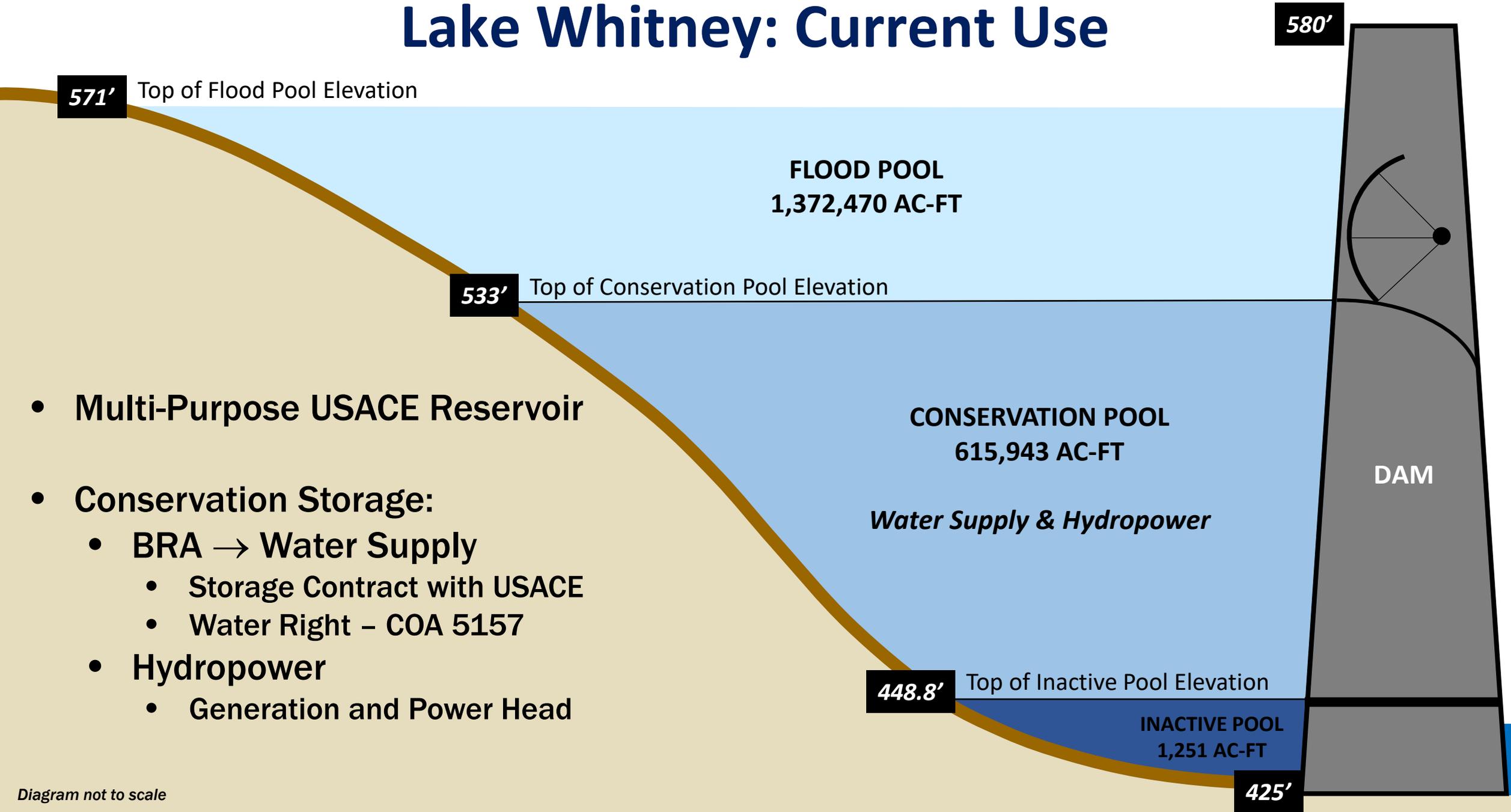




Lake Whitney Reallocation Feasibility Study

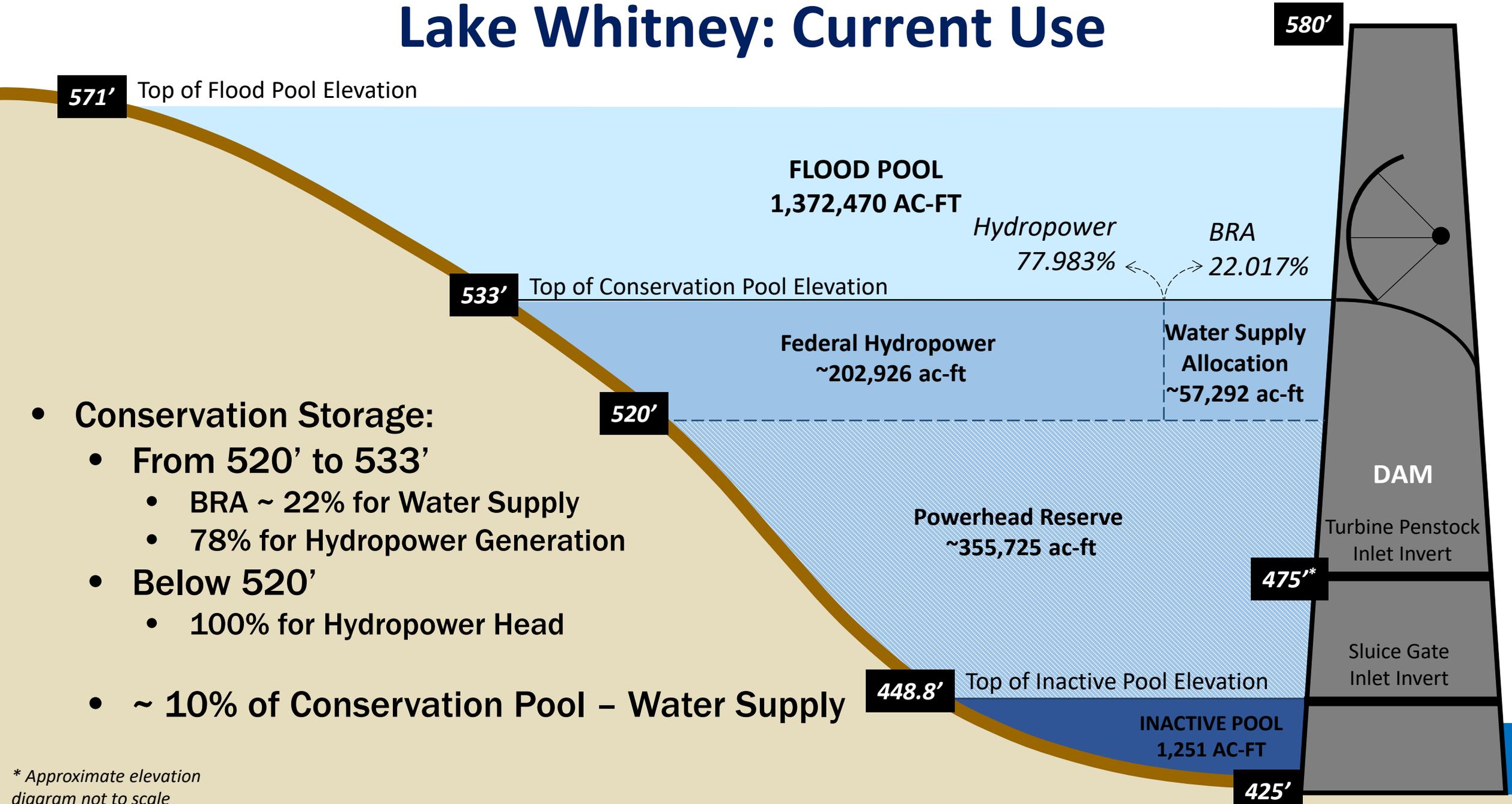
***Presented by
Peyton Lisenby
Senior Water Resources Planner***

