#### The Coastal Bend Regional Water Planning Group for the Senate Bill 1 Regional Water Planning Program will have an Executive Committee Meeting on December 12th at 1:30pm

The Meeting will be held at the Nueces River Authority Office. 500 IH69, Suite 805, Robstown, TX 78380

(All meetings of the Coastal Bend Regional Water Planning Group are open to the Public)

#### **MEETING AGENDA**

- I. Call to Order and Welcome
- II. ACTION ITEM: Consider Approval of Oct 17th, 2024 Minutes
- III. **ACTION ITEM:** Consider Subcommittee Recommendations for Region N Drought Response Discussion (Chapter 7) for Draft Region N Plan
- IV. ACTION ITEM: Consider Subcommittee Recommendations for Unique Stream Segments/ Reservoir Sites and Legislative (Chapter 8) and Regional Policy Consideration for Draft Region N Plan
- V. **DISCUSSION ITEM:** Preliminary Results of Region N Surveys sent to Municipal and Industrial water users
- VI. **DISCUSSION ITEM:** Approach for New Water Management Strategies Identified by WUGs as In Early Stages of Development, which may have substantial changes between Initially Prepared Plan and Final Plan
- VII. **DISCUSSION ITEM:** Preliminary Results of Selected WMSs to be Included in the 2026 Regional Water Plan
- VIII. **DISCUSSION ITEM:** Updated Schedule of Remaining Activities for Initially Prepared Plan
  - IX. **DISCUSSION ITEM:** General Update from TWDB Michele Foss
  - RWPG/TWDB Administrative and Other Issues NRA Travis Pruski 2025 Meeting dates – December 12, 2024; January 30, 2025; February 27, 2025; May 15, 2025; and September 11, 2025
  - *XI.* **General Public Comment** *Citizens may address the Planning Group concerning an issue of interest that is not listed on the agenda. Agenda item comments must be made*

when the item comes before the board. The planning group will place a time limit on all comments of 3 minutes.

### XII. Confirm Next Meeting Date: January 30, 2025

#### XIII. Adjourn

The Region N- Coastal Bend Regional Water Planning Group Executive Committee may announce that it will go into executive session on any item listed on this agenda if the subject matter is permitted by law for a closed session. The open portions of this meeting will be recorded and made available to the public upon request. If you wish to provide written comments prior to or after the meeting, please email your comments to tpruski@nueces-ra.org and include "**Region N. Coastal Bend Water Planning Group Meeting Public Comment**" in the subject line of the email. Additional information may be obtained from: Travis Pruski, Nueces River Authority, 500 IH69, Suite 805, Robstown, Texas 78380, 830-278-6810, tpruski@nueces-ra.org.

#### The Coastal Bend Regional Water Planning Group for the Senate Bill 1 Regional Water Planning Program met on October 17, 2024, at 1:30 p.m. The Meeting was held at the Nueces River Authority Coastal Bend Division, 500 IH 69, Suite 805, Robstown, TX 78380.

#### Minutes

#### 1. Call to Order and Welcome by Co-Chair Scott Bledsoe at 1:33 p.m.

Roll Call was conducted by Travis Pruski

Voting members:	Representing Sector:	Attendance:
Scott Bledsoe	Water Districts	Present
Dr. Pancho Hubert	Small Businesses	Present
Thomas Reding	River Authorities	Present
Lonnie Stewart	GMA 13	Present
Joe Almaraz	Industries	Present
Aron Baggett	Industries	Present
Chuck Burns	Agriculture	Absent
Gene Camargo	Other	Absent
Teresa Carrillo	Environment	Present
Carl Crull P.E.	Other	Present
James Dodson	Environment	Present
William Griffin	Electrical Generating Utilities	Present
Andy Garza	GMA 16	Present
John Marez	Water Utilities	Absent
Esteban Ramos	Municipalities	Present
Charles Ring	Agriculture	Absent
Anna Aldridge	Public Interests	Present
Mark Scott	Municipalities	Present
Mark Sugarek	GMA 15	Present
	Democratica Contam	
Non-Voting Members:	Representing Sector:	<u>Attendance:</u>
Travis Pruski	Nueces River Authority	Present
Kristi Shaw	HDR	Present
Michele Foss	Texas Water Development Board	Present
John Byrum	Nueces River Authority	Present

#### Public:

Cedric Davis Rudy Mora Michael Mora

#### **Representing:**

City of Mathis Kingsville Kingsville

Duval GDC
Coastal Bend COG
City of Corpus Christi
The Coastal Trust
IDB / San Patricio
Texas Department of Agriculture
Port Aransas Conservancy
Nueces River Authority
San Patricio MWD
City of Portland
Coastal Bend Bays & Estuaries Program
Texas Water Development Board
San Patricio County

#### 2. ACTION ITEM: Consider Approval of May 16, 2024, Meeting Minutes

A motion to approve May 16, 2024 Meeting Minutes as presented was made by Andy Garza and seconded by Carl Crull. Passed unanimously.

#### 3. ACTION ITEM: Consider Identifying Major Water Providers for the 2026 Plan – Michele Foss – TWDB

Ms. Michele Foss explained this is the opportunity for the region to designate what they consider to be the major water providers for the region for planning purposes. The designations, if any, need to be added to the initially prepared plan due March 3, 2025. Ms. Foss explained wholesale water providers as those that are designated because they have relationships in providing water on a wholesale basis to other customers existing and within the 50-year planning period, and major water providers are a subset of the water providers who can extend the envelope greater than the wholesale water providers to include those who are considered major in the region. Kristi Shaw explained how this was done in the past, and the 2021 Region N plan has major water providers set equal to the wholesale water provider, based on idea that if you were a wholesale water provider and you are providing water outside your service area and to other entities, you are considered major.

A motion to approve designation of City of Alice, City of Corpus Christi, South Texas Water Authority, and San Patricio Municipal Water District as Major Water Providers for the 2026 was made by Esteban Ramos and seconded by Mark Scott. The motion passed with 15 votes in favor and one opposed. The opposed was Thomas Reding.

# **4. ACTION ITEM: Consider Appointing a Subcommittee to Discuss Drought Response Recommendations for Region N** – Kristi Shaw – HDR

Ms. Shaw explained TWDB requires a section to be included in every regional water plan that has information about drought responses in the region. She explained this is an invitation to anyone interested in participating in a subcommittee. Members discussed topics for the subcommittee to address and droughts of record in region. James Dodson, Scott Bledsoe, Esteban Ramos, Teresa Carillo and William Griffin volunteered to serve on the drought response subcommittee.

A motion to approve Appointing a Subcommittee to Discuss Drought Response Recommendations for Region N was made by Mark Scott and seconded by Mark Sugarek. Passed unanimously.

# **5. ACTION ITEM: Consider Appointing a Subcommittee to Discuss Unique Stream Segments / Reservoir Sites and Legislative and Regional Policy Issues for Region N** – Kristi Shaw – HDR

Ms. Shaw explained TWDB requires a section to be included in every regional water plan that has information about unique streams, reservoir sites, and legislative policy issues in the region. She explained need for a subcommittee to help prepare recommendations for Region N consideration and offered invitation to anyone interested to participate. Carl Crull, Lonnie Stewart, Esteban Ramos and Dr. Pancho Hubert volunteered to serve on the subcommittee.

A motion to approve Appointing a Subcommittee to Discuss Unique Stream Segments / Reservoir Sites and Legislative and Regional Policy Issues for Region N was made by Esteban Ramos and seconded by Anna Aldridge. Passed unanimously.

# 6. ACTION ITEM: 2024 and 2025 Meeting Dates – December 12, 2024; January 30, 2025; February 27, 2025; May 15, 2025; and September 11, 2025 – Travis Pruski - NRA

Mr. Pruski stated the proposed 2024 and 2025 meeting dates. Ms. Shaw explained the timeline and TWDB deadlines that coincide with proposed meeting dates.

A motion to Approve 2024 and 2025 Meeting Dates – December 12, 2024; January 30, 2025; February 27, 2025; May 15, 2025; and September 11, 2025 – was made by Mark Sugarek and seconded by Tom Reding. Passed unanimously.

# 7. DISCUSSION ITEM: Preliminary Results of Selected WSMs to be included in the 2026 Regional Water Plan

Ms. Susan Roth presented on water conservation, which included options for municipal water conservation strategies. Based on feedback received during the meeting, a follow-up discussion will occur at the December 12<sup>th</sup> Region N meeting to consider and decide on approach for municipal and non-municipal water conservation strategies for the 2026 Region N Plan.

#### **8. DISCUSSION ITEM: Schedule for Development of the Initially Prepared Plan and 2026 Regional Water Plan** – Kristi Shaw - HDR

Ms. Shaw updated the planning group with a timeline of upcoming meetings and estimated timeline discussion items and strategies that will be brought to the planning group. There will be three meetings before adopting the plan. The goal is to adopt the Initially Prepared Plan in February 2025, submit it to TWDB in March 2025, and accept the final plan in October 2025.

#### 9. DISCUSSION ITEM: TWDB Funding Opportunities – Enriqueta Caballero - TWDB

Ms. Enriqueta Caballero gave a brief overview of the TWDB funding opportunities through state and federal programs. She explained TWDB's three-fold responsibilities, funding eligibility, financial assistance federal programs, financial assistance state programs, funding cycles, how to participate, and web link.

Federal Programs:

- Drinking Water State Revolving Fund (DWSRF)
- Clean Water State Revolving Fund (CWSRF)
- DWSRF and CWSRF Asset Management Program for Small Systems (AMPSS)
- Water Utilities Technical Assistance Program (WUTAP)

State Programs:

- State Water Implementation Fund for Texas (SWIFT)
- Economically Distressed Areas Program (EDAP)
- Flood Infrastructure Fund (FIF)
- Texas Water Development Fund (DFund/WDF)
- Agricultural Water Conservation Loan & Grant Programs
- State Participation
- Rural Water Assistance Fund
- Texas Water Fund

#### 10. DISCUSSION ITEM: General Update from TWDB – Michele Foss - TWDB

Ms. Foss updated the group.

- TWDB has new Executive Administrator, Bryan McMath.
- TWDB has a new Board Member, Tonya Miller.
- IPPs are due to TWDB on March 3, 2025.
- Draft 2026 Regional Water Plan Water Supply Needs graphical presentation is available on TWDB website. Technical consultants are currently updating with information from TWDB database.
- Conservation Dashboard is available with data, projects, and information.

#### 11. DISCUSSION ITEM: Texas Water Fund Implementation Plan – Michele Foss - TWDB

Ms. Foss updated the group on the Texas Water Fund Implementation Plan. TWDB sent out three surveys, analyzed the data, put together a Water Fund Implementation Plan and TWDB's board approved the plan.

#### 12. RWPG/TWDB Administrative and Other Issues – Travis Pruski – NRA

Mr. Pruski stated he will forward all the updated slides to the group. He updated the group that about two weeks ago, 1&1, our web hosting company was hacked and our IP address was being redirected. 1&1 is correcting it. They said the website will be back up and running on or around November 1<sup>st</sup>.

13. Members Comments. Any Member can bring up Comments at this Time.

Mr. James Dodson expressed concern about the status of the City's lack of enforcement on water drought management measures for the industries that are paying 25 cents per thousand gallon exemption charge. From the environmental perspective he thinks it is bad policy. As a residential customer within the city's regional system, he finds it offensive that he is being asked to cut back at each of these stages and industry is not.

Mr. Esteban Ramos suggested that everybody read the drought contingency plan because some of the comments made are not within the drought contingency plan. As a group, we should encourage our entire community to look at water conservation and drought contingency plan. Mr. Ramos was asked by group member clarification if it is true that industry is not restricted, they just have to pay more, but residential and commercial customers are restricted. He said that is incorrect. Mr. Ramos explained the industry exemption.

The group discussed pass-through requirements to estuaries.

The group discussed Three Rivers implementing Stage 4.

**14. General Public Comment.** Citizens may address the Planning Group concerning an issue of interest that is not listed on the agenda. Agenda item comments must be made when the item comes before the board. The planning group will place a time limit on all comments of 3 minutes.

