

Water Restrictions Update

Update for Potential Stage 2 Implementation

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Interim Chief Operations Officer

December 5, 2023



Drought Contingency Plan

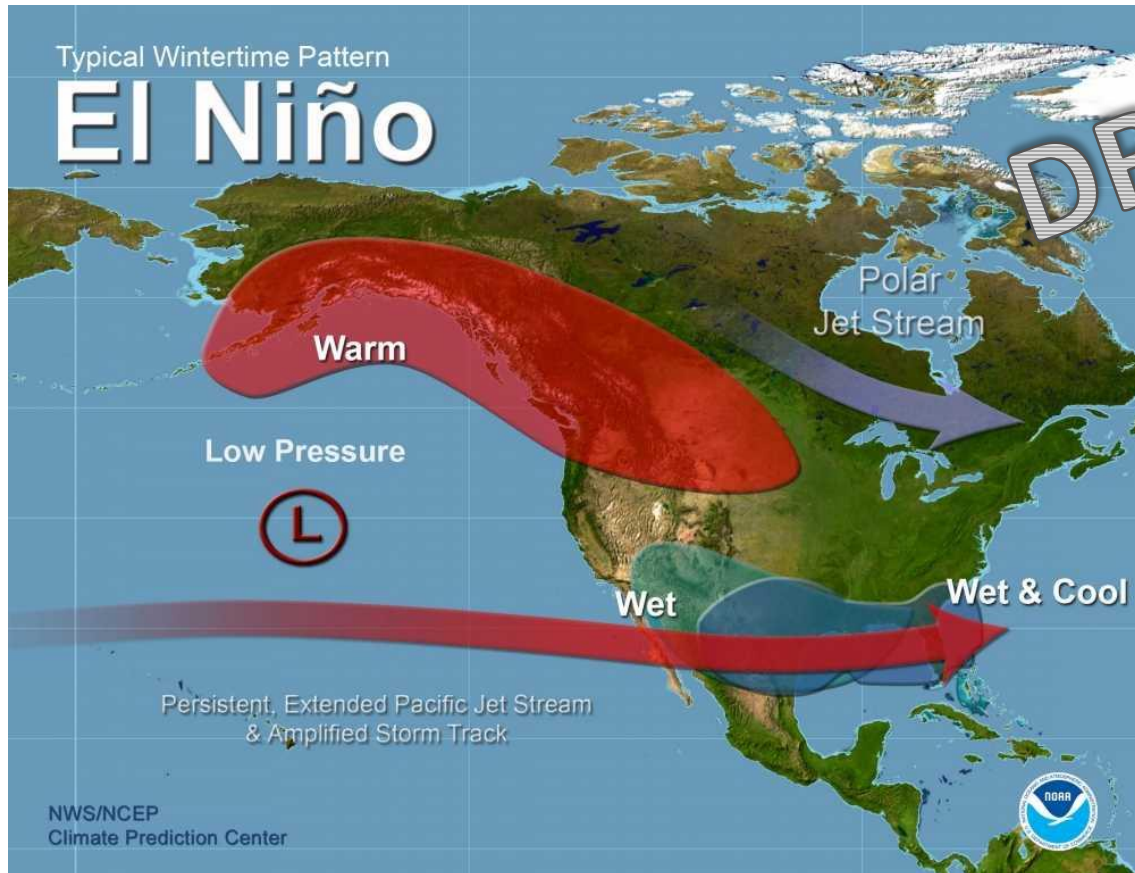
- Action plan for water supply management
- Outlines the water restriction stages and optional measures for Council's approval
- Plan is updated and approved by Council every 5 years
- Municipalities that purchase water from CCW use the same water restriction guidelines

