Drought Contingency Plan Update

Aaron Abel
Water Services Manager

Meeting Date: April 29, 2019
Drought Contingency Plan Update

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\textsuperscript{nd}) 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

<table>
<thead>
<tr>
<th>Reservoir/Reservoir System</th>
<th>Stage 1 Proposed</th>
<th>Stage 1 Current</th>
<th>Stage 2 Proposed</th>
<th>Stage 2 Current</th>
<th>Stage 3 Proposed</th>
<th>Stage 3 Current</th>
<th>Stage 4 Proposed</th>
<th>Stage 4 Current</th>
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<tbody>
<tr>
<td>Lake Aquilla</td>
<td>533.6</td>
<td>533.6</td>
<td>530.5</td>
<td>530.1</td>
<td>526.8</td>
<td>525.8</td>
<td>523.7</td>
<td>523.1</td>
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<td>Lake Belton</td>
<td>588.1</td>
<td>587.2</td>
<td>578.7</td>
<td>577.9</td>
<td>566.3</td>
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<td>Lake Granger</td>
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<td>498.3</td>
<td>494.1</td>
<td>493.7</td>
<td>490.0</td>
<td>489.7</td>
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<td>Lake Limestone</td>
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<td>Lake Proctor</td>
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<td>1,153.3</td>
<td>1,152.3</td>
<td>1,150.1</td>
<td>1,149.8</td>
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<td>Lake Somerville</td>
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<td>231.8</td>
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<td>228.2</td>
<td>227.8</td>
<td>223.9</td>
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<td>Lake Possum Kingdom, Granbury, Whitney</td>
<td>564,737</td>
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<td>289,609</td>
<td>280,645</td>
<td>144,804</td>
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<td>Lake Georgetown, Stillhouse</td>
<td>222,398</td>
<td>220,503</td>
<td>164,789</td>
<td>162,752</td>
<td>107,180</td>
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<td>Authority System</td>
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<td>780,668</td>
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</table>
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
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.”