Lake Whitney: Current Use



- Multi-Purpose USACE Reservoir
- Conservation Storage:
 - BRA → Water Supply
 - Storage Contract with USACE
 - Water Right – COA 5157
 - Hydropower
 - Generation and Power Head

Lake Whitney: Current Use



- **Conservation Storage:**
 - **From 520' to 533'**
 - BRA ~ 22% for Water Supply
 - 78% for Hydropower Generation
 - **Below 520'**
 - 100% for Hydropower Head
- **~ 10% of Conservation Pool – Water Supply**

* Approximate elevation
diagram not to scale



Reallocation Feasibility Study:

Purpose and Goal

- **Assess alternatives to provide additional water supply storage to meet immediate and future needs in the Brazos River Basin.**
- **Assess volume of available water associated with different reallocation alternatives.**
- **Identify best alternative to meet increased demands and improve system efficiency, while minimizing environmental impacts and effects on other authorized purposes.**

Lake Whitney Reallocation Alternatives

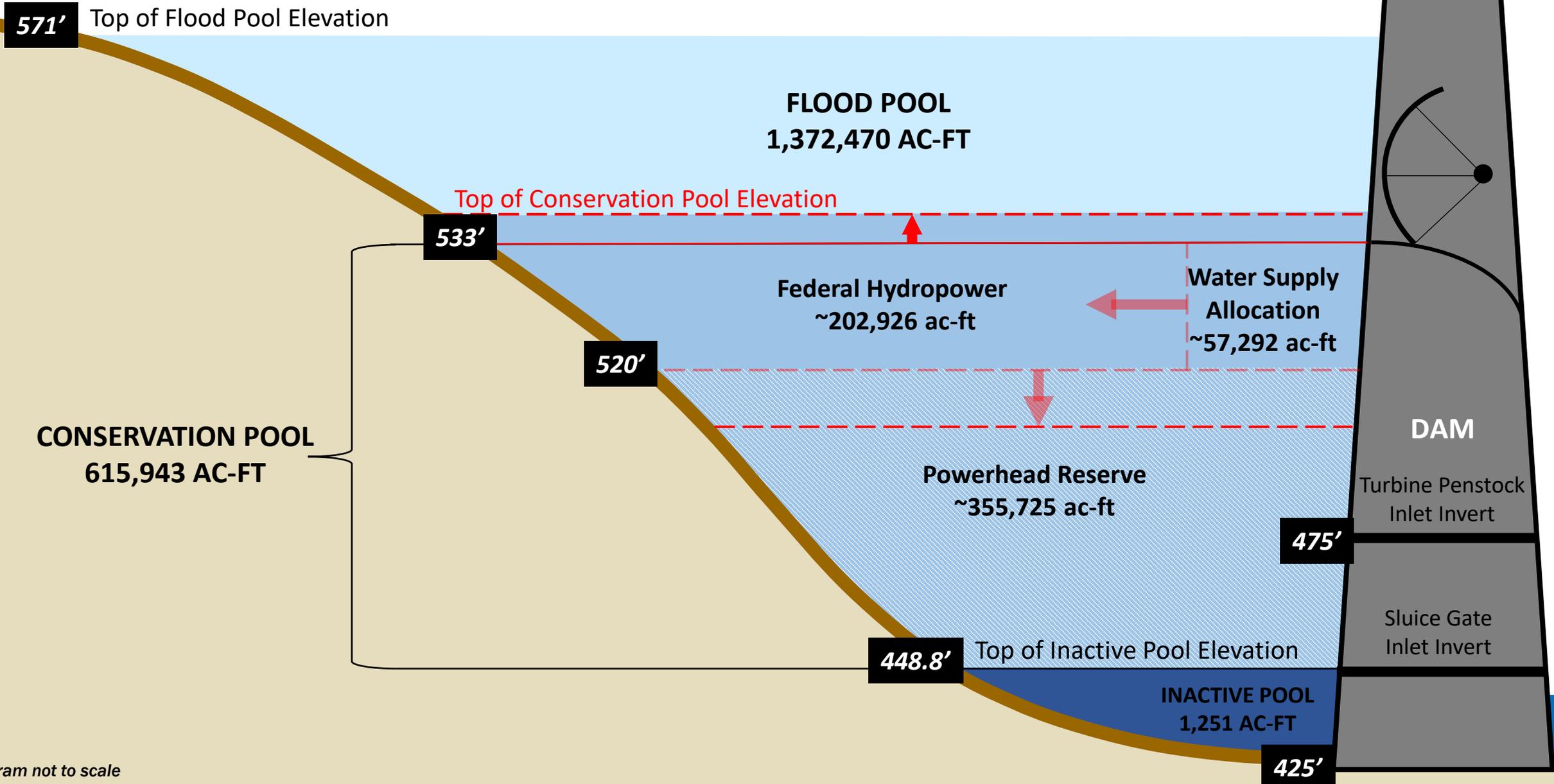


Diagram not to scale



Study Progress

- **Spring 2023** **Executed FCSEA → Study Begins**
- **Summer 2023** **Study Preplanning → Establish Alternatives → AMM**
- **Fall 2023** **VTAM → USACE Vertical Team Approve Study Objective and Methods**
- **Spring 2024** **Model Development**