#### a. Marie Lucio

"First of all, I want to thank you all for listening to our public comments. I am in no way a water expert. Some of this goes above my head. However, as a citizen of this area, this is what I hear. Three Rivers sits next to Choke Canyon, up there. They get their water from Choke Canyon, so the NRA made an agreement to give their percentage of the water to CC Water. That is what I am hearing here. In an article, that I read CC Water was saying we can go into an agreement to sell the water to I think it was Mathis or Three Rivers. I'm thinking, they have to release the water to keep the river flowing and healthy and stuff, but yet, the citizens are going to have to now buy water from CC Water or whoever is going to sell it to them at a higher rate. So, their water bill is going to go up, so that in effect is going to effect the citizens. Nueces Water District 3 is the same thing, so we just made them a major water supplier. So that means now they can sell to other businesses. Right now, they are in the time where they are looking for an alternative water source. That alternative water source is going to come at a cost to the citizens, but is it for the citizens? To begin with, we did not have alternative water sources on the agenda before Avina came here, so just putting it out there, it is the citizens taking the brunt and the pay of what we have to look for water. There is water but we are not the priority. That is the problem. My issue, I don't know if you know, Channel 6 released a article this morning because when I woke up, we had no water pressure. The tank out on 2826 collapsed. That tank is the one that sends the water to Tesla. We have been having issues, the neighborhood that sits right next to them, for a while now. Sometimes we get home and there is low pressure, there is no pressure. There is cloudy water. It looks milky and we go to the meetings, and they tell us it's just air in there. It will settle down and then it will disappear. Well, I don't know that it is air and right now, I don't trust it is just air. And I wouldn't feed it to my grandkids, so we are having issues and now South Texas Water Authority is also looking for an alternative water source, which again is going to come at a cost to the citizens. All this we have to pay for. So, I hear

industry, I hear environment, and where are the people? Where are we talking about, this is going to cost the people? When we sell off our water in unlimited amounts because that what Water District No. 3 does, we the people are the ones that are going to have to pay. Thank you."

Mr. Mark Scott made correction that Nueces Water District No. 3 was not designated as a Major Water Supplier.

#### b. Jason Hale

"Hello everyone. Thank you for taking my comments. My name is Jason. I live in Corpus Christi, and I have a few concerns relating to water planning in the area. I realize that it is pretty late in the planning process so I'm just going to go over briefly my concerns. I can follow up with more information any of them are relevant to the process right now. Number one is desalination. I'm uncomfortable with the planning group recommending multiple desalination projects that discharge into the Corpus Christi Bay system. The City of Corpus Christi's current environmental assessment for their Inner Harbor Plant has been discredited by two experts in hydrodynamic mixing. They are professors at Texas universities and have a long list of credentials. I think it is irresponsible to recommend these projects when we don't even know one of them will impact water quality. We have not even done the pilot plan yet. Number two is water demand projections. According to the Water Development Board's residential historical use, the City of Corpus Christi used 30 thousand acre feet in 2019, and for the next year projections it jumps up to 60 thousand acre feet per year. I'm worried that this creates a false sense of urgency resulting in oversized water supplies and water bills that are unnecessarily high. Number 3 conservation and best management practices. I believe we all need to conserve water. Some people are upset that residents are forced to conserve while large volume water users are not. The Water Development Board has a whole section on their website showing how manufacturing user group can conserve water. It covers water audits, site and operations, specific recommendations. I think it would be great if one of the water authorities could encourage industrial BMPs and post the results of audits and conservations on a centralized web page that the public could see which large volume users are for or not making efforts to conserve water alongside residents. Number 4 recommendations to legislation. I'm requesting the planning group to recommend legislation to create surface water quality salinity standards for bays and estuaries. In particular for areas that are considered for desalination. I believe this is critical for maintaining salinity levels that wildlife have adapted to over long periods of time. This would be numeric or narrative based criteria for each surface water segment, something similar to what they have for dissolved oxygen. Lastly, I am concerned about the possibility of selling water from Region N to Region L. I think this would be extremely premature and set an alarming precedent for improper resource management. That's my comment."

#### c. John Weber

"In the interest of time, I will pass so can get the meeting up. Maybe next one."

#### d. Cathy Fulton

"My name is Cathy Fulton. I am with Port Aransas Conservancy. I have never attended one of these meetings. This is my first round, so this is a huge mound to try to figure out. I will say thank you for clarifying what has been going on with the website, because I kept getting 'Whoops, This page doesn't exist' from a bunch of different. That got a little frustrating. I did want to note that the agenda that was originally posted that I received did say there was going to be a discussion about three different desal projects. Now, this was changed where they were removed. I am sure it was done in a timely manner, but it was one of the primary reasons why I came. I do want to say to Mr. Ramos that we can sit here and tit for tat on water conservation and things going on with Corpus Christi and surrounding areas that you supply such as Port Aransas but the fact of the matter is, and this is something that needs to be addressed, industry is not having to cut back right now, and this needs to happen. It just can't be 'Oh ya, we are just going to shove it all on them but we are going to promise new industry water to come in. If we are this water stressed, we can't do that right now. We do need to get our ducks in a row. I also have a big problem with trying to supply Region L from Region N from a desal from Harbor Island and I do not believe it is in even at looking at this that it is in Nueces River Authority's purview to do that, but its clear from what was sent to The Port that this is for Region L, not Region N. Oh, wait, we are in Region N, that's right. We are supposed to worried about us first, and not, I'm sorry you know I am actually trying to figure out why they don't in Region L because I figured out a way to make it work because Harbor Island doesn't have the power. We don't have the electric at Harbor Island. You know, that's a lot of money and its going to well over the billion that was put into the fund, just to be clear. Believe me, we have run the numbers multiple times now. I would encourage, I'm hoping that there will be some good forethought on whatever comes out of these plans. I hope to be more able to be aware and read these plans and trust me, there will be comment coming on when all that happens. I will be making comment on whatever is presented. Thank you."

#### e. Myra Alaniz

"Hello. I'm Myra Alaniz. If we say something that is incorrect, we are not experts on this, but we do attend a lot of meetings. At the City of Robstown, the NRA presented a wastewater treatment plant that was going to approximately sell a million gallons per day of effluent water to industry, however during the June basin presentation, it was a much bigger presentation. You mentioned that it would be up to 10 million gallons of water. Your presenter also stated that if you build this water plant, industry will come. That is in your water basin presentation. So, my questions are: Are you building this water plant to provide water to industry or is it really to help our Petronila canal? Or, is this water needed to dilute the discharges that we are going to have from the future companies that are coming in? Do your plans include any water to Avina or to Water District No. 3 or to ENGIE which is the new plant that is coming to Banquete? If so, why are you not concerned that Avina, this ammonia plant, is literally sitting right there in that next building next to communities if you are providing any water in any manner? We are not opposed to industry, but we do take issue when industry being placed so close to our residential home's communities. And we are expected to bare the financial responsibility of the water that is going to be provided to them and the health costs. Because these plants sit in the ETJ we will not enjoy revenues that come with plants that sit in the City of Robstown, so we get nothing from this. The tri-county drainage plan which I believe the NRA incorporated some information to, that plan says that we need approximately \$48 million to repair our drainage districts. We have a Prop A on our ballot in which \$48 million, when you include the interest, it is closer to \$70 million that the taxpayers will have to pay back. Again, taxpayers are being burdened with this. Once again, the citizens are left to incur the costs. In this

facet only, also in the alternative water facet. It's like community is not even enjoying the revenue of jobs that are going to come in, at least from Avina, because our community may get a few hires, but that is not enough to justify Avina coming in to our community. Thank you."

**16. Meeting adjourned** at 3:12 p.m.

A motion to adjourn meeting by Esteban Ramos and seconded by Joe Almaraz. Passed unanimously.

#### Agenda Item III. Subcommittee Recommendations for Drought Response

In accordance with TWDB guidance, the 2026 Region N Water Plan will include a chapter on regionspecific, drought response recommendations. The objective of the chapter is to present information related to historical droughts and drought preparation within the region, triggers and responses to address these conditions, potential emergency responses, and other drought-related recommendations. Additional requirements for the drought response chapter include:

- Summarize local drought contingency plans for each water user group;
- Assess drought measures, triggers, and responses most commonly used in the region and how these measures have been implemented in response to drought conditions and effectiveness in reducing water demand;
- Consider potentially feasibility drought management water management strategies for those with identified water needs, and if not recommended, include an explanation for RWPG basis for not recommending specific drought management WMS;
- Process of selecting recommended triggers and actions including tools required to assist the RWPG in comparing options;
- Region-specific model drought contingency plans consistent with TCEQ requirements, including identification of triggers and responses to severe, critical, and emergency condition; and
- Other drought management measures recommended by the RWPG.

At the October 17<sup>th</sup> Coastal Bend Regional Water Planning Group (RWPG) meeting, Region N appointed a subcommittee to discuss and prepare drought response recommendations for Region N consideration for development of the 2026 Plan. The subcommittee included Scott Bledsoe, Teresa Carrillo, James Dodson, William Griffin, and Esteban Ramos. The subcommittee held virtual calls on November 6 and December 2, 2024. In addition to the Region N subcommittee, Michele Foss (TWDB), Travis Pruski (NRA), Brian Williams (SPMWD), Amber Ritchie (HDR) and Kristi Shaw (HDR) also attended the calls.

Region N subcommittee recommendations are discussed in the Attachment 1- Item III. Meeting Minutes are included in Attachment 2- Item III.

**Region N Recommendation:** Consider and approve subcommittee recommendations (See Attachment 1- Agenda Item III) to include in the 2026 Region N Plan's Chapter 7- Drought Response Information, Activities, and Recommendations.

#### Attachment 1- Agenda Item III: Proposed Drought Response Recommendations from the 2026 Region N Plan

At the October 17th Coastal Bend Regional Water Planning Group (CBRWPG) meeting, a subcommittee was formed to consider and develop drought response recommendations and compile information about emergency water interconnections in the region for Region N RWPG consideration. The following RWPG members served on the subcommittee: Scott Bledsoe, Teresa Carrillo, James Dodson, William Griffin, and Esteban Ramos.

On November 6<sup>th</sup> and December 2<sup>nd,</sup> the subcommittee<sup>1</sup> met, considered drought and emergency response materials provided by HDR, and prepared the following drought response recommendations for Coastal Bend RWPG consideration and adoption at the Dec 12<sup>th</sup> meeting:

- **Drought response recommendations for each existing source-** The Coastal Bend Regional Water Planning Group considered TAC Chapter 357.42(c) provisions to identify factors specific to each source of water supply to be considered in determining whether to initiate a drought response, actions to be taken as part of the drought response, and triggers and actions in response to drought. The Coastal Bend Regional Water Planning Group supports the drought response triggers and actions identified in local WUG DCPs for existing sources and will include in the 2026 Plan.
- Recent implementation of measures to respond to drought conditions- In response to a new TWDB provision to include whether measures have been recently implemented in response to drought conditions, the Coastal Bend Regional Water Planning Group recognizes that the City of Corpus Christi's direct and indirect customers are required to adhere to the City of Corpus Christi DCP criteria and reductions. A Region N survey was prepared and sent to municipal water providers on November 19, 2024, with reminder sent on December 3, 2024. A summary of responses received will be included in this section. At this time, it is impractical to have comprehensive input from all 40+ municipal WUGs to inquire about the implementation status of DCP measures and TWDB funding has not been provided for this activity.
- Unnecessary or counterproductive variations in specific drought response strategies that may confuse the public or otherwise impede drought response- The Coastal Bend Regional Water Planning Group considered the TWDB request for RWPGs to identify unnecessary or counterproductive variations in specific drought response strategies that may confuse the public or otherwise impede drought response efforts. The Coastal Bend Regional Water Planning Group assumes WUGs during development of their DCPs have identified meaningful triggers, water reduction goals, and best management practices to achieve those goals and are tracking their progress and revising when appropriate in DCP updates.

<sup>&</sup>lt;sup>1</sup> In addition to the subcommittee members, the following were also in attendance and participated in the discussions: Ms. Michele Foss (TWDB), Mr. Travis Pruski (NRA), Mr. Brian Williams (SPWMD), Ms. Amber Ritchie (HDR), and Ms. Kristi Shaw (HDR).