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Weather Patterns

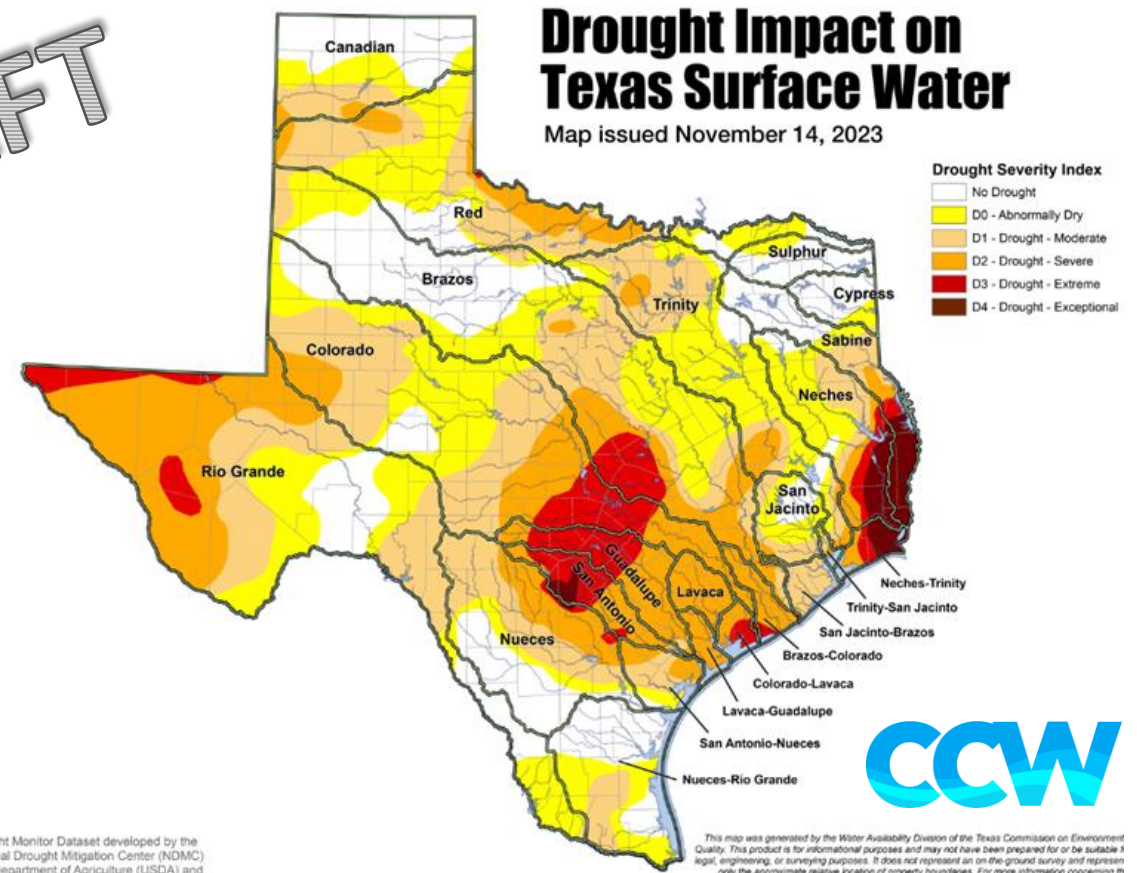
El Niño Weather Pattern

- Cooler weather
- More moisture



Drought Impacts

- 539 days of Stage 1 Water Restrictions



Restriction Stages and Lake Levels

Stage 1 Water Restrictions are currently in place

- Target: Reduce 10% of Treated Water Demand
- Irrigation 1x weekly

Stage 2 Water Restrictions require irrigation 1x every other week

- Target: Reduce 20% Treated Water Demand
- Other tools include implementing a surcharge on residential customers (not recommended)
- No impact on large-volume customers

Stage	Choke Canyon Reservoir and Lake Corpus Christi Combined Reservoir Storage Level
Stage 1- Mild	<40%
Stage 2- Moderate	<30%
Stage 3- Critical	<20%
Stage 4- Emergency	*Declared as Appropriate

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Restriction Stages and Lake Levels

1

STAGE 1 COMBINED LAKE LEVELS BELOW 40% MILD WATER SHORTAGE WATCH

- Limit irrigation to 1x per week
- Crews prioritize quicker response to repairs and leaks
- City monitors Stage 1 compliance

2

STAGE 2 COMBINED LAKE LEVELS BELOW 30% MODERATE WATER SHORTAGE

- Limit irrigation to 1x every other week
- Water main flushing limited to water quality standards and public health & safety
- Review water usage compliance & notify violators

3

STAGE 3 COMBINED LAKE LEVELS BELOW 20% CRITICAL WATER SHORTAGE

- Stage 1 & 2 restrictions
- Additional drought surcharge to utility bills
- Irrigation **PROHIBITED**
- Disconnect water meters of intentional violators

4

EMERGENCY WATER SHORTAGE

- Triggered by emergencies
- Irrigation is **PROHIBITED**
- Water use not related to business purposes is deferred until the **Stage 4 water emergency** is over