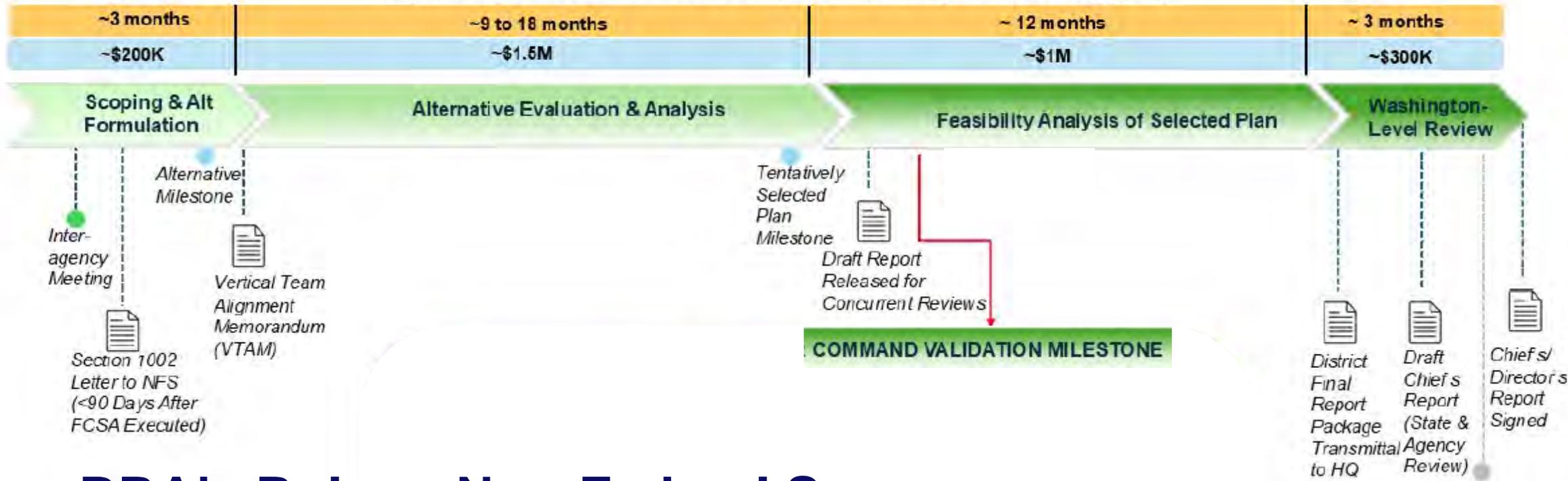
Study Progress

- **Summer-Winter 2024** **Alternative Analysis and Model Refinement**
- **Spring 2025** **Tentatively Selected Plan (TSP)**
- **Summer 2025** **Draft Report and Notice**



Feasibility Study Timeline and Milestones

Key Decision and Product Milestones in a 3-Year, \$3 Million, Vertically Coordinated Study (3x3x3)



- **BRA's Role → Non-Federal Sponsor**
 - **Contributes 1/2 of the study costs = \$1.5 million**
 - **Aids in model development and analysis**
 - **Supplies pertinent system and demand data**
 - **Reviewing data and report language**

Reallocation Alternative - TSP

Alt 2a BRA Storage + New Storage (520'-512')