- Alternative drought management water management strategies for WUGs/WWPs, if desired by regional water planning groups- The Coastal Bend Regional Water Planning Group does not recommend alternative drought management water management strategies for WUGs and/or WWPs beyond those identified in the local DCPs. The CBRWPG recognizes that local entities invest time and resources in preparing their DCPs and, for this reason, does not recommend preparing additional recommendations that might deviate, conflict, or alter drought measures identified in local WUG and WWP DCPs.
- Demand Management The CBRWPG adopted safe yield measures when considering water supplies from the Corpus Christi Water Supply System (which provides water for nearly 80% of the regional water demands). The regional water plan was developed to meet projected water demands with a safe yield reserve of 75,000 ac-ft in CCR/LCC storage during worst historical drought conditions as a provision for future drought uncertainty. Additional drought management recommendations have not been made by the CBRWPG as a water management strategy for specific WUG needs. Reducing water demands during a drought as a defined water management strategy does not ensure that sufficient supplies will be available to meet the projected water demands; but simply eliminates the demands. While the CBRWPG encourages entities in the region to promote demand management during a drought, it should not be identified as a "new source" of supply. Recommending demand reductions as a water management strategy is antithetical to the concept of planning to meet projected water demands. It does not make more efficient use of existing supplies as does conservation, but instead effectively turns the tap off when the water is needed most. It is planning to not meet future water demands.
- Consider not meeting needs as a potentially feasible drought management water management strategy- The Coastal Bend Regional Water Planning Group considered not meeting needs as a potentially feasible drought management water management strategy. Although this drought management strategy was considered, it was not recommended by the Coastal Bend Regional Water Planning Group. The Coastal Bend Regional Water Planning Group recognizes that the TWDB will conduct a socioeconomic impact need analysis of the cost of not meeting needs, and will include this analysis in the Final 2026 Region N Plan.
- **Recommendation of Triggers and Drought Stage Implementation-** The Coastal Bend Regional Water Planning Group recommends that the triggers and drought stages for severe and critical/emergency conditions identified in local DCPs be implemented and enforced accordingly to protect human health and water supply.
- Emergency responses to local drought conditions for municipal water user groups with (a) populations less than 7,500; (b) single source of water supply; or (c) all county-other WUGs- The CBRWPG considered the subcommittee's recommendations on interconnections and emergency supplies for each water user group and a table will be included in the 2026 Region N Plan with this information.
- **Region-specific model drought contingency plans (DCPs) and Model plans** The CBRWPG acknowledges that DCPs are a useful drought management tool for entities with both surface and groundwater sources and recommends that all entitles consider

adopting a DCP in preparation for drought conditions. The Plan will include a summary of the most common best practices from across the region obtained as submitted to the Nueces River Authority and recommends that municipal and WWPs without a DCP consider these, in addition to TCEQ Model DCPs for Region N entities wishing to develop a new DCP. The Plan also includes TCEQ model drought contingency plans<sup>2</sup> for wholesale and retail water suppliers to provide guidance and suggestions to entities with regard to the preparation of drought contingency plans.

• Recommendations from the State Drought Preparedness Council- The CBRWPG supports the efforts of the Texas Drought Preparedness Council (DPC) and recommends that entities review information developed by the council. The CBRWPG suggests that WUGs consider the resources available to them through the DPC such as the Drought Annex which describes the activities that help minimize potential impacts of drought and outlines an effective mechanism for proactive monitoring and assessment. The CBRWPG acknowledges the DPC letter dated February 8, 2024 that included recommendations to (a) consider planning for drought conditions worse than the drought of record, including scenarios that reflect greater rainfall deficits and/or higher surface temperatures, (b) incorporate project future reservoir evaporation rates in their assessments of future surface water availability, and (c) to identify in plans the utilities within planning boundaries that reported having less than 180 days of available water supply during the current or preceding planning cycle.

The CBRWPG has adopted the use of safe yield in determining projected water needs, which includes a provision of leaving an amount of water in storage during the worst month of drought of record as a precaution for future droughts worse than the drought of record. Related to incorporating future evaporation rates for higher surface temperatures, the TWDB has not allocated budget (nor provided guidance) to regional water plans on approach for evaluating potential future evaporation rates attributed to higher surface temperatures. The City of Aransas Pass (TX2050015) shows up in the TWDB database as having less than 180 days of water available based on reporting to TCEQ between Jan 2016 – Nov 2023. The CBRWPG reached out to Aransas Pass representatives on April 2, 2024 and November 1, 2024 and were informed that the reporting was in error and measures would be taken by staff to correct with TCEQ.

The State Drought Preparedness Plan presents resources that are available for mitigation and preparedness, response, and recovery. It continues by identifying climatological, agriculture, and water availability indices for each of ten climatic regions in Texas to consider when assessing drought severity. The Coastal Bend Region (Region N) counties are located in two climatic regions (Region 7 and 8) and, as discussed in the report, "climatic regions are so large, that drought indices developed across regions of this magnitude routinely mask smaller, regional drought problems and emerging drought conditions". For this reason, the CBRWPG considered the State Drought Preparedness Plan and information from the DPC but selected information provided by local, approved drought contingency plans for development of drought response recommendations.

<sup>&</sup>lt;sup>2</sup> <u>https://www.tceq.texas.gov/assets/public/permitting/watersupply/drought/dcpiou.pdf</u>

#### Additional Discussion on Drought Mitigation-

- The Coastal Bend Regional Water Planning Group recognizes the importance of supply resiliency and redundancy through diversifying supplies. This is considered a viable approach to mitigating drought impacts. The cities of Alice, Beeville, and Mathis are actively considering or implementing groundwater strategies to mitigate drought.
- The 2001 Agreed Order includes procedure for passages of inflow requirements to the Nueces Delta and Bay to support a sound ecological environment and maintain the productivity, extent, and persistence of key aquatic habitats. The Plan will include slides from a presentation that describes inflows and pass-thru requirements of the Agreed Order as presented by the Coastal Bends Bays and Estuaries Program to the Corpus Christi City Council on August 30, 2016.

The above discussion, along with supporting tables summarizing drought contingency plans, triggers and responses, most common drought contingency measures in Region N, and list of emergency interconnections will be included in the 2026 Region N Plan.

## **Meeting Minutes**

Project:	2026 Region N Plan
Subject:	Drought Management Subcommittee
Date:	11/6/2024
Location:	Teams Call
Attendees:	James Dodson William Griffin Esteban Ramos Brian Williams Scotty Bledsoe (portion of call; 50 minutes) Travis Pruski (portion of call; 10 minutes) Michele Foss (TWDB) Kristi Shaw (HDR) Amber Ritchie (HDR)

#### Topics Discussed:

- 1. Drought of Record
  - a. Same drought of record as in the 2021 Plan
    - i. Nueces 2007-2013 (most severe month Sept 2013)
    - ii. Corpus Christi Water Supply Model hydrology period from 1934-2015
    - iii. Combined Choke Canyon Reservoir (CCR)/ Lake Corpus Christi (LCC) last full in Sept 2007
  - b. If current drought becomes the most severe on record then could an amendment to plan be filed to update based on changed conditions?
    - i. Would impact needs analysis; significant effort
    - ii. Major amendment
    - iii. Funding needed to update the Corpus Christi Water Supply Model hydrology
  - c. City is about to call Stage 3 in absence of rain event
    - i. Stage 3 all non-essential water is suspended for both municipal and industrial users.
  - d. Include discussion in drought response chapter discussing the Agreed Order provisions and suspension of pass-throughs during severe drought conditions.
- 2. Future droughts (planning for uncertainty, droughts worse than DOR, additional measures)
  - a. Safe yield used as the basis of planning for those on regional water supply system
  - b. Include additional language on entities that are developing supply resiliency and redundancy through diversifying supplies:
    - i. City of Alice- brackish groundwater desalination
    - ii. City of Beeville- production wells to augment diversion from LCC
    - iii. City of Mathis- considering new wells
  - c. Include efforts by industries to reduce water use during droughts
    - i. Drought surcharge is paid during good times. Fund is used to develop new water supplies (i.e. Desal)

- 3. Current drought preparations and response for each source
  - Update list of entities with DCPs on file. New: Alice, Beeville, Corpus Christi, Ingleside, Kingsville, Nueces County WCID 3, Old Marbach School WSC, Portland, Rockport, Skidmore WSC
  - b. Update from 2021 Plan
- 4. Interconnections & Emergency Response
  - a. Used Table 7.9 from the 2021 Plan as the basis Region-specific model drought contingency plans
  - b. Assigned draft information for new WUGs
  - c. SPMWD entities need to show the same information
- 5. Demand management
  - Discussed that in 2021 Plan it was addressed by highlighting future drought planning (i.e. safe yield). Allocate water management strategies such that total combined supply is more than what is shown in the needs analysis – TWDB confirmed approach is acceptable
  - b. For WUGs with dominant surface water supply, drilling wells is best line of defense against drought
- 6. State Drought Preparedness Council recommendations
  - a. No change from 2021 Plan- Region N to support findings from State Drought Preparedness Council.

#### Action Items:

Drought Preparedness Chapter

- Include discussion on Agreed Order suspension of pass-through when no inflow into system and reduction to flesh water inflows to B&E
- Add statement: contractual requirements that City of Corpus Christi and SPMWD must, at minimum, follow drought contingency plan provisions from the City and District DCPs.
- Add information on industrial water supply reductions during drought

Drought Preparedness Follow-up with Entities

• Send email to industries inquiring about water use reductions (and quantity) during drought conditions

Emergency Interconnections:

- HDR to reach out to South Texas Water Authority and Mathis to see if they are looking at groundwater wells.
- HDR survey to query rural entities and ask about interconnections. Table will be updated accordingly

Review TCEQ drought response recommendations for industrial/manufacturing and see if it addresses Region N subcommittee needs

Update tables:

Table 7.1. Region N Entities with Available DCPs Tables 7.2- 7.8 Drought Contingency Responses existing triggers & responses table. Table 7.9 Potential Emergency Supply Options Table 7.11 Update Common Drought Response Measures

HDR to send follow-up packet to Region N subcommittee by Nov 22<sup>nd</sup> with:

- Follow-up from industrial stakeholder discussions re: drought response
- List of Region N entities with available Drought Contingency Plans (update Table 7.1)
- Updated Drought Contingency triggers and responses tables (updated Table 7.2-7.8)
- Send draft RWPG Drought Response recommendations (update 7.2.4 from 2021 Plan with any new ones for subcommittee consideration highlighted)
- Updated table on Potential Emergency Supply Options for Small WUGs (Table 7.9)

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Project:	2026 Region N Plan
Subject:	Drought Management Subcommittee
Date:	12/2/2024
Location:	Teams Call
Attendees:	James Dodson Esteban Ramos Brian Williams Scotty Bledsoe Travis Pruski Michele Foss (TWDB) Kristi Shaw (HDR) Amber Ritchie (HDR)

#### **Topics Discussed:**

Reviewed tables. Discussed updates to Ingleside for Interconnections table (Table 7.9).

Table 7.1. Region N Entities with Available DCPs Tables 7.2- 7.8 Drought Contingency Responses existing triggers & responses table. Table 7.9 Potential Emergency Supply Options Table 7.11 Update Common Drought Response Measures

HDR reached out to South Texas Water Authority and Mathis to see if they are looking at groundwater wells. Received response from Mathis. Did not receive response from STWA.

HDR sent municipal survey to query rural entities and ask about interconnections. A brief summary will be included in the Plan.

The subcommittee approved sending drought management materials to Region N for consideration at the Dec 12<sup>th</sup> meeting.

# Agenda Item III. Subcommittee Recommendations for Unique Stream/Reservoir and Legislative Policy Recommendations

In accordance with TWDB guidance, the 2026 Region N Water Plan will include a chapter that presents RWPG's unique stream segments, unique reservoir sites, legislative and regulatory recommendations. During development of previous Region N Plans, subcommittees were formed to discuss unique stream or reservoir sites and legislative/policy recommendations for Region N RWPG consideration.

*Unique Stream Segments*- Planning groups may recommend the designation of river or stream segments of unique ecological value located within their planning area. The following criteria can be used as a basis for designating stream segments of unique ecological value: biological function, hydrologic function, riparian conservation areas, high water quality, exceptional aquatic life, high aesthetic value, and threatened or endangered species/unique communities.<sup>3</sup> The TWDB considers planning group recommendations of unique reservoir sites from adopted regional water plans when developing the State Water Plan.

According to Texas Water Code, Section 16.051, the State Water Plan is to include TWDB recommendations to the legislature for designation of river and stream segments of unique ecological value. If the legislature then designates a river or stream segment of unique value, it means that a state agency or political subdivision of the state may not finance construction of a reservoir on the designated river or stream segment.

