



FULSHEAR DROUGHT CONTINGENCY PLAN UPDATE – CONSIDERATION OF ADOPTION BY CITY COUNCIL

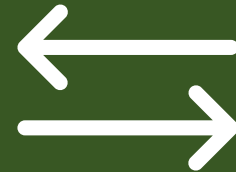
TODAY'S AGENDA



DCP REQUIREMENTS



DROUGHT CONDITIONS



MAJOR REVISIONS TO
DRAFT 2024 DCP

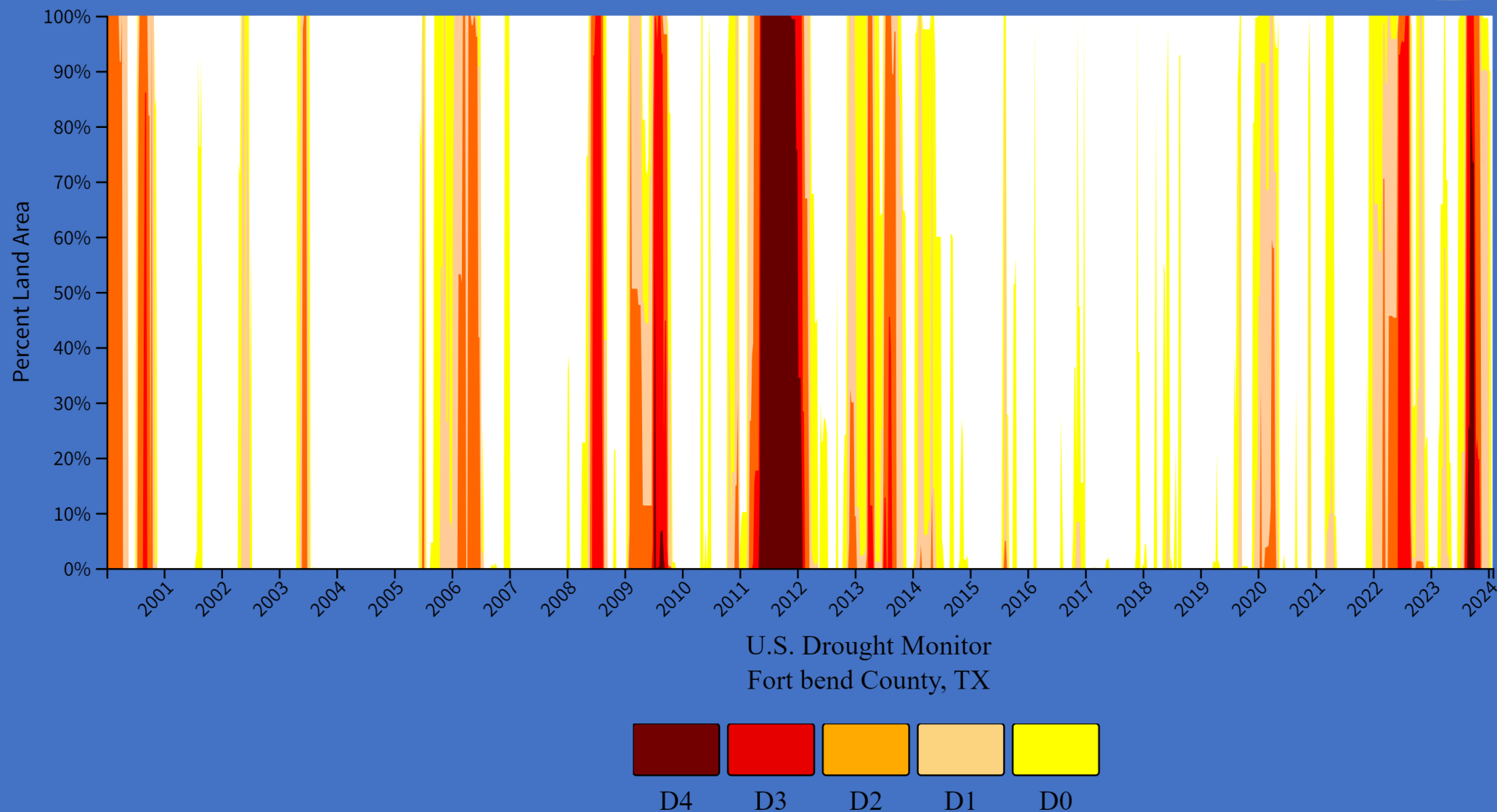
DROUGHT CONTINGENCY PLAN REQUIREMENTS*

- Provisions for public input
- Coordination with RWPG
- Description of information to be monitored
- Criteria and procedures for initiation and termination of drought stages
- Specific water supply or water demand measures
- Specific, quantified targets for water use reduction (unenforceable)
- Variance procedures
- Procedures for enforcement of mandatory water use restrictions