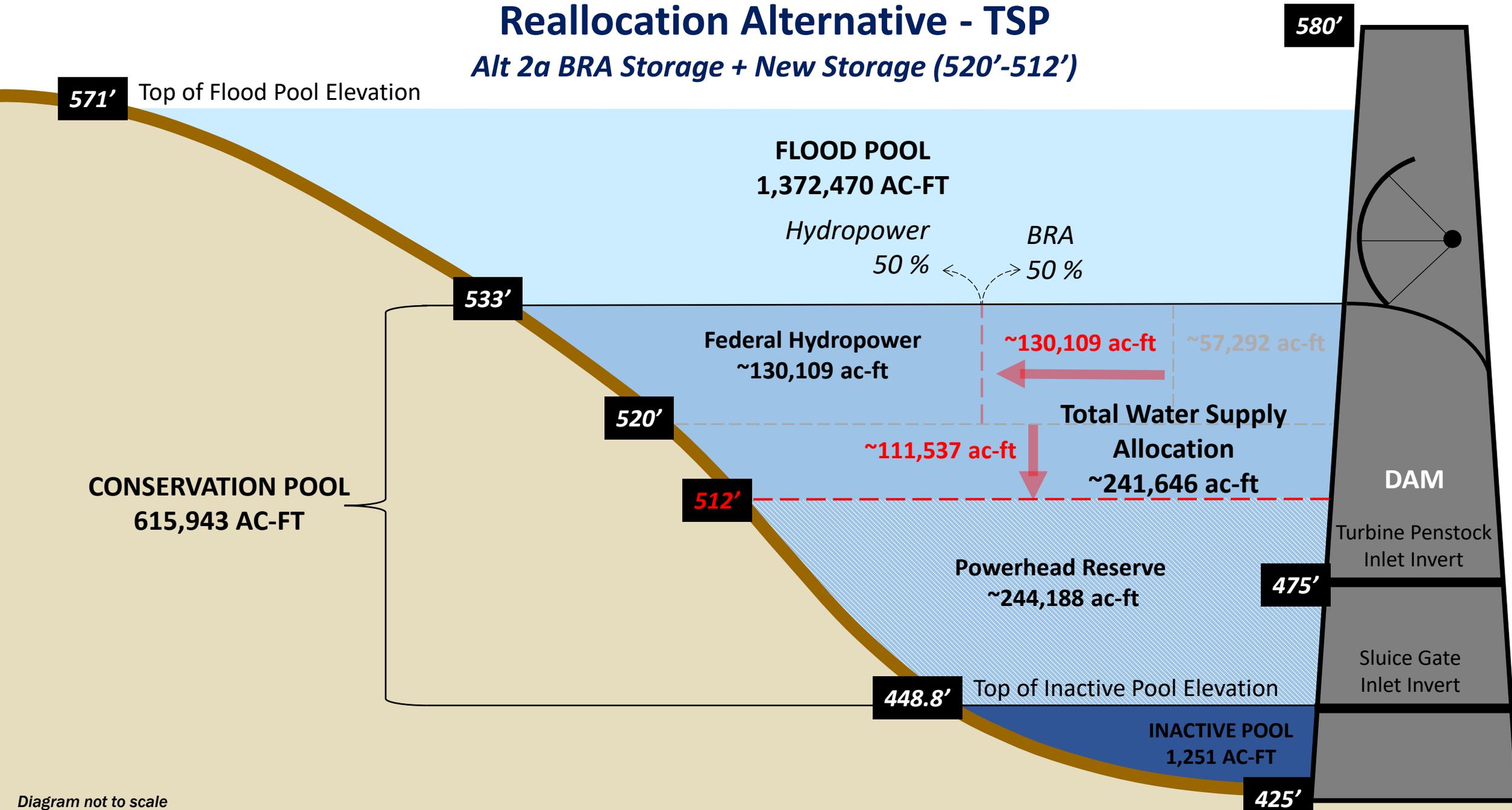


Diagram not to scale



10-Year Water Management Plan Update

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



Purpose and Goal

- **The Water Management Plan (WMP) is part of the BRA's System Operation (SysOps) Permit 5851.**
- **TCEQ requires BRA to update the WMP every ten years (minimum) to maintain the SysOps Permit.**
- **The update consists of changes to demand, supply, and hydrology data to reflect changes in conditions since the Sys Ops Permit was initially issued.**



Project Progress

- **2023 Freese & Nichols, Inc., Hired as Engineering Consultant**
- **2024 Data Compilation and Review**
- **2025 TCEQ Coordination and Analysis**



Allens Creek Reservoir Update

***Presented by
Rachel Lane
Program Manager – Allens Creek Reservoir***



Allens Creek Reservoir

- Overview of Allens Creek Location
- 9,500-Acre Property Solely Owned by BRA
- Pumped Storage Reservoir for Water Storage and Use
- Permitting and Design with Gannett-Fleming TranSystems





Current Site Activities



Field Survey
Utility Survey
Topographic
Studies



River
Geomorphology
and
Sediment
Transport
Studies



Cultural and
Environmental
Survey



Geotechnical
Investigation



Work in Progress

Allens Creek Reservoir

Brazos River Authority





Allens Creek Reservoir: Next Steps



- **Permitting and Design**
- **Total Time for Permitting, Design, and Construction Could be ~ 10+ Years**
- **Continued Updates**
 - **Future communication? Send your contact information to Rachel.Lane@brazos.org**



Legislative Update

***Presented by
Matt Phillips
Deputy General Manager***



Water Infrastructure Funding

- **HB 500-Supplemental Appropriations-includes \$2.5 billion for water infrastructure (one-time)**
- **HJR 7-Dedicated funding for water infrastructure (\$1 billion continuous/20 years)**
- **SB 7-Oversight and financing of certain water infrastructure matters**
- **SB 1261-Financing of State Water Plan projects**



Fiscal Year 2026 Proposed Budget

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



Water Supply Revenue

Non-System Rate Water Sales

- **Non-System Water Sales are expected to stay relatively level with FY 2025.**

Other Water Supply Revenues

- **Interest Income is expected to decrease by \$700K due to lower cash balances as reserves are used to fund capital projects and interest rates are expected to be lower.**
- **Treated water sales at our East Williamson County facility are expected to increase by \$588K due to increased demand.**