Sites Uniquely Suited for Reservoirs- Planning groups may recommend a site as unique for reservoir construction if: 1) site-specific reservoir development is recommended as a specific water management strategy or an alternative scenario in an adopted regional water plan; or 2) the site is uniquely suited to provide water supply for the current planning period or beyond 50-years. The TWDB considers planning group recommendations of unique sites for reservoir construction from adopted regional water plans when developing the State Water Plan.

According to Texas Water Code, Section 16.051, the State Water Plan is to include TWDB recommendations to the legislature for unique reservoir sites. If the legislature designates a site of unique value for the construction of a reservoir, a state agency or political subdivision of the state may not obtain a fee title or an easement that would significantly prevent the construction of a reservoir on a designated site.

*Legislative Recommendations*- Each of the 16 regional water planning groups may make recommendations to the TWDB regarding legislative and regional policy recommendations; identification of unique ecological stream segments; and identification of sites uniquely suited for reservoirs.

At the October 17<sup>th</sup> Coastal Bend Regional Water Planning Group (RWPG) meeting, Region N appointed a subcommittee to discuss and prepare drought response recommendations for Region N consideration for development of the 2026 Plan. The subcommittee included Carl Crull, Dr. Pancho Hubert, Lonnie Stewart, and Esteban Ramos. The subcommittee held a virtual call on November 14<sup>th</sup>. In addition to the Region N subcommittee, Michele Foss (TWDB), Travis Pruski

<sup>&</sup>lt;sup>3</sup> 31 Texas Administrative Code Chapter 358.2

(NRA), Brian Williams (SPMWD), and Kristi Shaw (HDR) also attended the call. In response to comments, additional information was shared with the subcommittee by email on December 4<sup>th</sup>. Based on subcommittee response, a second call was not needed.

During the call, the Interregional Planning Council (IPC) Recommendations from their March 4, 2024 report were discussed. An excerpt from the IPC's Executive Summary is included below:

#### Recommendations to the Legislature:

As relates to all three legislative charges, the Council recommends that the legislature appropriate additional funds to the planning process specifically to:

- 1. support a required task of the RWPGs to identify and facilitate interregional coordination;
- 2. accommodate tasks associated with long-range, visionary planning;
- 3. fund better methods of disseminating information for the regional water planning process; and
- 4. accommodate labor costs for administering RWPGs rather than permitting a reallocation of existing planning resources, as that would reduce the funding required to meet other required planning tasks.

As relates to Legislative Charge 2, the Council recommends that the legislature:

- 1. provide financial incentives for local sponsorship of innovative, visionary, multi-benefit projects;
- 2. provide initial sponsorship of projects by the State without guarantees from local sponsors; and
- 3. establish a process for coordination amongst state agencies, at the state level, related to installation of infrastructure during planning and construction of large-scale projects.

As relates to Legislative Charge 3, the Council recommends that the legislature:

- 1. amend the language in Texas Water Code Section 16.053(i) to strike simplified planning from the statute; and
- 2. authorize the use of one-way conferencing or webinars.

#### Recommendations to the Texas Water Development Board

As relates to Legislative Charge 3, the Council recommends that the TWDB develop protocols to incorporate annual discussions to evaluate and document best practices for regional water planning in Chairs' conference calls.

#### Recommendations to Future Interregional Planning Councils

The Council recommends that future Interregional Planning Councils:

- 1. monitor the effectiveness of enhanced efforts to promote interregional coordination and review how best to utilize interregional liaisons in the development or use of shared water resources;
- 2. utilize state agencies' expertise to assist regions in developing a vision of planning resources for the state as a whole;
- 3. consider holding work sessions as needed to "deep dive" into more complicated topics;

- 4. review materials and meeting notes from the TWDB's "lessons learned" technical meetings with RWPG consultants; and
- 5. review progress on all recommendations in the 2027 SWP Council's report and submit its assessment to the TWDB.

Meeting Minutes are included in Attachment 1- Item IV. Legislative recommendations are included in Attachment 2- Item IV.

Region N Recommendation: Consider and approve the subcommittee recommendations:

- The Region N subcommittee recommendations no unique stream segments in the Coastal Bend (Region N) area.
- The Region N subcommittee recommendations no sites uniquely suited for reservoirs in the Coastal Bend (Region N) area.
- The Region N subcommittee recommendations that the CBRWPG support the Interregional Planning Council Recommendations and include in the 2026 Region N Plan (see previous page.)
- Draft legislative and policy recommendations for the 2026 Region N Plan (Attachment 2-Item IV).

## **Meeting Minutes**

Project:	2026 Region N Plan
Subject:	Unique Stream Segments, Reservoir and Legislative Recommendations Subcommittee
Date:	11/14/2024
Location:	Teams Call

Attendees:	Lonnie Stewart	Travis Pruski
	Esteban Ramos	Michele Foss
	Pancho Hubert	(TWDB)
	Brian Williams	Kristi Shaw (HDR)

#### **Topics Discussed:**

- 1. Unique Stream Segments
  - a. Discussed Texas Parks and Wildlife Department segments of ecological significance for Region N from its April 2000 report. No updates/changes by TPWD since 2000. <u>https://tpwd.texas.gov/landwater/water/conservation/water\_resources/water\_quantity/</u> sigsegs/regionn.phtml
  - b. There are no river or stream segments in the Region N area designated in the 2022 State Water Plan as having unique ecological significance.
  - c. <u>Subcommittee Recommendation</u>: No stream segments designated as unique in the Coastal Bend Region for the 2026 Plan.
- 2. Unique Reservoir Sites
  - a. Previous designation by the Texas Legislature for Nueces off-channel reservoir and Texana (Palmetto Bend). Neither of these sites are being considered.
  - b. Designating reservoir sites as unique has the potential "targeting" projects without landowner consent. These conversations best left between landowners and project sponsor should it be desirable by both parties as water management strategies advance towards implementation.
  - c. Previous Region N plans have not designated any unique reservoir sites.
  - d. <u>Subcommittee Recommendation:</u> No reservoir sites designated as unique in the Coastal Bend Region for the 2026 Plan.
- 3. Consider Recommendations from Interregional Planning Council
  - a. Carl Crull (Region N) served on Interregional Planning Council.
  - Reviewed Council's recommendations from report issued March 4, 2024: *Recommendations to the Legislature:*  As relates to all three legislative charges, the Council recommends that the legislature appropriate additional funds to the planning process specifically to:
    - i. support a required task of the RWPGs to identify and facilitate interregional coordination;
    - ii. accommodate tasks associated with long-range, visionary planning;

- iii. fund better methods of disseminating information for the regional water planning process; and
- iv. accommodate labor costs for administering RWPGs rather than permitting a reallocation of existing planning resources, as that would reduce the funding required to meet other required planning tasks.

As relates to Legislative Charge 2, the Council recommends that the legislature:

- i. provide financial incentives for local sponsorship of innovative, visionary, multi-benefit projects;
- ii. provide initial sponsorship of projects by the State without guarantees from local sponsors; and
- iii. establish a process for coordination amongst state agencies, at the state level, related to installation of infrastructure during planning and construction of large-scale projects.

As relates to Legislative Charge 3, the Council recommends that the legislature:

- i. amend the language in Texas Water Code Section 16.053(i) to strike simplified planning from the statute; and
- ii. authorize the use of one-way conferencing or webinars.

#### Recommendations to the Texas Water Development Board

As relates to Legislative Charge 3, the Council recommends that the TWDB develop protocols to incorporate annual discussions to evaluate and document best practices for regional water planning in Chairs' conference calls.

#### Recommendations to Future Interregional Planning Councils

The Council recommends that future Interregional Planning Councils:

- i. monitor the effectiveness of enhanced efforts to promote interregional coordination and review how best to utilize interregional liaisons in the development or use of shared water resources;
- ii. utilize state agencies' expertise to assist regions in developing a vision of planning resources for the state as a whole;
- iii. consider holding work sessions as needed to "deep dive" into more complicated topics;
- iv. review materials and meeting notes from the TWDB's "lessons learned" technical meetings with RWPG consultants; and
- v. review progress on all recommendations in the 2027 SWP Council's report and submit its assessment to the TWDB.
- c. <u>Subcommittee Recommendation:</u> Region N RWPG supports the Interregional Planning Council recommendations and will include these recommendations in the 2026 Region N Plan.
- 4. Legislative and Policy Recommendations
  - a. Reviewed legislative and regional policy recommendations from the 2021 Plan
  - b. Made updates to a few recommendations
  - c. Discussed HDR adding a recommendation related to the New Water Supply Fund initiative to provide funding support for reuse, aquifer storage and recovery projects and groundwater and seawater desalination projects.

Action Item: HDR to prepare draft language for legislative and policy recommendations and send to the subcommittee for review and consideration for recommendation to Region N RWPG on Dec 12.

#### Attachment 2-Agenda Item IV Draft Legislative and Policy Recommendations from the 2026 Region N Plan

The Coastal Bend RWPG formed a subcommittee<sup>1</sup> at an open meeting on October 17, 2024 to consider legislative and regional policy recommendations. The subcommittee met on November 14, 2024 to discuss and prepare such recommendations, which will be considered for adoption by the Coastal Bend Region on December 12, 2024. The following are the Coastal Bend Region's recommendations regarding these matters.

## Legislative and Regional Policy Recommendations

Under the authority of Senate Bill 1, the Coastal Bend RWPG has developed the following legislative and regional policy recommendations.

## **General Policy Statement**

- I. The Texas Legislature is urged to declare that: i) all water resources of the State are hydrologically inter-related and should be managed on a "conjunctive use" basis, wherever possible; ii) existing water supplies should be more efficiently and effectively used through improved conservation and system operating policies; and iii) water re-use should be promoted, wherever practical, taking into account appropriate provisions for protection of downstream water rights, domestic and livestock uses, and environmental flows.
- II. The Coastal Bend Region urges the legislature to support policies and programs to meet Texas' water supply needs and prepare for and respond to drought conditions.
- III. The Texas Legislature should continue to provide funding to the TWDB and other state agencies for water conservation initiatives, including providing technical support and assistance to water user groups regarding public information programs; leak detection, repair, and monitoring; meter testing and replacement; or other best management practices included in their water conservation programs.
- IV. The Texas Legislature is urged to make funds available through regional water planning groups and groundwater conservation districts to educate the citizens of Texas about all water issues, as well as the powers and benefits of groundwater conservation districts and river authorities.
- V. The Texas Legislature is urged to provide continued support to the Texas Water
   Development Board in administering the Texas Water Fund that creates new water sources for the state.

## Interbasin Transfers

I. The Texas Legislature is urged to repeal the "Junior Rights" provision and the additional application requirements for interbasin transfers that were included in Senate Bill 1.

<sup>&</sup>lt;sup>1</sup> The subcommittee consisted of Teresa Carrillo, Carola Serrato, Carl Crull, and Scotty Bledsoe.

### Desalination

- I. The Texas Legislature is urged to direct TCEQ to investigate the current regulatory status of the "concentrate", "reject water", or "byproduct discharge" produced during the desalination of brackish ground water, brackish surface water and seawater in industrial and municipal treatment processes and compare these to reject water requirements for the oil and gas industry and arrive at a common set of standards for the disposal of these waste products so that safe, economical methods of disposal will be available to encourage the application of these technologies in Texas. TCEQ is encouraged to consider and promulgate regulations to define standards related to quality and quantity of byproduct discharge and location.
- II. The Texas Legislature is urged to direct TCEQ to work with TWDB, TPWD and encouraged to work with USFWS (United States Fish and Wildlife Service), USACE (United States Army Corps of Engineers), and National Marine Fisheries Services to develop information on the potential environmental impacts of concentrate discharges from seawater desalination facilities and to facilitate the permitting of these discharges into tidal waters where site specific information shows that minimal environment damage would occur. Stewardship plans, to preserve economic diversification through environmental protection, should be included among the Legislature's support options. Off-shore zones in the Gulf of Mexico identified in the 2018 "Marine Seawater Desalination Diversion and Discharge Zones Study" by the Texas Parks and Wildlife Department and the General Land Office in response to House Bill 2031 and at the request of the 84<sup>th</sup> State Legislature should be considered for seawater desalination projects.
- III. Texas Legislature is urged to support state laws governing the procurement of professional services by public agencies in order to allow municipalities, water districts, river authorities, smaller communities, and other public entities, provided that they have the expertise, to utilize alternative delivery methods for public work projects, including desalination facilities. For example, some large-scale desalination facilities are now constructed using CMAR (Construction-Management-at-Risk) or Public Private Partnership methods, allowing for a cost-effective transfer of project risks to the private sector.
- IV. The Texas Legislature is urged to support evaluation, construction and implementation of a pilot desalination plant in the Coastal Bend Region to quantify and qualify impacts of operating a brackish or seawater desalination facility. Avoidance of environmentally sensitive bay and estuary ecological systems should be considered during planning and evaluation of brine disposal options, which may include considering deep well injection and brackish groundwater options that produce less brine.
- V. An evaluation should be undertaken of the feasibility of a local or regional desalination facility for the treatment of poor quality groundwater to improve the quality of potable water for Region N cities.
- VI. Studies of desalination options to further reduce the cost of using seawater and/or brackish groundwater should be continued.