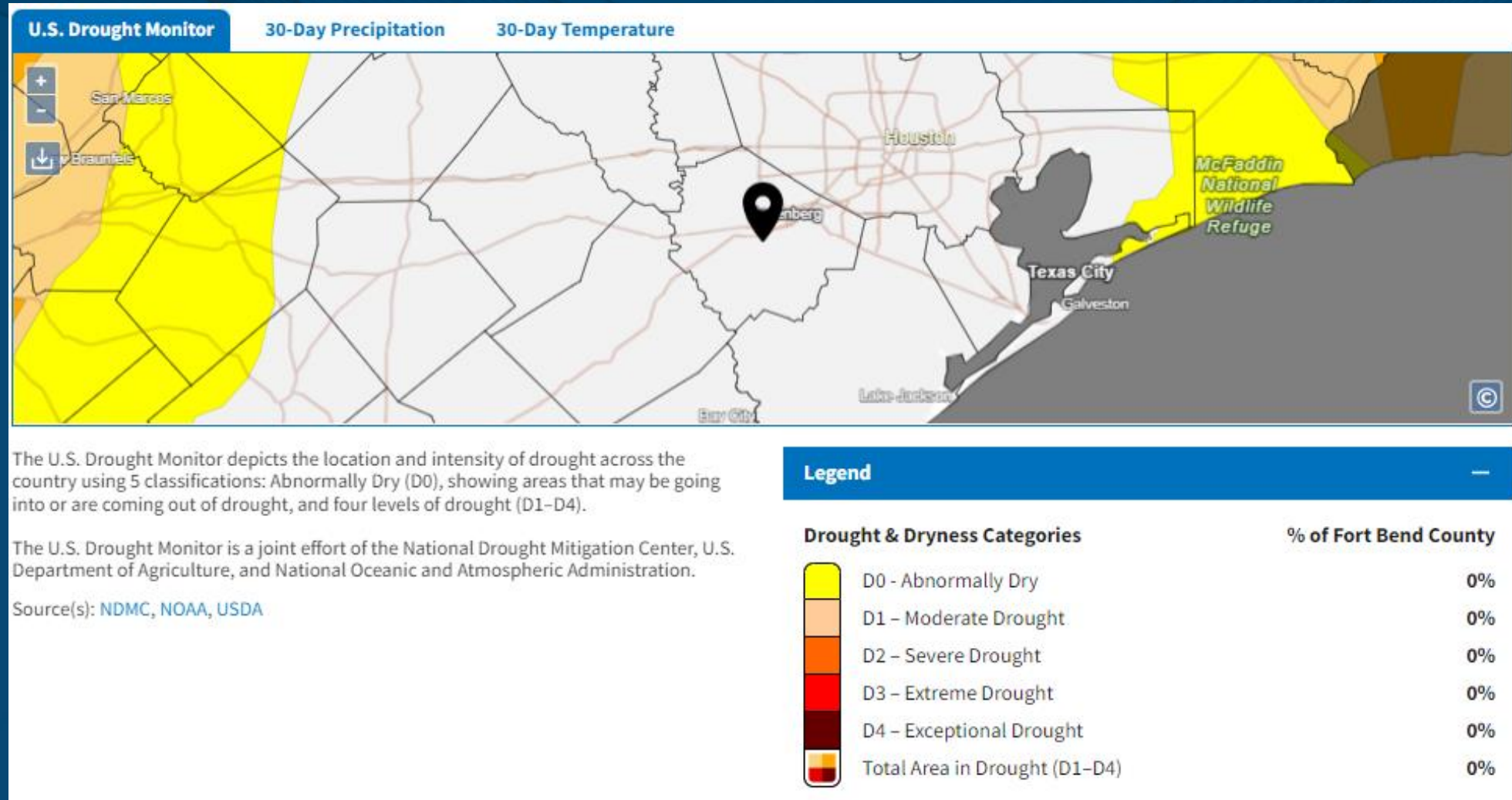


**TAC Chapter 288, Subchapter B, Rule §288.20*

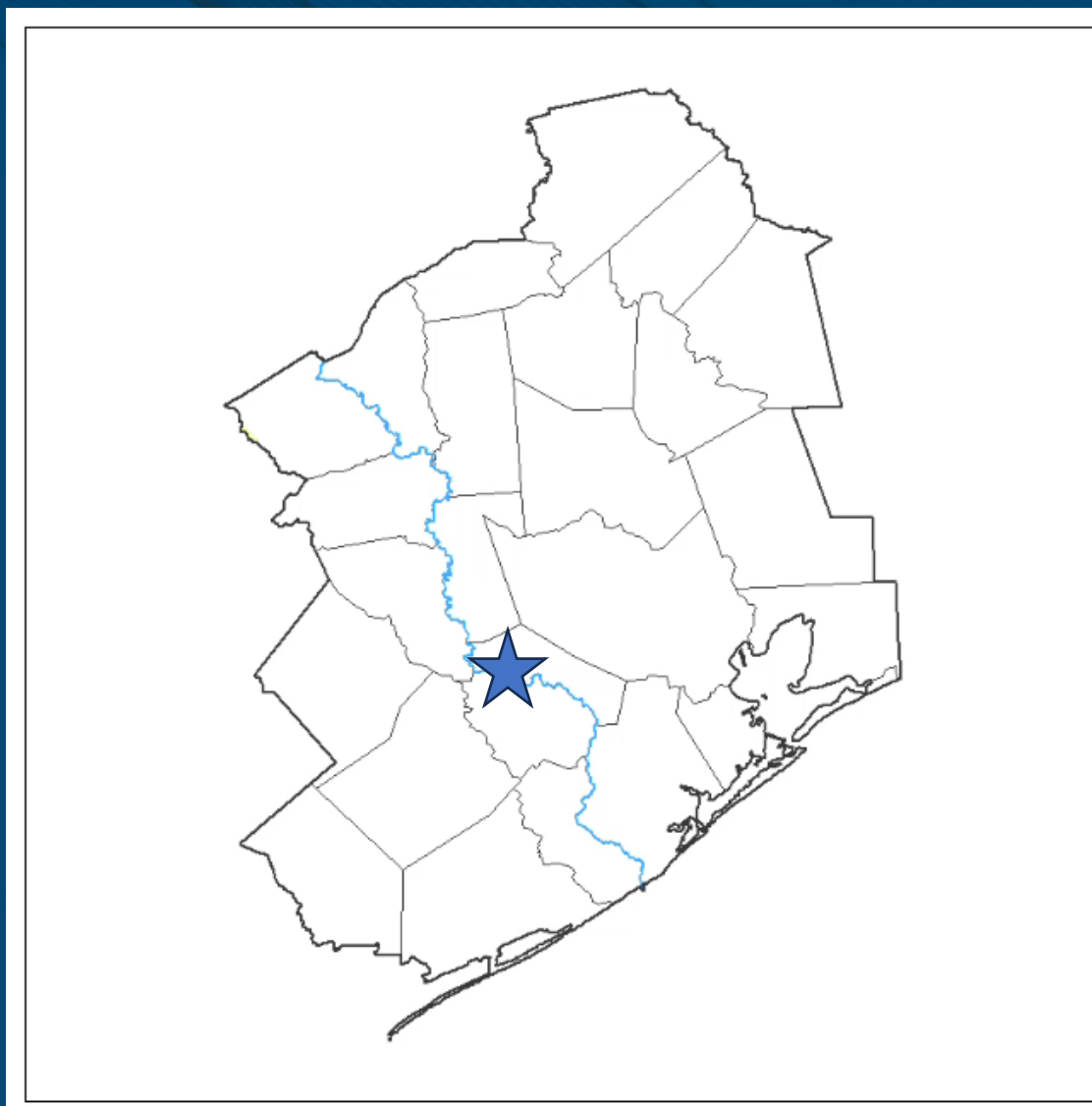
METEOROLOGIC CONDITIONS – 2000-2024



METEOROLOGIC CONDITIONS – CURRENT



DROUGHT CONDITIONS – Q2 2023 – Q1 2024



Drought Classification

-  None
-  D0 (Abnormally Dry)
-  D1 (Moderate Drought)
-  D2 (Severe Drought)
-  D3 (Extreme Drought)
-  D4 (Exceptional Drought)
-  No Data