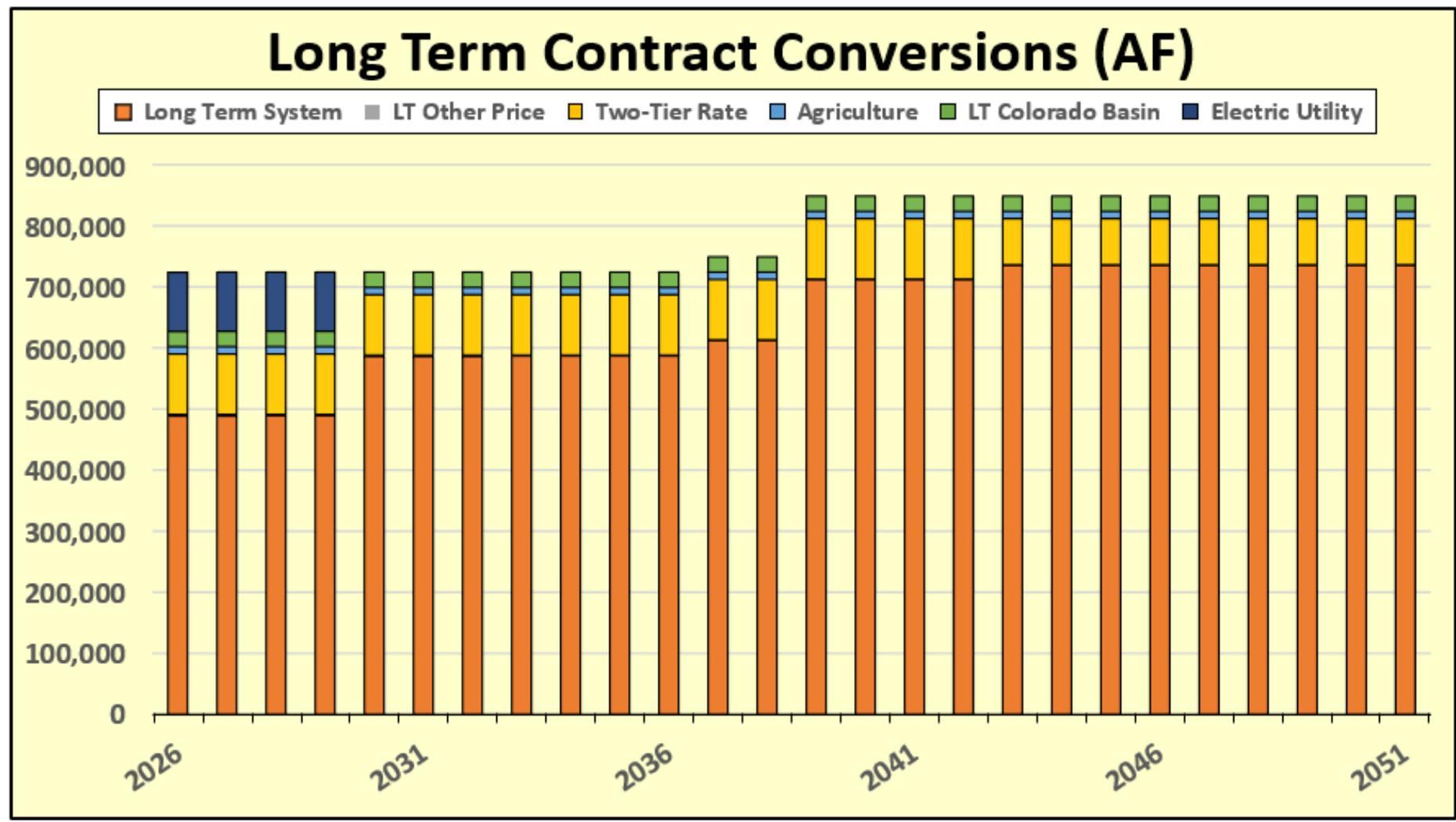


Long Term Billing Units and Average Price

	FY 2025			FY 2026		
	Units	Avg. Price	%	Units	Avg. Price	%
System Rate	481,740	\$99.50	66%	488,357	\$106.00	67%
Agricultural	15,661	\$69.65	2%	11,911	\$74.20	2%
Two-Tier	98,999	\$19.54	14%	98,999	\$19.75	14%
Other Fixed Price	8,683	\$19.76	1%	2,784	\$36.81	0%
Electric Utility	97,000	\$21.70	13%	97,000	\$21.70	13%
Colorado Basin	24,700	\$103.83	3%	24,700	\$100.53	3%
	726,783		100%	723,751		100%



Estimated Water Contract Conversions



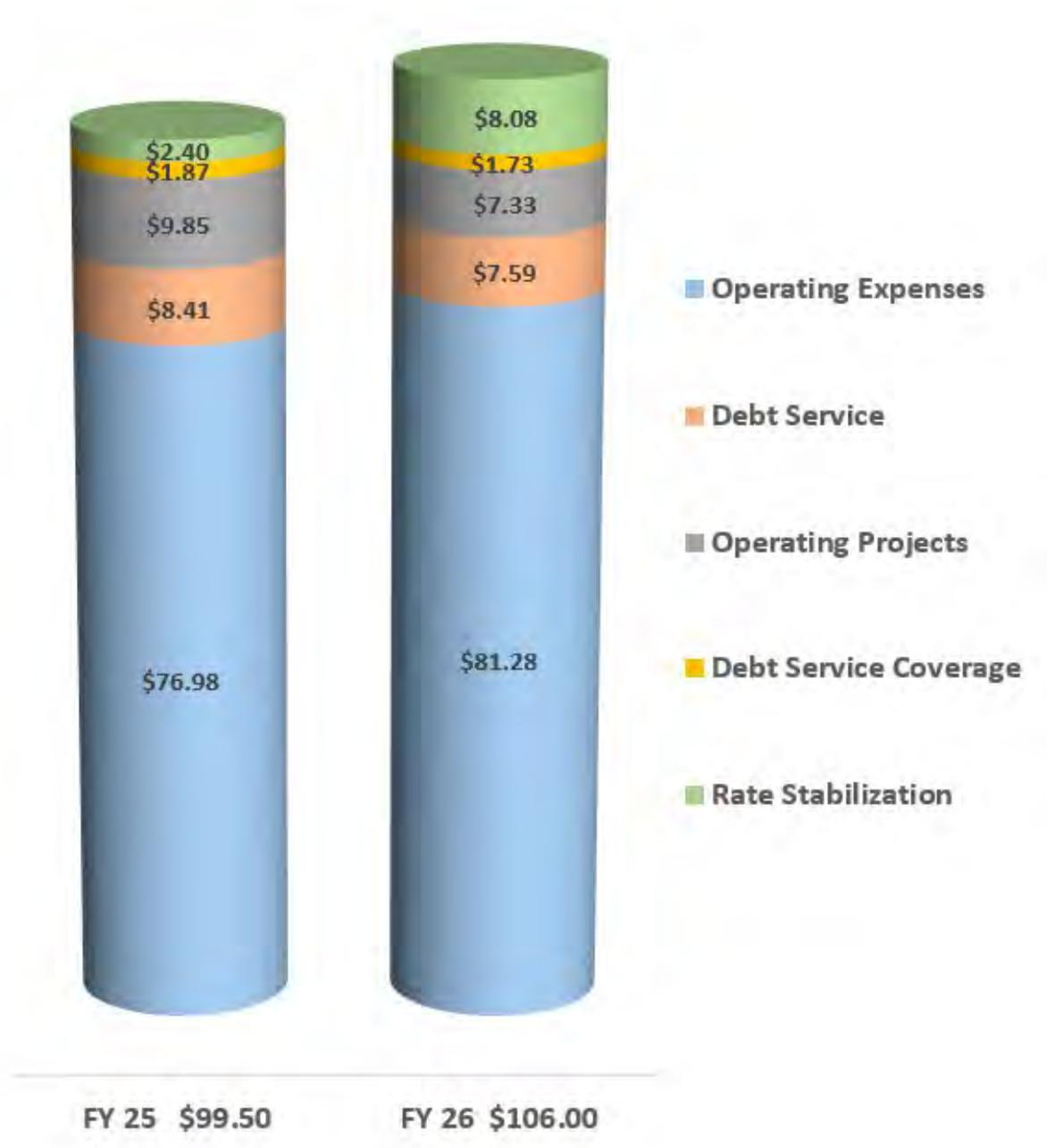


System Rate Calculation

	FY 25 Budget	FY 26 Budget
Non-System Water Rate Revenues		
Non-System Water Revenues	8,503	8,255
Other Water Supply Revenues	22,685	22,675
Total Non-System Water Rate Revenues	\$ 31,188	\$ 30,930
Water Supply Expenses		
Water Supply O&M Expenditures	61,527	63,400
Water Supply Debt Service (subject to coverage)	4,474	4,473
Water Supply Debt Service (not subject to coverage)	1,448	1,448
Operating Project Expenditures	7,075	5,715
Total Water Supply Expenses	\$ 74,524	\$ 75,036
Debt Coverage Requirement (1.3 ratio)	1,342	1,342
Rate Stabilization Reserve Contribution	3,250	6,300
Total Financial Requirement	\$ 47,928	\$ 51,748
Total System Water Billing Units (acre feet)	481,740	488,357
Calculated System Rate (Financial Requirement/Number of System Rate Units)	\$ 99.50	\$ 106.00