### Groundwater Management

- I. The Texas Legislature is urged to provide funding for the Groundwater Management Areas to support their efforts towards the evaluation of groundwater availability and desired future conditions.
- II. Studies of the potential to develop ASR system(s) in the Gulf Coast Aquifer should be continued to help drought-proof water supplies in the Region.
- III. The TWDB, TCEQ, and the Texas Railroad Commission are urged to expand and intensify their activities in collecting, managing, and disseminating information on groundwater conditions and aquifer characteristics throughout Texas.
- IV. The TWDB is urged to continue funding for updates to the groundwater availability models at least on a five-year basis, specifically the Groundwater Management Area 16 Groundwater Flow Model covering the Coastal Bend Region.
- V. The Texas Legislature is urged to require the Texas Railroad Commission to cooperate with TWDB and TCEQ to encourage oil and gas well drillers to furnish e-logs, well logs, and other information and require logging of shallow, groundwater bearing formations to facilitate the better identification of aquifer characteristics.
- VI. The Texas Legislature is urged to appropriate funding for TWDB to continue and expand their statewide coastal, environmental flows, surface water, and groundwater data program and to consider additional funds, through regional institutions such as those in the Texas A&M University system, to support research, data collection, monitoring, modeling, and outreach related to coastal, surface water and groundwater management activities in the Coastal Bend region of Texas.
- VII. TCEQ is urged to amend rules and regulations to require routine water quality monitoring, by a non-partisan third-party, of mining operations and enforcement of water quality standards, including in situ mining and those with deep well injection practices.
- VIII. The Texas Legislature is urged to prohibit in-situ mining in aquifers that serve as drinking water sources for residents and livestock.
- XI. The Railroad Commission is urged to continue its identification of improperly plugged and abandoned oil and gas wells that adversely affect local groundwater supplies. Funding should be provided to address known problems and/or force responsible parties to properly plug abandoned wells, including oil, gas, and water wells.
- X. The TWDB is urged to consider local mining projects (such as natural gas from the Eagleford shale) when developing mining water demand projections in the future for regional planning. The TWDB is urged to continue to provide guidance on how planning groups should address local mining water projects, especially those associated with gas production from the Eagleford shale or other projects with variable, and often indeterminate production timelines.
- XI. Feasibility studies should be undertaken to identify opportunities/costs to develop regional groundwater systems that could utilize poor quality groundwater in conjunction with a desalination treatment plant to more effectively manage groundwater resources within the Coastal Bend Region.

XII. The Coastal Bend Region recognizes the importance of considering groundwater and surface water interaction when managing water resources and evaluating development of future water supplies. The Region encourages the Texas Legislature to provide funding for groundwater conservation districts and groundwater management areas to consider protection of springs and groundwater-surface water interaction when considering new DFCs.

### Surface Water Management

- The Texas Legislature is urged to provide funding for the development of periodic updates to surface water availability models, (WAMs), with specific consideration to updating the Nueces River Basin WAM to extend through the current drought period.
- II. The TCEQ is urged to enforce existing rules and regulations with respect to water impoundments.
- III. Environmental studies of the segments of the Frio and Nueces Rivers downstream of Choke Canyon Reservoir to the Calallen Pool intakes should be undertaken to fully evaluate the potential impacts of reduced instream flows, including groundwater recharge.

### Regional Water Resources Data Collection and Information Management

I. The Texas Legislature is urged to provide SB1 planning funds, through the Coastal Bend RWPG to a regional institution, to support regional water resources data collection and activities to develop and maintain a "Regional Water Resources Information Management System" for the Coastal Bend area.

### Role of the RWPGs

- I. The RWPG should play a role in facilitating public information/public education activities that promote a wider understanding of state and regional water issues and the importance of long-range regional water planning.
- II. The TWDB is encouraged to set up focus work group discussions for regional water planning-related studies and invite participation from RWPG representatives to provide local input when developing water demand projections or other data that regional planning groups rely on to develop their plan.
- III. The Texas Legislature is urged to continue funding the TWDB to provide support for state mandated regional water planning group activities.
- IV. Public entities in the Coastal Bend Water Planning Region are urged to provide their share of continued funding for the administrative support activities that facilitate the Coastal Bend RWPG activities.

### Water Quality

- I. The Texas Legislature is urged to support studies to closely monitor discharges from sand and gravel operations in the Nueces River watershed and particularly Lower Nueces River.
- II. Studies should be undertaken to analyze the effects/costs of new EPA Safe Drinking Water Act requirements regarding the treatment of problematic constituents in water on stakeholders and water users in the Coastal Bend Region.

## Additional Recommendations

The following additional recommendations were developed by the Coastal Bend RWPG:

- I. A detailed inventory of irrigation systems, crops, and acreage should be undertaken to more accurately estimate irrigation demands in the region.
- II. The Coastal Bend Region requests additional clarification is provided by the Texas Legislature regarding the repercussions of identifying a stream segment as unique.

Draft Table 7.1 Region N Entities with Available Drought Contingency Plans (DCPs)

Region	County Name	WUG	DB22 EntityRwpld	DCP on File	DCP Date
Wholesale Water Providers and Lavaca Navidad River Authority					
N	NUECES	CORPUS CHRISTI	32	х	2018
Ν	SAN PATRICIO & NUECES	SAN PATRICIO MUNICIPAL WATER DISTRICT (SPMWD)	119	x	2019
N	KLEBERG	SOUTH TEXAS WATER AUTHORITY	123	х	2024
N	NUECES	NUECES COUNTY WCID #3	104	х	2019
N	JACKSON	LAVACA NAVIDAD RIVER AUTHORITY	n/a	х	2024
Water Us	er Groups				
N	ARANSAS	ARANSAS PASS	185	х	2008
N	ARANSAS	ROCKPORT	2152	х	2013
N	BEE	BEEVILLE	222	х	2024
N	BEE	PETTUS MUD	13190	х	2024
Ν	BROOKS	FALFURRIAS	710	Х	1999
Ν	DUVAL	FREER WCID	740	х	2000
Ν	DUVAL	SAN DIEGO MUD #1	2176	х	2000
N	JIM WELLS	ALICE	163	х	2019
N	JIM WELLS	ORANGE GROVE	2033	х	2000
N	KLEBERG	KINGSVILLE	1163	х	2002
N	KLEBERG	RICARDO WSC	2126	х	2018
N	LIVE OAK	EL OSO WSC	4104	х	2009
N	LIVE OAK	MCCOY WSC	4250	х	2000
N	LIVE OAK	THREE RIVERS	2369	х	2014
N	LIVE OAK	OLD MARBACH SCHOOL WSC	10091	x	2006
N	NUECES	NUECES WSC	2871	х	2019
N	NUECES	RIVER ACRES WSC	2141	х	2021
N	SAN PATRICIO	ODEM	2024	х	2013
N	SAN PATRICIO	INGLESIDE	874	х	2018
N	SAN PATRICIO	TAFT	2349	х	2013
N	SAN PATRICIO	PORTLAND	2093	х	2024
N	SAN PATRICIO	RINCON WSC	2846	х	2009
County-Other Entities					
N	ARANSAS	ARANSAS COUNTY MUD #1	n/a	х	2009
N	ARANSAS	COPANO HEIGHTS WATER COMPANY	n/a	x	2018
N	ARANSAS	HOLIDAY BEACH WATER SUPPLY CORPORATION	n/a	x	2018
N	BEE	BLUEBERRY HILLS	n/a	x	2005
N	KLEBERG	BAFFIN BAY WSC	n/a	x	2015
N	KLEBERG	ESCONDIDO CREEK ESTATES	n/a	х	2000
N	KLEBERG	RIVIERA	n/a	x	2000
N	MCMULLEN	MCMULLEN COUNTY WCID #2	n/a	x	2002

Draft Table 7.2. City of Corpus Christi Surface Water Sources Drought Contingency Response

Drought Contingency Stage	Reservoir System Storage	Actions	
Stage I – Mild	*Less than 40%	<ul> <li>Target treated water demand reduction of 10 percent, including for wholesale water contracts.</li> <li>City Manager issues a public notice implementing required water conservation measures.</li> <li>More repair crews will be used if necessary to repair leaks.</li> <li>Irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems shall be limited to once per week based on the City Manager's watering schedule.</li> <li>Fire hydrant use is restricted to the interest of public health and safety.</li> <li>Prohibits use of water for Golf Course irrigation to designated water days unless the course uses a source other than Corpus Christi Utilities.</li> <li>Use of water to maintain integrity of building foundations is limited to watering days and handheld hose or drip irrigation.</li> </ul>	
Stage II – Moderate	*Less than 30%	<ul> <li>In addition to Actions under Stage I, take the following actions:</li> <li>Target water demand reduction of 20 percent, including for wholesale water contracts</li> <li>Flushing of water mains is eliminated unless in interest of public safety.</li> <li>Irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems shall be limited to once every other week.</li> <li>The watering of golf course fairways with potable water is prohibited</li> </ul>	
Stage III – Critical	*Less than 20%	<ul> <li>In addition to Actions under Stage II, take the following actions:</li> <li>Target water demand reduction of 30 percent, including for wholesale water contracts</li> <li>Irrigation of landscaped areas shall be prohibited at all times.</li> <li>Use of water to wash any motor vehicle, motorbike, boat, trailer, or other vehic not occurring on the premises of a commercial car wash and not in the immed interest of public health, safety, and welfare is prohibited.</li> <li>The filling, refilling, or adding of water to swimming pools, wading pools, and jacuzzi-type pools, and water parks (unless utilizing water from a non-city sour is prohibited. Fountains may operate to maintain equipment.</li> <li>Optional: prohibit applications for water service facilities of any kind.</li> </ul>	
Stage IV – Emergency	Not applicable	<ul> <li>In addition to Actions under Stage III, take the following actions:</li> <li>Achieve a 50% or greater reduction in daily treated water demand relative to treated water demand.</li> <li>Irrigation of landscaped area is absolutely prohibited.</li> <li>Use of water to wash any motor vehicle, motorbike, boat, trailer, or other vehicle is absolutely prohibited.</li> <li>Associated uses of water not related to business process which are discretionary, such as equipment washing, shall be deferred until the Stage 5 emergency has been terminated.</li> </ul>	

\* CCR/LCC combined storage

\*\* Other purposes include vehicle washing, indoor and outdoor pools, golf course irrigation, and use of water for the integrity of building foundations.