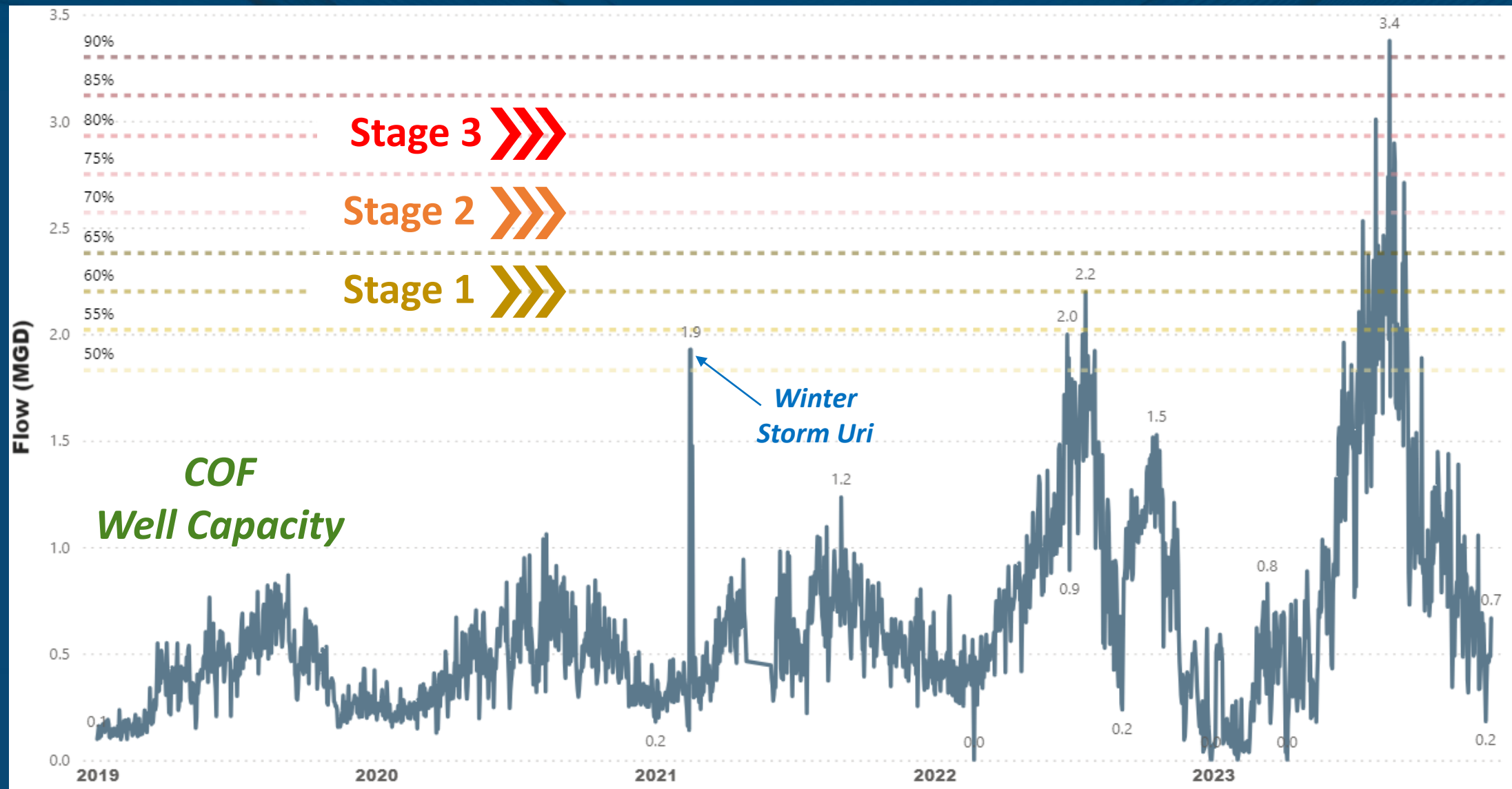
MAJOR REVISIONS TO DRAFT DCP

- Moved the document into a more public-facing format
- Added impactful measures, particularly in Stage 2 and 3
 - Surcharge starting in Stage 2
 - Prohibit summer installation of new landscaping starting in Stage 3
 - Changed Stage 2 from no watering restrictions to no more than once per week
 - Changed Stage 3 from no more than every five days to complete prohibition of watering
 - Requires special permit for developers to use fire hydrants starting in Stage 2
 - Prohibits the permitting of private pools in Stage 2
 - City Manager able to require water usage reduction of commercial customers in Stage 3
 - Prohibits the operation of interactive water features in Stage 3