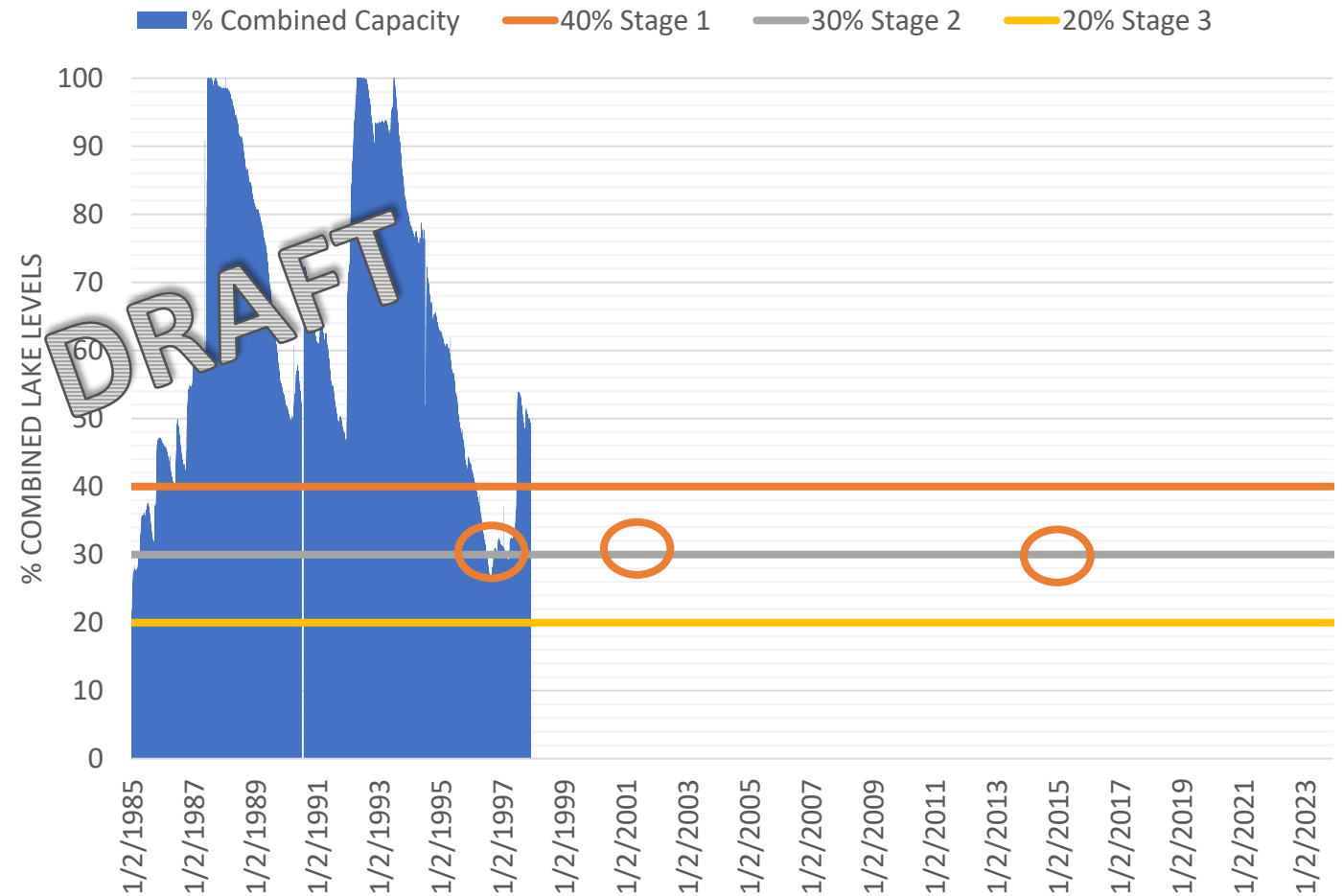
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Historical Data

Since 1986, the combined capacity dropped below 30% during:

- July 2-September 24, 1996
- October 26-September 5, 1996
- February 18-April 4, 1997
- August 19-31, 2001
- March 8, 2015, for one day