System Rate Composition





FY2026 Budget Summary

All Lines of Business (in millions)

	<u>Water Supply</u>	<u>Cost Reimbursable</u>	<u>Total</u>
<u>Beginning Reserves</u>	\$ 104.6	\$ -	\$ 104.6
Revenues	82.7	22.6	105.3
Expenses - O & M	(63.4)	(15.5)	(78.9)
Expenses - Debt Service	(5.9)	(3.1)	(9.0)
Operating Projects	(5.7)	-	(5.7)
Surplus	7.7	4.0	11.7
Capital Improvement Projects	(91.7)	(4.0)	(95.7)
Debt Funding	33.0	-	33.0
Ending Reserves	\$ 53.5	\$ -	\$ 53.5



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**



Operating Projects – 5-Year Plan

Project Name	Project Type	Amounts in 000's				
		FY 26	FY 27	FY 28	FY 29	FY 30
BW-ES-Brazos Water Snake Study	Studies/Assessments	\$ 66	\$ -	\$ -	\$ -	\$ -
BW-IT-Technical Security Upgrades	Technology	850	-	-	-	-
BW-TS- Risk Based Capital Planning and Management Support	Studies/Assessments	505	-	-	-	-
CB-WH-Lake Whitney Reallocation Study	Studies/Assessments	500	-	-	-	-
UB-PK-Elevators Replacement	Infrastructure Maintenance	400	-	-	-	-
UB-ES-Comprehensive Water Quality Modeling Tool for PK	Studies/Assessments	1,250	1,250	-	-	-
UB-LG-Embankment Stability Analysis and Assessment	Studies/Assessments	159	500	-	-	-
UB-LG-Tainter Gate Evaluation	Infrastructure Maintenance	700	50	-	-	-
UB-PK-COC Recoating and Repairs	Infrastructure Maintenance	750	1,688	-	-	-
UB-PK-Bay 9 Transition Beam Leak Remediation	Infrastructure Maintenance	535	536	200	-	-
UB-LG-Low Flow Facility Retaining Wall	New Infrastructure	-	100	50	-	-
UB-PK-Seismic Analysis & Hydrographic Sedimentation Survey	Studies/Assessments	-	600	-	-	-
LB-LL-Upstream Embankment Assessment	Studies/Assessments	-	-	600	-	-
UB-PK-Emergency Spillway Evaluation	Studies/Assessments	-	-	600	-	-
UB-LG-Facility Access Walkways	New Infrastructure	-	-	200	1,250	-
UB-PK-Red Bluff Bridge Repair	Infrastructure Maintenance	-	-	300	1,100	-
UB-WS-PK Probable Maximum Flood Analysis	Studies/Assessments	-	-	400	400	-
LB-LL-Concrete Assessment & Repairs (CAASLE)	Infrastructure Maintenance	-	-	-	625	625
UB-LG-South Dike Erosion Repair	Infrastructure Maintenance	-	-	-	130	110
UB-LG-Targeted Concrete and Structural Condition Assessment	Studies/Assessments	-	-	-	-	833
UB-PK-Powerhouse Infrastructure Stabilization	Infrastructure Maintenance	-	-	-	-	350
Totals		\$ 5,715	\$ 4,724	\$ 2,350	\$ 3,505	\$ 1,918



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.