MAJOR REVISIONS TO DRAFT DCP

- Removed Stage 4
- Defined system operating capacity
- Added clear identification of which Sections adhere to TCEQ requirements
- Strengthened and clarified enforcement language
- Re-evaluated drought triggers and added three consecutive day threshold, as well as trigger related to storage

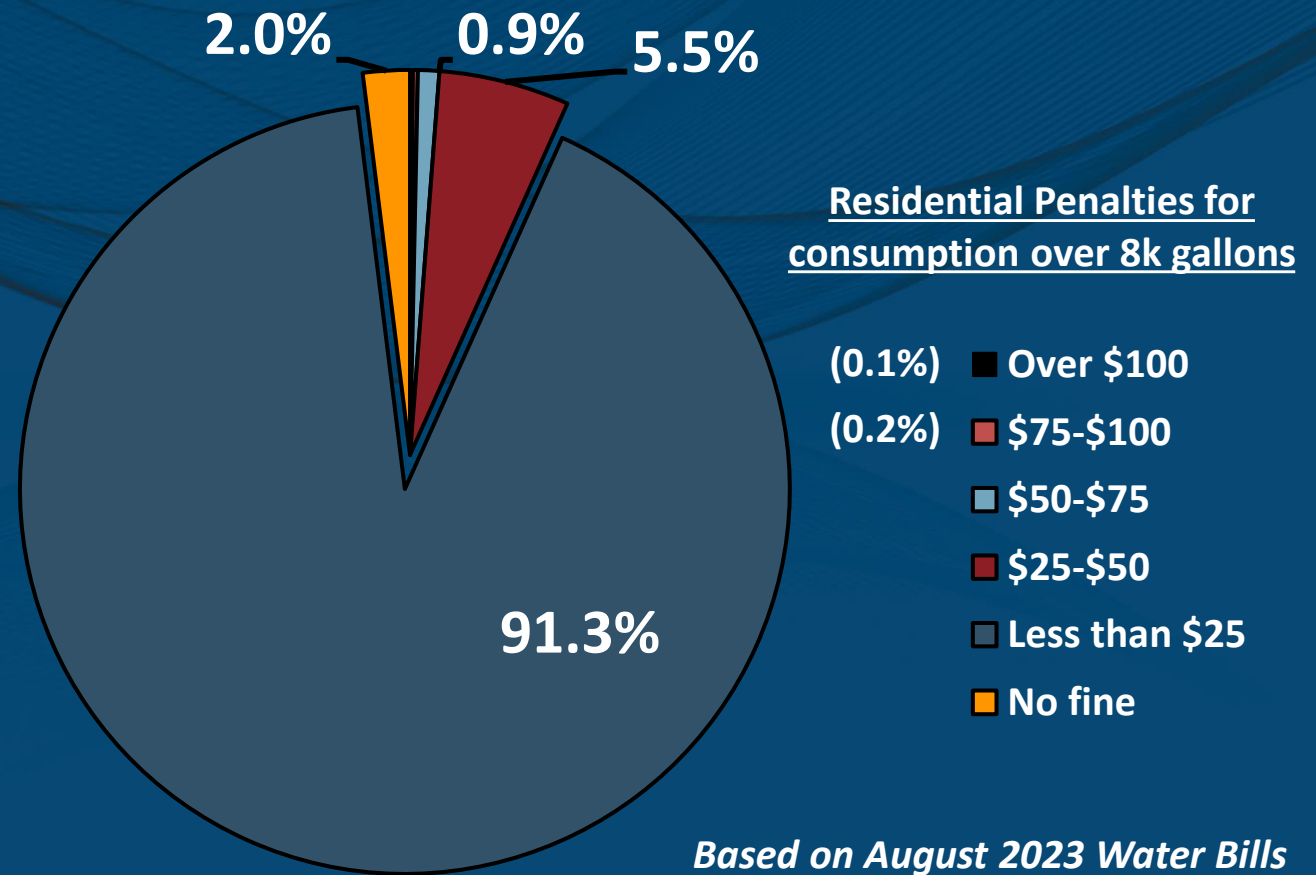
DROUGHT TRIGGER EVALUATION



STAGE 2 DROUGHT SURCHARGES

- 98% of all residential customers would have received a penalty
 - Over 90% of violators would have received a penalty under \$25.
 - Total surcharge fees: ~\$37,000