CCR & LCC Combined Reservoir Level



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Stage 2 Forecast

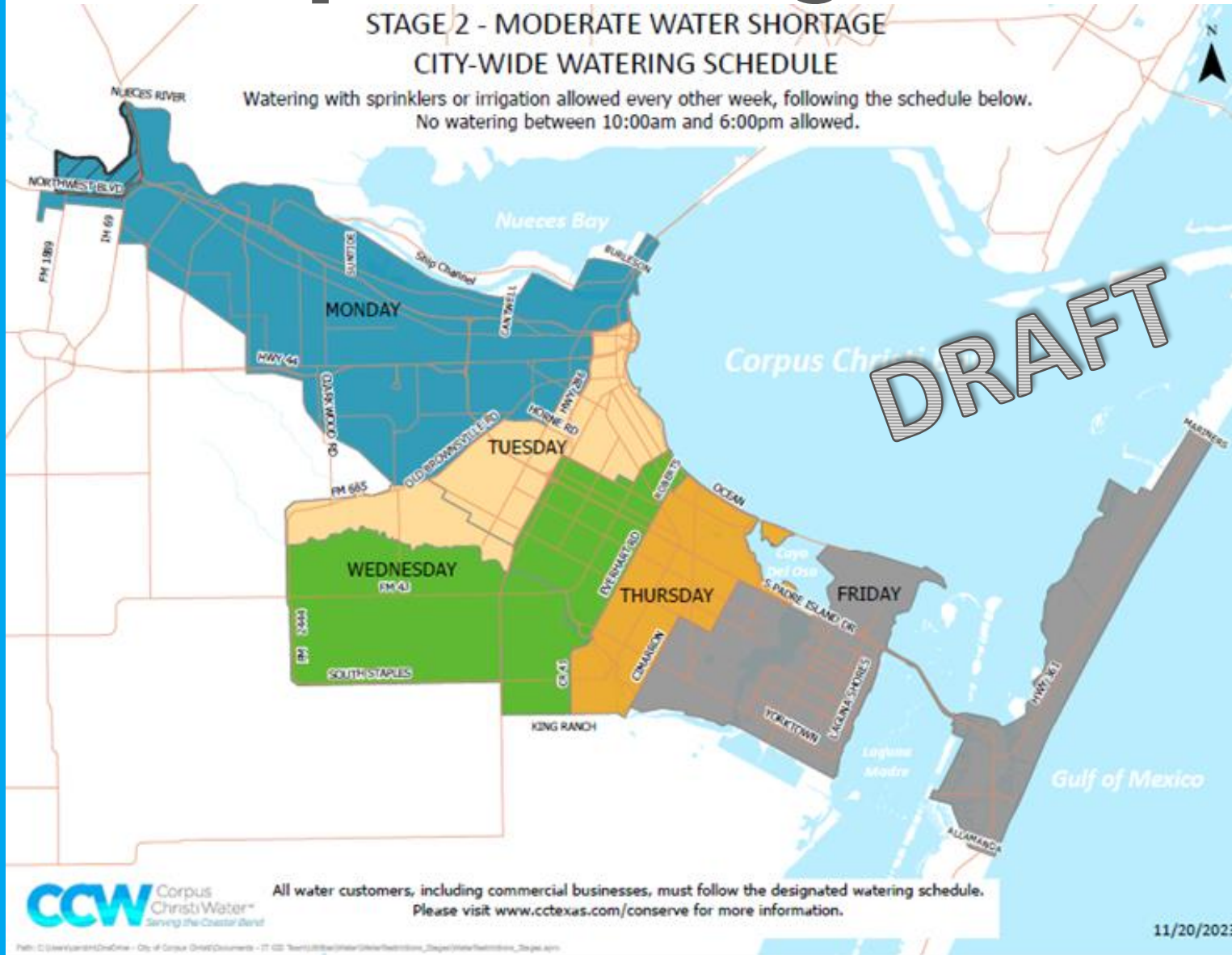
- Drought Contingency Plan Required Action
 - Reduce outdoor water use to one day every two weeks
 - Applies to institutional, commercial and residential customers as well as City Parks and Facilities
- Optional Action for City Council
 - Not recommended, but we could implement a surcharge for residential and multi-unit customers

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Proposed Stage 2 Water Restrictions

STAGE 2 - MODERATE WATER SHORTAGE CITY-WIDE WATERING SCHEDULE

Watering with sprinklers or irrigation allowed every other week, following the schedule below.
No watering between 10:00am and 6:00pm allowed.



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All CCW customers (institutions, businesses, and homes) must follow the designated outdoor watering schedule.

For more information, go to: www.cctexas.com/conserve

Outreach

Advertising

- Owned media channels:
 - Website
 - Social media
 - ReverseAlert
 - Internal communication
- Media Relations

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Partnerships

- Events
- Sports Venues

City Response to Stage 2

- Corpus Christi Water is prioritizing repairs and minimizing flushing
- City facilities and parks will adjust their irrigation to comply with the Stage 2 water restriction schedule
- Citations for violations could result in fines
- Community engagement will increase

Water Supply Diversity

Inner Harbor Seawater Desalination

- Water Right permit issued October 2022
- Land acquisition option agreement has been signed
- Discharge permit – TCEQ has provided notification of the pending draft permit release
- As of November 3, all responses to US Army Corps questions have been completed

La Quinta Seawater Desalination

- Currently under review by TCEQ

Evangeline Groundwater

- Draft terms have been provided to the City for review and consideration

Port Corpus Christi's Harbor Island Seawater Desalination

- City collaborating with Port Corpus Christi
- Pape-Dawson Engineers water integration study continues

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Thank you!