Draft Table 7.3. San Patricio Municipal Water District Drought Contingency Response

Drought Contingency Stage	Reservoir System Storage	Actions	
Stage I – Mild	*less than 40%	<ul> <li>District Manager issues a public notice to inform water users of the Corpus Christi water supply region to begin voluntary conservation measures.</li> <li>Target water demand reduction of 5 percent, including for wholesale water contracts.</li> <li>All operations of the District shall adhere to water use restrictions prescribed for Stage 2 of the DCP</li> </ul>	
Stage II – Moderate	*Less than 30%	<ul> <li>District Manager issues a public notice implementing required water conservation measures.</li> <li>Irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems shall be limited to once per week.</li> <li>District Manager issues a lawn watering schedule and designates watering days and specific exemptions for **other purposes.</li> <li>Prohibits use of water to wash down of any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas, except if it is in the interest of public health and safety.</li> <li>Prohibits use of water to wash down buildings or structures for purposes other than immediate fire protection without permit granted by the District Manager.</li> <li>Prohibits use of water for dust control without permit granted by the District Manager.</li> <li>Target water demand reduction of 10 percent, including for wholesale water contracts.</li> </ul>	
Stage III – Critical	*Less than 20%	<ul> <li>In addition to Actions under Stage II, take the following actions:</li> <li>Irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems shall be limited to once every other week.</li> <li>The watering of golf course fairways with potable water is prohibited.</li> <li>Target water demand reduction of 15 percent, including for wholesale water contracts.</li> </ul>	
Stage IV – Emergency	When the District Manager, or designee, deems appropriate	<ul> <li>Irrigation of landscaped areas shall be prohibited at all times.</li> <li>Use of water to wash any motor vehicle, motorbike, boat, trailer, or other vehicle not occurring on the premises of a commercial car wash and not in the immediate interest of public health, safety, and welfare is prohibited.</li> <li>The filling, refilling, or adding of water to swimming pools, wading pools, and jacuzzi-type pools, and water parks (unless utilizing water from a non-city alternative source) is prohibited.</li> <li>The use of water to maintain the integrity of a building foundation is permitted on the designated watering day and shall be done by hand or drip irrigation method.</li> <li>Target water demand reduction of 30 percent, including for wholesale water contracts.</li> </ul>	

\* CCR/LCC combined storage

\*\* Other purposes include vehicle washing, indoor and outdoor pools, golf course irrigation, and use of water for the integrity of building foundations.

Draft Table 7.4. South Texas Water Authority Drought Contingency Response

Drought Contingency Stage	Reservoir System Storage	Actions	
Stage I – Mild Water Shortage Conditions	*Less than 40%	<ol> <li>Notify all its wholesale water customers regarding the initiation of the drought response stage and the possibility of pro rata curtailment or water diversions and/or deliveries.</li> <li>The Executive Director/Administrator or designee, will request wholesale water customers to initiate mandatory measures to reduce non-essential water use.</li> <li>The Executive Director/Administrator or designee, will initiate preparations for the implementation of pro rata curtailment of water diversions and/or deliveries by preparing a monthly water usage allocation baseline for each wholesale customer according to the procedures specified in the Plan.</li> <li>Target water demand reduction of 10 percent.</li> </ol>	
Stage II – Moderate Water Shortage Conditions	*Less than 30%	<ul> <li>In addition to Actions 1-3 under Stage I, take the following actions:</li> <li>5. The Executive Director/Administration or designee will provide reports as needed to the City of Corpus Christi with information regarding wholesale customer usage.</li> <li>6. Target water demand reduction of 20percent.</li> </ul>	
Stage III – Critical Water Shortage Conditions	*Less than 20%	<ol> <li>Request wholesale customers continue with conditions set during Stage II. In addition, request that wholesale customers consider implementation of additional regulations and prohibitions.</li> <li>The Executive Director/Administration or designee will provide reports as needed to the City of Corpus Christi with information regarding wholesale customer usage.Target water demand reduction of 30 percent.</li> </ol>	
Stage IV – Emergency Water Shortage Conditions	Not applicable	<ol> <li>Request wholesale customers continue with conditions set during Stage III. In addition, request that wholesale customers consider implementation of additional regulations and prohibitions.</li> <li>Assess the severity of the problem and identify the actions needed and time required to solve the problem.</li> <li>Inform the utility director or other responsible official of each wholesale water customer by telephone or in person and suggest actions, as appropriate, to alleviate problems.</li> <li>If appropriate, notify city, county, and/or state emergency response officials for assistance.</li> <li>Undertake necessary actions, including repairs and/or cleanup as needed.</li> <li>Prepare a post-event assessment report on the incident and critique of emergency response procedures and action.</li> </ol>	

\*Corpus Christi/Choke Canyon Reservoirs (CCR/LCC) combined storage

Draft Table 7.5. Nueces County WCID #3 Drought Contingency Response

Drought Contingency Stage	Reservoir System Storage	Actions	
Stage I – Mild Water Shortage Watch	Water in the reservoirs is less than 40% of total storage capacity	<ul> <li>The District will notify all its customers regarding the initiation of the drought response stage.</li> <li>Target water demand reduction of 10%, preferable during times of peak use.</li> <li>Agricultural irrigation shall be limited to twice per week.</li> <li>Stage 1 Drought Condition Water Rates may be initiated.</li> </ul>	
Stage II – Moderate Water Shortage Watch	Water in the reservoirs is less than 30% storage capacity	<ul> <li>The District will notify all its customers regarding the initiation of the drought response stage.</li> <li>Target water demand reduction of 20%</li> <li>Use of water to wash motor vehicle, boat, trailers, other vehicles, refilling swimming pools is prohibited except on designated watering days. Operation of ornamental ponds is prohibited.</li> <li>Use of water to fill, refill, or add to any indoor or outdoor swimming pools or prohibited except on designated watering days between midnight and 10 AM and 8 pm and midnight.</li> <li>Use of water from hydrants should be limited to firefighting, related activities, or other activities necessary to maintain public health, safety, and welfare, except that use of water from designated fire hydrants for construction purposes may be allowed under special permit from the District.</li> <li>If water source is provided by District, use of water for the irrigation of golf course greens, tees, and fairways is prohibited except on designated watering days between the hours of midnight and 10 AM and 8 PM and midnight.</li> <li>All restaurants are prohibited from serving water to patrons except upon request by the patron</li> <li>Non-essential water use such as washing down of surfaces, washing structures, dust control, flushing gutters, or failure to repair leaks are prohibited.</li> </ul>	
Stage III – Critical Water Shortage Conditions	Water in the reservoirs is less than 20% of total storage capacity	<ul> <li>The District will notify all its customers regarding the initiation of the drought response stage.</li> <li>Target water demand reduction of 30% or greater</li> <li>All Stage II provisions will be enforced.</li> <li>The use of potable water for watering golf course tees is prohibited.</li> <li>The use of water for construction purposes from designated fire hydrants under special permit may be discontinued.</li> <li>Agricultural irrigation shall be limited to designated watering days. The use of hose-end sprinklers is prohibited at all times.</li> <li>Upon written notice, the water meters of willful violators will be disconnected if absolutely necessary to prevent the deliberate wasting of water.</li> <li>Stage 3 Drought Condition Water Rates may be initiated.</li> </ul>	
Stage IV – Emergency Water Shortage Conditions	Major line break, pump or system failure, water production or distribution limitations, contamination of water supply	<ul> <li>The District will notify all its customers regarding the initiation of the drought response stage.</li> <li>Target water demand reduction of 50% or greater.</li> <li>All requirements of Stage 1, 2, and 3 shall remain in effect.</li> <li>Use of water to wash motor vehicle, boat, trailers, other vehicles, and refilling swimming pools is prohibited.</li> <li>Agricultural irrigation water will be eliminated.</li> <li>Associated uses of water not related to business process which are discretionary, such as equipment washing, shall be deferred until Stage 5 is terminated.</li> <li>District will call the 10 largest water consumers in the area affected by the emergency condition and, if necessary, use runners in key areas to begin spreading the message of a major outage.</li> </ul>	

Draft Table 7.6. Lavaca Navidad River Authority's Drought Contingency Response

Drought Condition	Trigger	Actions
Condition I – Mild Water Shortage Condition	Lake Texana Reservoir elevation is at or below elevation 43.00 ft msl	<ol> <li>LRNA will notify TCEQ Watermaster of reservoir condition.</li> <li>Watermaster will notify water rights permit holders upstream of Lake Texana of reservoir conditions.</li> <li>Inform public, giving notice of reservoir conditions to the customers served by LNRA.</li> <li>Target water demand reduction of 50 percent of the use that would have occurred in the absence of drought contingency measures.</li> <li>5.</li> </ol>
Condition II – Moderate Water Shortage Condition	Lake Texana Reservoir elevation is at or below elevation 40.23 ft msl	<ol> <li>In addition to Actions 1–3 under Conditions I, take the following actions</li> <li>Notify TPWD of reservoir condition and change in B&amp;E release schedule.</li> <li>Include recommendations to conserve water in information to the public.</li> <li>Target water demand reduction of 5 percent of the use that would have occurred in the absence of drought contingency measures.</li> <li>9.</li> </ol>
Condition III – Severe Water Shortage Condition	Lake Texana Reservoir elevation is at or below elevation 34.09 ft msl Water supply emergency occurs or drought worse than the Drought of Record is declared	<ol> <li>LRNA will notify TCEQ Watermaster and Dam Safety Team of reservoir condition.</li> <li>Inform public, giving notice of reservoir condition and delivery volume.</li> <li>Implement pro rata reduction of water deliveries to industrial and municipal customers.</li> <li>Through the news media, the public should be advised daily of the trigger conditions, the mandatory reduction, and that water users conserve water.</li> </ol>
Condition IV – Critical Water Shortage Condition	Contamination of water supply source Failure or damage to the operating structures due to a natural or catastrophic event Water supply emergency occurs or drought worse than the Drought of Record is declared	<ol> <li>LRNA will notify TCEQ Watermaster and Dam Safety Team of reservoir condition.</li> <li>Inform public, giving notice of reservoir condition and delivery volume.</li> <li>Implement pro rata reduction of water deliveries to industrial and municipal customers.</li> <li>Through the news media, the public should be advised daily of the trigger conditions, the mandatory reduction, and that water users conserve water.</li> </ol>

## 7.2.3 Summary of Existing Triggers and Responses

Through timely implementation of drought response measures, it is possible to meet the goals of the DCP by avoiding, minimizing or mitigating risks and impacts of water shortages and Drought. In order to accomplish this, DCPs are built around a collection of drought responses and triggers based on various drought stages. Inclusion of stages is typical of all DCP's, but stage definition can vary from entity to entity. Stage one will normally represent mild water shortage conditions and the severity of the situation will increase through the stages until emergency water conditions are reached and, in some cases, a water allocation stage is defined.

The CBRWPG conducted an overall assessment of current preparations for drought within the Coastal Bend Region to determine how water suppliers in the region identify and respond to drought. Drought contingency plan information on stage, trigger and response for 31 DCPs in the region and LNRA was compiled, including those from WWPs, WUGs and County-Other suppliers. The majority of the DCPs in the region have voluntary Stage I and Mandatory Stage II and III categories. Most entities include a Stage IV and a few entities specify a Stage V scenario. Target reductions, triggers and responses are included for most stages. Triggers for individual Region N water user groups can be found in Table 7.7 and corresponding responses can be found in Table 7.8.

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
Water User Groups						
City of Aransas	SW	Mild Water	Moderate Water	Severe Water	Critical Water	Emergency Water
Pass (Aransas		Shortage	Shortage	Shortage	Shortage	Shortage
County)		Conditions	Conditions	Conditions	Conditions	Conditions
		When the LCC/CCR	When the LCC/CCR	When the LCC/CCR	When the LCC/CCR	When the City
		system storage falls	system storage falls	system storage falls	system storage falls	Council or their
		below 50% of	below 40% of	below 30% of	below 15% of maxi-	designee determines
		maximum capacity.	maximum capacity.	maximum capacity.	mum capacity.	that a water supply
					Whenever there is	emergency exists.
					an interruption in the	Major water line
					City of Corpus	breaks, or pump or
					Christi or SPMWD's	system failures
					raw water supply.	occur, which cause
					When there is a	unprecedented loss
					mechanical break-	of capability to pro-
					down in the City of	vide water service.
					Corpus Christi or	Natural or man-made
					SPMWD's WTP	contamination of the
					which causes plant	water supply
					shutdown for an	source(s).
					extended period of	
					time.	