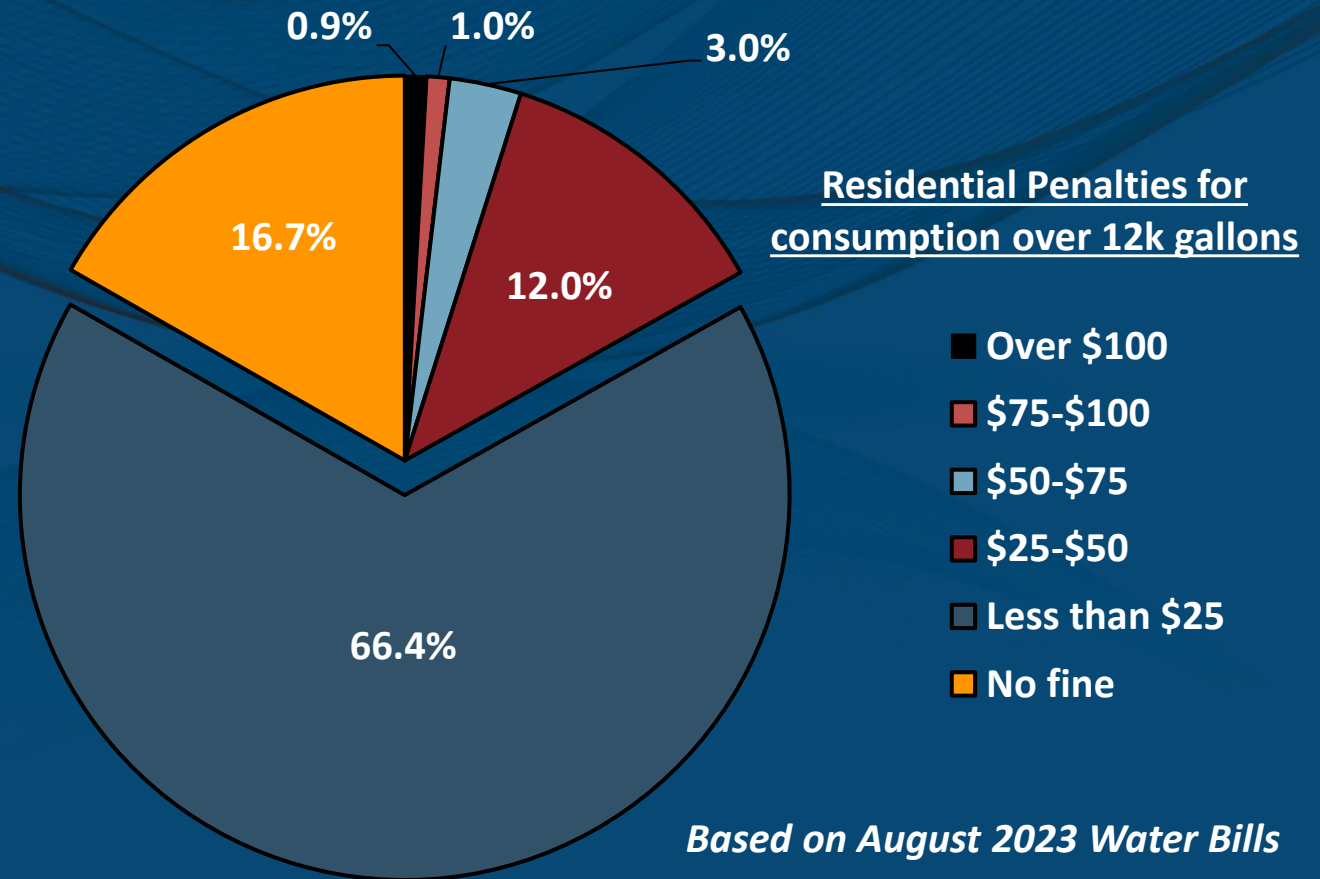
\$1/1,000 gallon surcharge fee after allocation of 8,000 gallons per month is exceeded.



