



# ***Drought Contingency Plan Update***

***Aaron Abel  
Water Services Manager***



# ***Drought Contingency Plan Update***



Brazos River  
Authority

**Drought Contingency Plan**

**5-yr updates required by Texas  
Admin. Code, Title 30, Chapter 288**

**Due May 1, 2019**

**Plan to be submitted to TCEQ**

**Coordinated through the Regional  
Water Planning Process**



# ***Drought Contingency Plan Update Process***

- **Public Comment Period – March 22 to April 22**
  - Draft posted on BRA Website (March 22<sup>nd</sup>) <https://www.brazos.org/DCP>
  - Letter notification of the proposed update
  - Posted within the Secretary of State's Office – Texas Register
- **Address Comments**
- **BOD Approval of Proposed Plan – Today**
- **Submit Final Plan by May 1, 2019**



# ***Drought Contingency Plan – Summary of Proposed Changes***

- **Establish new trigger levels**
- **Incorporate the East Williamson County Regional Water System DCP**
- **Referenced seasonal forecasts from the TWDB as a drought monitoring tool**
- **Clarification of pro-rata curtailment language**



# *Trigger Levels*

- **Maintaining 4 trigger levels in the updated Plan:**
  - **Stage 1 Drought Watch**
    - Considers Palmer Hydrological Drought Index & lake level
  - **Stage 2 Drought Warning**
    - Halfway between Stage 1 and Stage 3 lake triggers
  - **Stage 3 Drought Emergency**
    - Greater of 40% capacity or one year supply remaining
  - **Stage 4 Drought Curtailment**
    - Greater of 20% capacity or six month's supply remaining



# Trigger Level Comparison

Reservoir/Reservoir System	Drought Contingency Plan - Drought Trigger Comparison							
	Stage 1		Stage 2		Stage 3		Stage 4	
	Proposed	Current	Proposed	Current	Proposed	Current	Proposed	Current
Lake Aquilla	533.6	533.6	530.5	530.1	526.8	525.8	523.7	523.1
Lake Belton	588.1	587.2	578.7	577.9	566.3	565.8	550.2	549.4
Lake Granger	501.8	501.8	498.4	498.3	494.1	493.7	490.0	489.7
Lake Limestone	357.6	357.5	354.8	354.7	351.5	351.4	346.9	346.2
Lake Proctor	1,158.2	1,158.2	1,156.1	1,155.7	1,153.3	1,152.3	1,150.1	1,149.8
Lake Somerville	234.9	234.8	231.8	231.6	228.2	227.8	223.9	223.9
Lake Possum Kingdom, Granbury, Whitney	564,737	561,290	427,173	420,968	289,609	280,645	144,804	140,323
Lake Georgetown, Stillhouse	222,398	220,503	164,789	162,752	107,180	105,001	53,590	52,501
Authority System	1,524,177	1,514,536	1,152,423	1,140,639	780,668	766,741	419,031	413,416



# ***Incorporation of the East Williamson County Regional Water System***

- **Incorporated criteria specific to the EWCRWS for initiation and termination of Drought Stages**
- **EWCRWS triggers based on consumption and production capacity**
- **Going forward BRA will only maintain one DCP**



# ***TWDB Seasonal Rainfall Forecast***

- **BRA worked with the TWDB on a grant funded project to develop forecasted May-June-July rainfall**
- **Cited in DCP as an information source only**
- **Issued every two weeks from January through end – April (last issued on March 18th)**

**<https://waterdatafortexas.org/drought/rainfall-forecast>**



# ***Comments on the Drought Contingency Plan Update and Submittal***

- **Two written comments/questions received**
- **Comments/questions addressed**
- **Upon approval of updated Plan – Submit to TCEQ and RWPGs**



**Brazos River  
Authority**

**Drought Contingency Plan**



# ***Drought Contingency Plan Update***

**The following resolution is presented for consideration to the Board of Directors of the Brazos River Authority for adoption at its April 29, 2019 meeting:**

**“BE IT RESOLVED that the Board of Directors of the Brazos River Authority that the Drought Contingency Plan, as presented at the April 29, 2019, Board of Directors’ Meeting and prepared in conformance with the requirements of the Texas Commission on Environmental Quality, is hereby adopted and supersedes the Drought Contingency Plan dated October 29, 2012; and**

**BE IT FURTHER RESOLVED that the General Manager/CEO is directed to submit the adopted Brazos River Authority Drought Contingency Plan to the Texas Commission on Environmental Quality.”**



Brazos River Authority



**Brazos**

— ★ —  
**RIVER AUTHORITY**