#### Draft Table 7.7. Region N DCP Drought Triggers
Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
City of Rockport (Aransas County)	SW	<i>Mild Water</i> <i>Shortage</i> <i>Conditions</i> When the LCC/CCR system storage falls below 50% of maximum capacity. OR Lake Texana storage declines below 40%	Moderate Water Shortage Conditions When the LCC/CCR system storage falls below 40% of maximum capacity.	Severe Water Shortage Conditions When the LCC/CCR system storage falls below 30% of maximum capacity.	Critical Water Shortage Conditions When the LCC/CCR system storage falls below 20% of maximum capacity.	<i>Emergency Water</i> <i>Shortage</i> <i>Conditions</i> When the City Council or their designee determines that a water supply emergency exists. Major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to pro- vide water service. Water production or transmission system limitations. Natural or man-made contamination of the water supply source(s).
City of Three Rivers (Live Oak County)	SW	Mild Water Shortage Conditions When CCR storage falls below 50% of maximum capacity. OR City of Corpus Christi declares Stage 1 OR When there is high demand on the system.	Moderate Water Shortage Conditions When CCR storage falls below 40% of maximum capacity. OR City of Corpus Christi declares Stage 2 OR When daily water demand exceeds 85% of capacity for 3 consecutive days.	Severe Water Shortage Conditions When CCR storage falls below 30% of maximum capacity. OR City of Corpus Christi declares Stage 3 OR When daily water demand exceeds 90% of capacity for 3 consecutive days.	Critical Water Shortage Conditions When CCR storage falls below 20% of maximum capacity. OR City of Corpus Christi declares Stage 4 OR When daily water demand exceeds 95% of capacity for 3 consecutive days.	Emergency Water Shortage Conditions Major limitations to water system components, water productions or distribution limita- tions, or supply contamination.
City of Beeville (Bee County)	SW	<i>Mild Water</i> <i>Shortage</i> <i>Condition</i> Lake Levels less than40% and production from Chase Wells cannot meet system demand	Moderate Water Shortage Condition Lake Levelsless than 30% and production from Chase Wells cannot meet system demands	Severe Water Shortage Condition Lake Levels less than 20% and production from Chase Wells cannot meet system demands	<i>Emergency Water</i> <i>Shortage</i> In the case of an emergency, contamination, or if water system fails to produce water	

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
Pettus MUD	GW	Mild Water	Moderate Water	Severe Water	Critical Water	Emergency Water
(Bee County)		Shortage	Shortage	Shortage	Shortage	Shortage
		Conditions	Conditions	Conditions	Conditions	Conditions
		Total exceeds daily	Total daily water	Total daily water	Total daily water	System outage due
		water demand	demand equals or	demand equals or	demand equals or	to equipment failure
		equals safe or	exceeds 90% of the	exceeds 95% of the	exceeds 100% of	
		operating 85% of	systems safe	systems safe	the systems safe	
		capacity the for	operating capacity	operating capacity	operating capacity	
		system's three	for three consecu-	for three consecu-	for three consecu-	
		consecutive days or	tive days or equals	tive days or equals	tive days or equals	
		equals or exceeds	or exceeds 95% of	or exceeds 100% of	or exceeds 100% of	
		90% of system	system capacity on	system capacity on	system capacity on	
		capacity on a single	a single day.	a single day.	a single day.	
<b>Folfumio</b>	044		Madavata Matav	Causera Matar	Critical Mator	Francisco a su 14/a ta v
Faiturrias	GW	Willa Water	Noderate water	Severe water	Critical water	Emergency water
(Brooks County)		Conditions	Conditions	Conditions	Conditions	Conditions
		Static water level in	Two or more	Three or more	Four or more	General manager or
		the Falfurrias water	triggering criteria	triggering criteria	triggering criteria	designee determines
		wells equal to or	listed for Stage 1	listed for Stage 1	listed for Stage 1	that a water supply
		below mean sea	exist	exist	exist	emergency exists
		level OR specific				based on:
		capacity is equal to				Major water line
		or less than 5%				breaks or
		original specific				Natural or man-made
		capacity OR total				contamination of the
		daily water demand				water supply
		exceeds 2.5 MG for				source(s).
		10 days or 5 MG on				
		a single day; OR				
		falling treated				
		reservoir levels that				
		do not refill above				
		80% overnight				

Water Systems	SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
Freer WCID	GW	Mild Water	Moderate Water	Severe Water	Critical Water	Emergency Water
(Duval County)		Shortage	Shortage	Shortage	Shortage	Shortage
		Conditions	Conditions	Conditions	Conditions	Conditions
		(voluntary)	When daily water	When the specific	When the static	Major water line
		Annually, beginning	demand total equals	capacity of the Freer	water level in the	breaks, or pump or
		May 1 through	or exceeds 700,000	WCID wells is equal	Freer WCID wells is	system failures
		September 1.	gallons for 10	to or less than 70%	equal to or less than	occur, which cause
		When the static	consecutive days or	of the well's original	10 feet above sea	unprecedented loss
		level in the Freer	700,000 gallons on	specific capacity.	level.	of capability to
		WCID is equal to or	a single day.			provide water service
		less than 10 feet				OR
		above sea level.				Natural or man-made
		When the specific				contamination of the
		capacity of the Freer				water supply
		WCID wells are				source(s)
		equal to or less than				
		70% of the wells				
		onginal specific				
		When total daily				
		water domand				
		700 000 callons for				
		10 consecutive days				
		or 700 000 gallone				
		on a single day.				

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
San Diego MUD	GW	Mild Water	Moderate Water	Severe Water	Emergency Water	
#1 (Duval		Shortage	Shortage	Shortage	Shortage	
County)		Conditions	Conditions	Conditions	Conditions	
		Annually, beginning	Water levels fall	Water levels fall	Major water line	
		on May 1 through	below 70% of	below 50% of	breaks, or pump or	
		October 31 of every	storage capacity.	storage capacity.	system failures	
		year.	Water demands	Water demands	occur, which cause	
		When the water	exceed 70% of	exceed 90% of	unprecedented loss	
		supply available to	water well capacity.	water well capacity.	of capability to pro-	
		the San Diego	When the static	When the static	vide water service	
		Municipal Utility	water level in the	water level in the		
		District No. 1 is	San Diego Muni-	San Diego	Natural or man-	
		equal or less than		Municipal Utility	made contamination	
		70% of storage	NO. I Well(S) IS	District No. 1 Well(S)	or the water supply	
		When the static	100 foot above	than 100 foot above	source(s).	
		water level in the	water numps	water numps		
		San Diego Muni-	water pumps.	System outages due		
		cinal Water Litility		to equipment failure		
		District No 1 well(s)				
		is equal or less than				
		100 feet above				
		water pump level.				
		When the specific				
		capacity of the San				
		Diego Municipal				
		Utility District No. 1				
		well(s) is equal to or				
		less than 70% of the				
		well's original				
		specific capacity.				
		When total daily				
		water demands				
		equal or exceed one				
		million gallons for				
City of Alian ( line	014/	S consecutive days.	Madavata Matav	Caura Matar	Critical Mater	Francisco V Matai
City of Alice (Jim	300	Nilla Water	Moderate water	Severe water	Critical water	Emergency water
wells County)		Conditions	Conditions	Conditions	Conditions	Conditions
		When the LCC	When the LCC	When the LCC	When the LCC	Major line breaks or
		water elevation is	water elevation is	water elevation is	water elevation is	nump or system
		below 88 feet.	below 86 feet.	below 82 feet.	below 74 feet.	failures occur, which
						cause unprece-
						dented loss of
						capacity to provide
						water service.
						Natural or man-made
						contamination of
						water supply
						source(s).

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
City of Orange Grove (Jim Wells County)	GW	Mild Water Shortage Conditions (voluntary) When the static water level in City Water Well No. 4 is equal or more than 140 feet below the top of the casing. When total daily water demands equals or exceeds 90% of system safe operating capacity which is 750,000 gallons per day, for 10 consecutive days.	Moderate Water Shortage Conditions When the static water level in City Water Well No. 4 drops to 150 feet below the top of the casing.	Severe Water Shortage Conditions When the static water level in City Water Well No. 4 reaches 160 feet below the top of the casing.	Critical Water Shortage Conditions When the static water level in City Water Well No. 4 reaches 165 feet below the top of the casing.	<i>Emergency Water</i> <i>Shortage</i> <i>Conditions</i> Major line breaks, or pump or system failures occur, which cause unprece- dented loss of capacity to provide water service. Natural or man-made contamination of water supply source(s).
City of Kingsville (Kleberg County)	GW	Mild Water Shortage Conditions Capacity of groundwater wells less than= 90% capacity AND Total daily water demand exceeds 6 million gallons for 3 consecutive days	Moderate Water Shortage Conditions Capacity of groundwater wells less than= 85% capacity AND Total daily water demand exceeds 7 million gallons for 3 consecutive days	Severe Water Shortage Conditions Capacity of groundwater wells less than= 80% capacity AND Total daily water demand exceeds 7.5 million gallons for 3 consecutive days	<i>Emergency Water</i> <i>Shortage</i> <i>Conditions</i> Major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to pro- vide water service. Natural or man- made contamination of the water supply source(s).	<i>Water Allocation</i> City manager determines that water shortage conditions threaten public health, safety and welfare.
Ricardo WSC (Kleberg County)	SW	<i>Mild Water</i> <i>Shortage</i> <i>Conditions</i> When the LCC/CCR system storage falls below 40% of combined level.	Severe Water Shortage Conditions When the LCC/CCR system storage falls below 30% of combined level.	Critical Water Shortage Conditions When the LCC/CCR system storage falls below 20% of combined level.	Emergency Water Shortage Conditions When the City Council or their designee deter- mines that a water supply emergency exists. Major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to pro- vide water service. Water production or distribution system limitations. Natural or man-made contamination of the water supply source(s).	

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
Riviera Water System (Kleberg County)	GW	Customer Awareness Every April 1st, the utility will mail a public announce- ment to its customers.	Voluntary Water Conservation Overnight Recovery rate reaches 4 ft. 17 Pump hours per day.	Mandatory Water Use Restrictions Overnight Recovery rate reaches 2 ft. 20 Pump hours per day.	Critical Water Use Restrictions Overnight Recovery rate reaches 0 ft. 22 Pump hours per day.	
El Oso WSC (Service area includes 500 square miles located in Karnes, Bee, Wilson, and Live Oak Counties)	GW	<i>Mild Water</i> <i>Shortage</i> <i>Conditions</i> Well flow from any regularly used well is less than 90% of full capacity. A storage facility is not filled for 72 consecutive hours. An elevated storage tank is out of service due to repainting or other required maintenance.	Moderate Water Shortage Conditions Well flow from any regularly used well is less than 80% of full capacity. A storage facility is not filled for 96 consecutive hours.	Severe Water Shortage Conditions Well flow from any regularly used well is less than 70% of full capacity. A storage facility is not filled for 120 consecutive hours.	Critical Water Shortage Conditions Well flow from any regularly used well is less than 60% of full capacity. A storage facility is not filled for 144 consecutive hours.	<i>Emergency Water</i> <i>Shortage</i> <i>Conditions</i> Major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to pro- vide water service. Natural or man-made contamination of the water supply source(s).
Old Marbach School WSC	GW	Customer Awareness Every year utility will mail a public announcement to customers April 30- ends September 30	Voluntary Water Conservation Water supply is reduced to a level that is only 20% greater than the average consumption for previous month, water demand has reached 80% of daily maximum supply for 3 consecutive days, or extended period of at least 8 weeks of low rainfall and daily use has risen 20% above use for same period during previous year	Mandatory Water Use Restrictions Water level in water storage tanks cannot be replenished for three consecutive days or water demand has reached 90% of the amount available for three consecutive days	Critical Water Use Restrictions Water consumption of 100% of the maximum available and the water storage levels drop during one 24 hour period, water demand of 95% or more of max available for three consecutive days, failure of major component of system which reduces pressure <20 psi for >24 hours, events affecting health or safety of public	
McCoy WSC (Service area includes 608 square miles located in Atascosa, Wilson, and Live Oak Counties)	GW	<i>Mild Water</i> <i>Shortage</i> <i>Conditions</i> Well flow from any regularly used well is less than 90% of full capacity. A storage facility is not filled for 72 consecutive hours. An elevated storage tank is out of service due to repainting or other required maintenance.	Moderate Water Shortage Conditions Well flow from any regularly used well is less than 80% of full capacity. A storage facility is not filled for 96 consecutive hours.	Severe Water Shortage Conditions Well flow from any regularly used well is less than 70% of full capacity. A storage facility is not filled for 120 consecutive hours.	Critical Water Shortage Conditions Well flow from any regularly used well is less than 60% of full capacity. A storage facility is not filled for 144 consecutive hours.	<i>Emergency Water</i> <i>Shortage</i> <i>Conditions</i> Major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to pro- vide water service. Natural or man-made contamination of the water supply source(s).