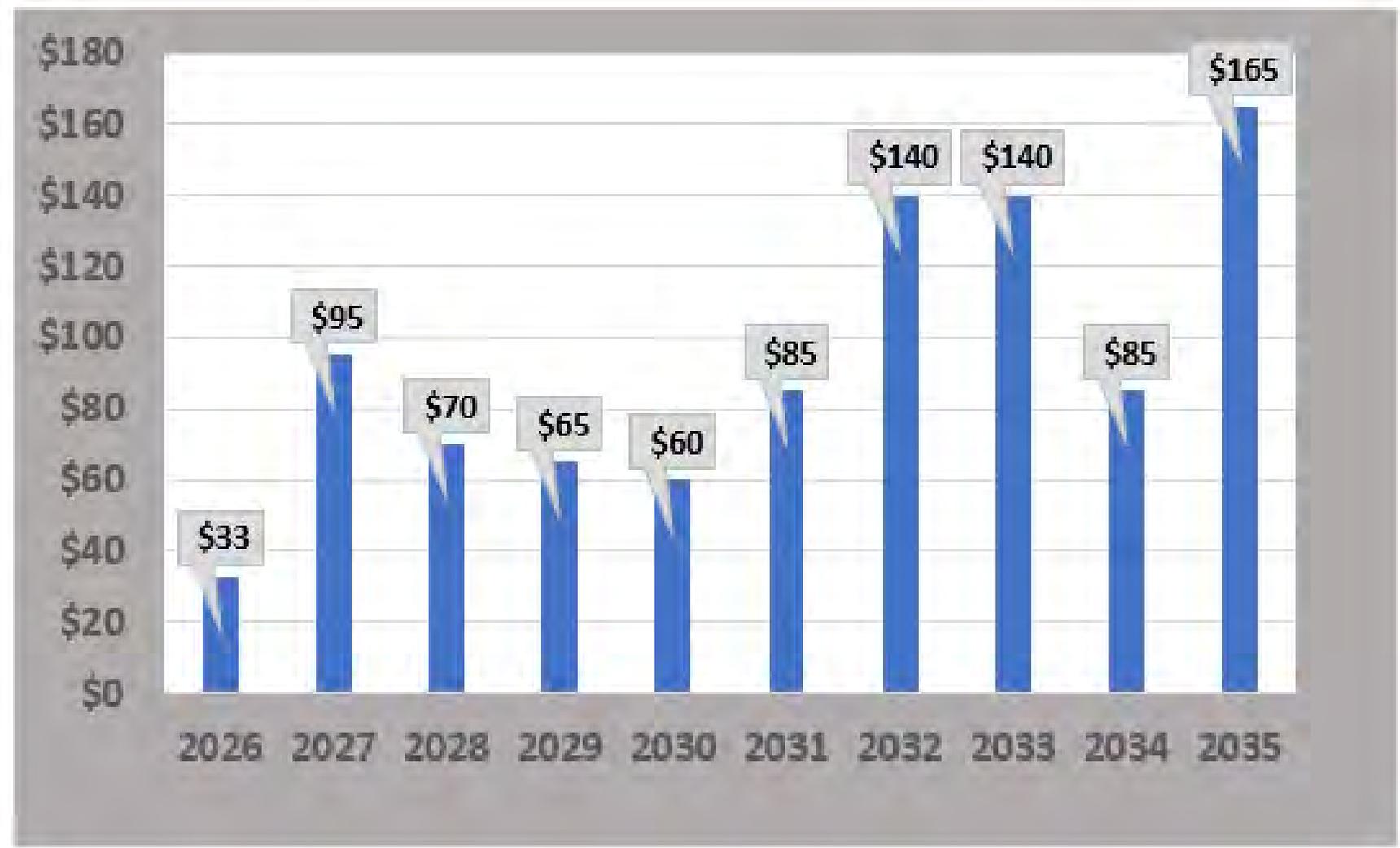


Capital Improvement Projects 5-Year Plan

Project Name	Project Type	Amounts in 000's				
		FY 26	FY 27	FY 28	FY 29	FY 30
CB-BE-Belhouse Drought Preparedness	New Infrastructure	8,658	11,748	13,345	4,833	34,826
LB-LL-Hydrostatic Relief System Assessment & Replacement	Infrastructure Maintenance	500	1,517	1,168	1,273	4,116
LB-LL-Low Flow Facility Modifications & Improvements	Infrastructure Maintenance	750	500	1,005	3,504	3,504
CB-WCR-WCRRWL Phase 3 Pumps	Water Distribution	3,978	6,052	22,969	19,990	12,766
LB-AC-Allens Creek Reservoir	New Water	8,200	16,500	16,500	16,500	24,000
UB-LG-Hearth Stability Analysis	Infrastructure Maintenance	75	255	4,800	4,770	-
UB-LG-Stoplog Replacement System	Infrastructure Maintenance	2,006	5,479	4,750	-	-
CB-EW-EWCRWS Expansion Phase II (to 27.8 MGD)	New Infrastructure	28,440	56,407	56,868	-	-
UB-PK-Bay #9 Weir Box	Infrastructure Maintenance	255	255	560	-	-
UB-PK-Flow Control Gate Replacement	Infrastructure Maintenance	800	150	150	-	-
CB-EW-EWCRWS 48" Treated Water Pipeline	New Infrastructure	8,530	27,052	-	-	-
UB-LG-Buttress 1 and 44 Repairs	Infrastructure Maintenance	425	1,800	-	-	-
CB-EW-Trinity Well #1 Infrastructure	New Infrastructure	25,074	-	-	-	-
CO-ES-Environmental Services Building	New Infrastructure	1,364	-	-	-	-
LB-LL-Park 5 Access Pier and Park Upgrades	New Infrastructure	900	-	-	-	-
LB-LL-Tainter Gate Replacement and Improvements	Infrastructure Maintenance	4,127	-	-	-	-
UB-LG-Low Flow Facilities	Infrastructure Maintenance	1,600	-	-	-	-
CB-GR-Lake Granger Intake Expansion	New Infrastructure	-	-	1,920	-	-
UB-PK-COC Ring Jet Valve Replacement	Infrastructure Maintenance	-	-	1,375	2,125	-
LB-LL-Road Repairs & Improvements	Infrastructure Maintenance	-	-	-	150	1,000
LB-LL-Upstream Embankment Construction	Infrastructure Maintenance	-	-	-	100	600
UB-LG-Tainter Gate Recoating	Infrastructure Maintenance	-	-	-	480	2,470
UB-PK-North/South Bank Reconstruction	Infrastructure Maintenance	-	-	-	500	269
UB-LG-Rip Rap Repair	Infrastructure Maintenance	-	-	-	-	500
UB-LG-Tainter Gate Transmission System Modifications	Infrastructure Maintenance	-	-	-	-	750
CB-EW-EWCRWS High Service Pumps Replacement	Infrastructure Maintenance	-	-	-	-	250
Totals		\$ 95,682	\$ 127,715	\$ 125,410	\$ 54,225	\$ 85,051