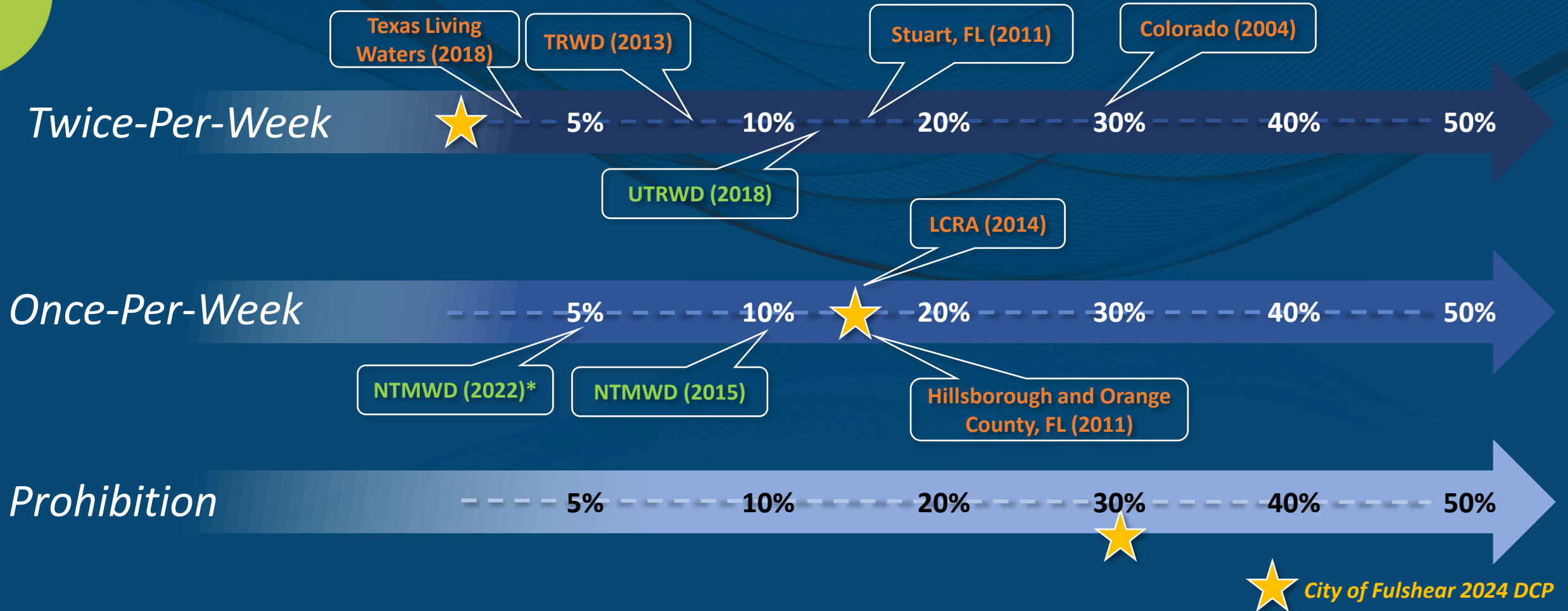
STAGE 2 DROUGHT SURCHARGES

- 87% of all residential customers would have received a penalty
 - Over 65% of violators would have received a penalty under \$25.
 - Total surcharge fees: ~\$48,000

\$2/1,000 gallon surcharge fee after allocation of 12,000 gallons per month is exceeded.



RANGE OF ESTIMATED SAVINGS FROM WATERING RESTRICTIONS



*NTMWD implemented a year-round twice-per-week watering requirement for all wholesale customers in 2015

Study conducted by others
Study conducted by Freese and Nichols

1

DCP a tangible connection between customer and water utility

2

DCP an effective tool for managing peak demand

3

Fulshear has added over a dozen impactful tools in this updated DCP

4

Fulshear has also added reasonable exceptions, variances, and waivers

5

DCP is only as effective in reducing peak demand as its enforcement

KEY TAKEAWAYS

QUESTIONS?



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