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.**

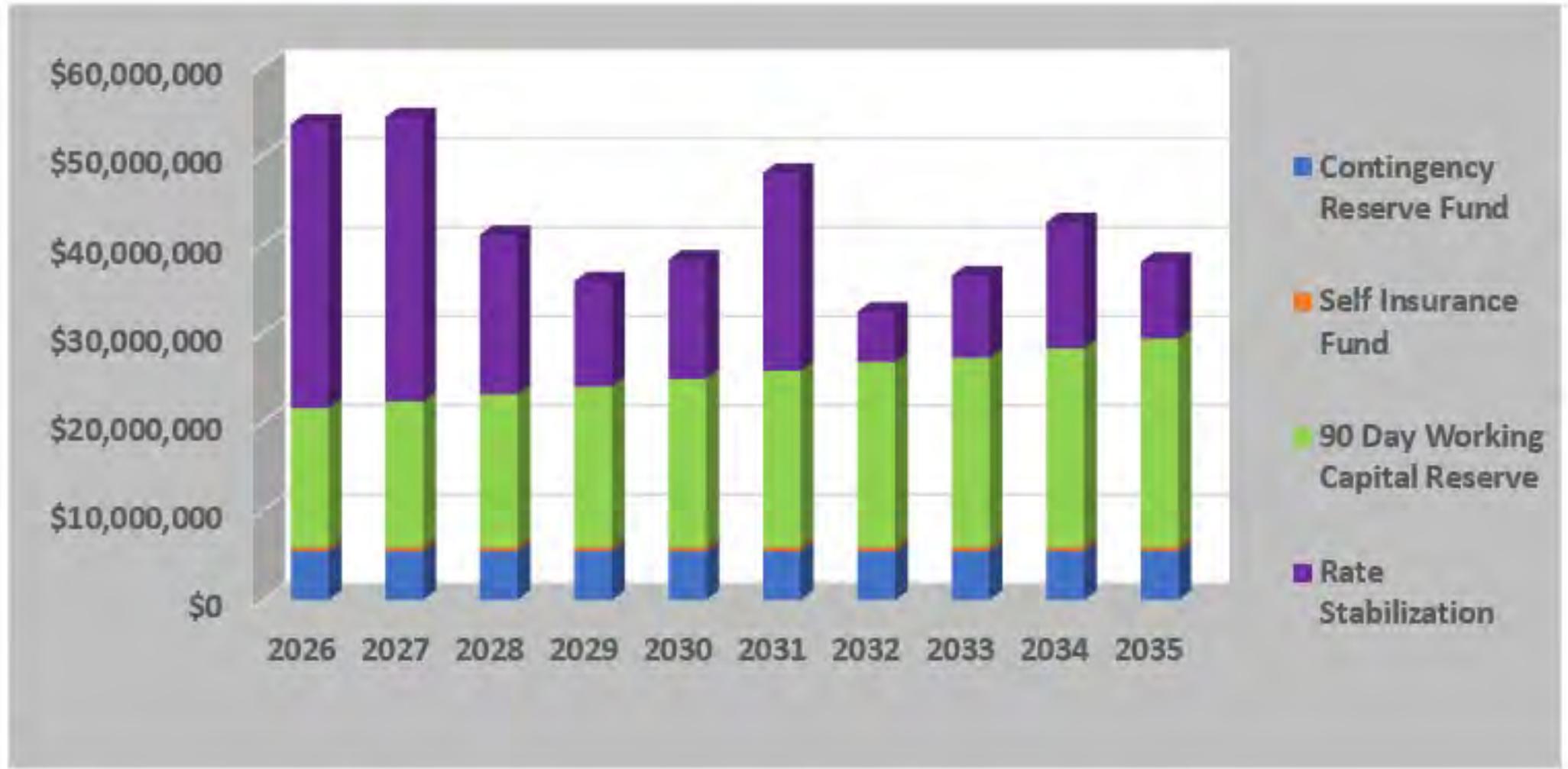


System Rate Forecasting

- **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





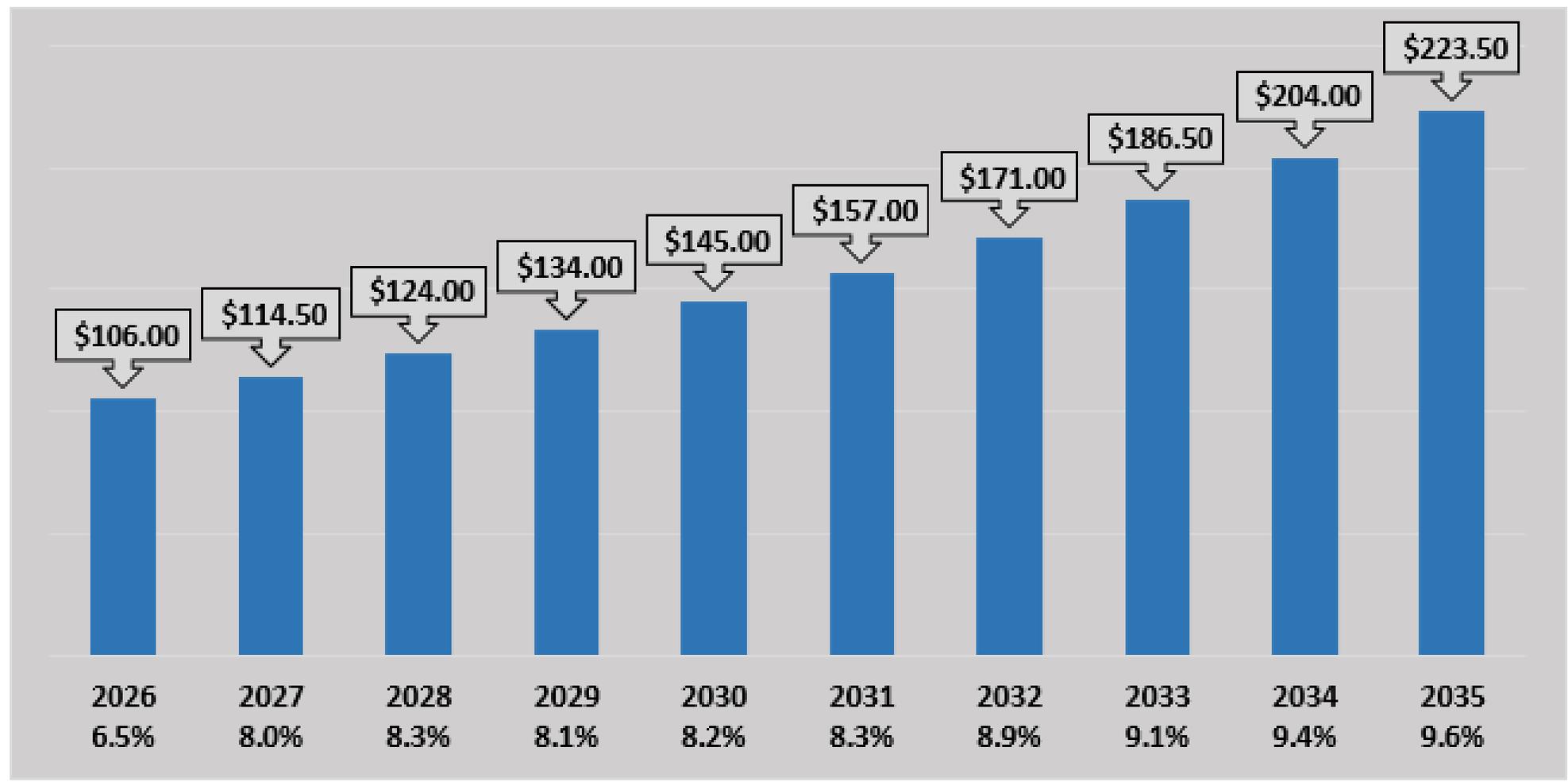
Rate Stabilization Utilization

	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Calculated System Rate	\$ 106.00	\$ 128.50	\$ 134.00	\$ 142.00	\$ 145.00	\$ 164.00	\$ 177.00	\$ 199.50	\$ 221.00	\$ 239.50
Rate Stabilization Reserves Used (in 000's)	\$ -	\$ 7,000	\$ 5,000	\$ 4,200	\$ -	\$ 4,000	\$ 3,750	\$ 7,500	\$ 10,000	\$ 9,500
Reduction to System Rate	\$ -	\$ (14)	\$ (10)	\$ (8)	\$ -	\$ (7)	\$ (6)	\$ (13)	\$ (17)	\$ (16)
Projected System Rate	\$ 106.00	\$ 114.50	\$ 124.00	\$ 134.00	\$ 145.00	\$ 157.00	\$ 171.00	\$ 186.50	\$ 204.00	\$ 223.50

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
\$106 per
Acre Foot of
Raw Water
Look Like?***





How does that translate to Treated Water Costs?



Based on TML's 2024 Average Residential Water Rates



Brazos River Authority

Questions?



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