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
Nueces WSC (Nueces County)	SW	<i>Mild Water</i> <i>Shortage</i> <i>Conditions</i> When the LCC/CCR system storage falls below 40% of combined level.	Severe Water Shortage Conditions When the LCC/CCR system storage falls below 30% of combined level.	Critical Water Shortage Conditions When the LCC/CCR system storage falls below 20% of combined level.	Emergency Water Shortage Conditions When the City Council or their designee deter- mines that a water supply emergency exists. Major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to pro- vide water service. Water production or distribution system limitation. Natural or man-made contamination of the water supply source(s).	
River Acres WSC (Nueces County)	SW	Water Shortage Possibility Combined water stored in the reservoirs is less than 40%. (LCC/CC)	Water Shortage Warning Combined water supply in the reservoirs is less than 30% (LCC/CC	Water Shortage Conditions Combined water stored in the reservoirs is less than 20%. (LCC/CC.	Water Shortage Emergency Water line breaks, pump or system failures occur which causes loss of capability to provide water service, water production or distribution system limitations, natural or man-made contamination of the water supply source occurs	
City of Odem (San Patricio County)	SW	Mild Water Shortage Conditions When the LCC/CCR system storage falls below 50% of maximum capacity. OR Lake Texana storage declines below 40% Water demand reaches 85% of firm production capacity OR A water system issue reduces capacity below 85% during high demand periods.	Moderate Water Shortage Conditions When the LCC/CCR system storage falls below 40% of maximum capacity. Water demand reaches 90% of firm production capacity OR A water system issue reduces capacity below 75% during high demand periods.	Severe Water Shortage Conditions When the LCC/CCR system storage falls below 30% of maximum capacity. Water demand reaches 95% of firm production capacity OR A water system issue reduces capacity below 70% during high demand periods.	Critical Water Shortage Conditions When the LCC/CCR system storage falls below 20% of maximum capacity. Water demand reaches 100% of firm production capacity.	<i>Emergency Water</i> <i>Shortage</i> <i>Conditions</i> Extended period of the Severe or Critical condition. Major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to pro- vide water service. Natural or man-made contamination of the water supply source(s).

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
City of Ingleside	ŚŴ	Mild Water	Moderate Shortage	Severe Water	Critical Water	Emergency Water
(San Patricio		Shortage	Conditions	Shortage	Shortage	Shortage
County)		Conditions	Combined Lake and	Conditions	Conditions	Conditions
		Combined storage	Reservoir levels	Combined Lake and	Combined Lake and	Extended period of
		level of Choke	declines to below	Reservoir levels	Reservoir levels	the severe or critical
		Canyon Reservoir	40%, OR	declines to below	declines to below	condition, OR
		and Lake Corpus	Water demand	30%, OR	20%. OR	Any natural
		Christi declines	exceeds ninety	Water demand	Water demand	catastrophic
		Delow 50% of Lake	firm production	reaches ninety-live	reaches one	situations that
				firm production	(100%) of firm	notential to interrupt
		40%	A disruption due to	canacity OR	production	the City's notable
		OR	equipment or	A disruption due to	capacity	water supply.
		Water demand	distribution system	equipment or	eshered)	including but not
		reaches eighty-five	failure that would	distribution system		limited to the
		percent (85%) of	limit the capacity of	failure that would		following:
		firm production	the water system	limit the capacity of		a) A major water line
		capacity	below seventy five	the water system		break, or pump or
		OR	percent (75%) of	below seventy		system failure
		A disruption due to	capacity during high	percent (70%) of		occurs, which
		equipment or	demand periods	capacity during high		causes
		distribution system		demand periods.		unprecedented loss
		limit the consoit of				or capability to
		the water system				provide water
		helow eighty-five				b) Water distribution
		percent (85%) of				system limitations
		capacity during high				OR
		demand periods				c) Natural or man-
						made contamination
						of the water supply
						source occurs.
City of Taft	SW	Mild Water	Moderate Water	Severe Water	Emergency Water	Water Allocation
(San Patricio		Shortage	Shortage	Shortage	Shortage	When the City of
County)		Conditions	Conditions	Conditions	Conditions	Corpus Christi and/or
		When the City of	When the City of	When the City of	When the City of	the San Patricio
		Corpus Christi	Corpus Christi	Corpus Christi	Corpus Christi	Municipal Water
		and/or the San	and/or the San	and/or the San	and/or the San	District declares this
		Mater District	Mater District	Mater District	Mater District	condition
		declares this water	declares this water	declares this water	declares this water	Maior water line
		shortage condition.	shortage condition.	shortage condition.	shortage condition.	breaks, or pump or
		strendige contaition	enertaige contaitioni	enertaige containent	errerunge eerrennern	svstem failures
						occur, which cause
						unprecedented loss
						of capability to pro-
						vide water service.
						Natural or man-made
						contamination of the
						water supply
1			1	1		source(s).

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
City of Portland (San Patricio County)	SW	Mild Water Shortage Conditions When the LCC/CCR system storage is below 40% of maximum capacity.	Moderate Water Shortage Conditions When the LCC/CCR system storage is below 30% of maximum capacity.	Critical Water Shortage Conditions When the LCC/CCR system storage is estimated to be less than or equal to 20% of maximum capacity.		Emergency Water Shortage Conditions When the City of Corpus Christi determines that a water supply emergency exists based on: Major line breaks, or pump or system failures occur, which cause unprece- dented loss of capacity to provide water service. Water production or distribution system limitations. Natural or man-made contamination of water supply source(s).
Rincon WSC	SW	Water Watch	Water Alert	Water Warning	Water Emergency	
(San Patricio		Any short-term or	Any short-term or	Any short-term or	Any snort-term or	
oounty)		requiring a 10%	requiring an 11% to	requiring a 21% to	requiring a 36%or	
		reduction in water	20% reduction in	35% reduction in	greater reduction in	
		consumption.	water consumption.	water consumption.	water consumption.	
<b>County-Other Ent</b>	ities					
Aransas County	GW	Mild Drought	Moderate Drought	Severe Drought		
MUD #1		Conditions	Conditions	Conditions		
(Aransas		(voluntary)	When demand on	When demand on		
County)		the District's water	the District's water	the District's water		
		supply reaches or	exceeds 90% of the	exceeds 100% of		
		exceeds 70% of the	production capacity	the production		
		production capacity	of such facilities for	capacity of such		
		of such facilities for	3 consecutive days.	facilities for 24		
		5 consecutive days.		hours.		
Blueberry Hills	GW	Customer	Voluntary Water	Mandatory Water	Critical Water Use	
(Bee County)		Awareness Every April 1st the	Overnight Recovery	Overnight Recovery	Overnight Recovery	
		utility will mail a	fails to restore 90%	fails to restore 85%	fails to restore 80%	
		public announce-	of full storage	of full storage	of full storage	
		ment to its	capacity.	capacity.	capacity.	
		customers.	Production or distri-	Production or distri-	Production or distri-	
Comerce Historie	0.47	Quete re-	pution limitations.	pution limitations.	pution limitations.	
Copano Heights Water Company	SW	Customer	voluntary Water	wandatory Water	Critical Water Use	
(Aransas		Every April 1st the	Pump Flow less	Pump Flow less	Pump Flow less	
County)		utility will mail a	than 180 gpm or	than 170 dpm or	than 160 dbm or	
		public announce-	Total Daily Demand	Total Daily Demand	Total Daily Demand	
		ment to its	as 60% of pumping	as 70% of pumping	as 80% of pumping	
		customers.	capacity	capacity	capacity	

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
Escondido	GW	Customer	Voluntary Water	Mandatory Water	Critical Water Use	
Creek Estates		Awareness	Conservation	Use Restrictions	Restrictions	
(Hidalgo County)		Every April 1st, the	Wholesale Supplier,	Wholesale Supplier,	Wholesale Supplier,	
		utility will mail a	City of Rockport,	City of Rockport,	City of Rockport,	
		public announce-	Implements Drought	Implements Drought	Implements Drought	
		ment to its	Stage II (see	Stage III (see	Stage IV (see	
		customers.	Rockport)	Rockport)	Rockport)	
McMullen	GW	Mild Water	Moderate Water	Severe Water	Critical Water	Emergency Water
County WCID #2		Shortage	Shortage	Shortage	Shortage	Shortage
(McMullen		Conditions	Conditions	Conditions	Conditions	Conditions
County)		(voluntary)	When total daily	When total daily	When total daily	Major line breaks, or
		When total daily	water demands	water demands	water demands	pump or system
		water demands	equals or exceeds	equals or exceeds	equals or exceeds	failures occur, which
		equals or exceeds	2 million gallons on	2 million gallons on	2 million gallons on	cause unprece-
		2 million gallons on	3 consecutive days	3 consecutive days	3 consecutive days	dented loss of
		3 consecutive days	or 2.2 million gallons	or 2.2 million gallons	or 2.2 million gallons	capacity to provide
		or 2.2 million gallons	on a single day	on a single day	on a single day	water service.
		on a single day.	and/or continually	and/or continually	and/or continually	Natural or man-made
			failing treated water	failing treated water	failing treated water	contamination of
			net refill above 00%	net refill above 20%	net refill above 75%	water supply
			not reill above 90%	not relifi above 60%	not relin above 75%	source(s).
	014/	Mild Conditions	Mederate	Overnight.	overnight.	
Baffin Bay WSC	300	Concumptions	Woderate	Severe Conditions		
(Rieberg County)		Consumption	Concumption	railure of major		
		Daily Max for 3 days	consumption			
		OR Supply is 20%	Daily Max for 3	nressure in system		
		areater than	davs	helow 20 nsi for at		
		average previous	OR	least a day		
		month consumption	Water level in any	OR Consumption of		
		OR Extended period	storage tank cannot	95% or more of the		
		of low rain and daily	be replenished for 3	maximum available		
		use has risen 20%	consecutive davs.	for 3 days OR		
		over same time last	,	Natural of man-		
		year.		made disaster, or		
				safety risk to public		
				ORDeclaration of a		
				state of disaster due		
				to drought		
				conditions in a		
				county		
				OR unforeseen		
				events which could		
				cause imminent		
				health or safety risks		
				to the public		

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
Water User Grou	ps					
City of Aransas	SW	Mild Water	Moderate Water	Severe Water	Critical Water	Emergency Water
Pass (Aransas		Shortage	Shortage	Shortage	Shortage Conditions	Shortage
County)		Conditions	Conditions	Conditions	Achieve a 35%	Conditions
		Achieve a voluntary	Achieve a 15%	Achieve a 25%	reduction in daily water	Achieve a 45%
		10% reduction in	reduction in daily	reduction in daily	demand.	reduction in daily
		daily water demand.	water demand.	water demand.	Additional restrictions	water demand.
		All customers will be	All City-owned	Continuation of	on irrigation of	Continuation of
		notified.	facilities and opera-	restrictions set forth	landscaped areas and	restrictions set forth
		Industrial customers,	tions will be placed	in previous conditions	use of water for	in previous
		wholesale customers,	on mandatory con-	and implementation	washing vehicles.	conditions and
		and certain commer-	servation practices.	of additional	The use of water for	implementation of
		cial customers will be	Restrictions on irri-	regulations and	any type of pool is	additional
		required to develop	gation of landscaped	prohibitions.	prohibited.	regulations and
		and submit individual	areas, vehicle wash-	Certain industrial and	No application for new,	prohibitions.
		Water rationing plans	ing, use of water for	commercial water	additional, expanded,	Irrigation of
		to the City.	pools, and ponds.	users, which are not	or increased-in-size	landscaped areas
		All operations of the	Prohibits: Wash	essential to the	water service	and use of water to
		City of Aransas Pass	down of hard-	health and safety of	connections, meters,	wash any vehicle is
		shall adhere to water	surfaced areas and	the community, will	service lines, pipeline	prohibited.
		use restrictions.	structures for	be prohibited from	extensions, mains, or	
			purposes other than	water usage.	water service facilities	
			immediate fire	Additional restrictions	of any kind shall be	
			protection; use of fire	on irrigation of	approved during this	
			hydrants for any	landscaped areas,	stage.	
			purpose other than	watering of golf		
			Tiretignting; use of	course, and use of		
			water for dust control;	water for construction		
			ilusning gutters;	purposes.		
			railure to repair			
			controllable leak(s).			

Table 7.8.Region N DCP Responses for Each Trigger Level

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
City of	SW/	Mild Water	Moderate Water	Sovoro Wator	Critical Water	Emergency Water
Rockport	011	Shortage	Shortage	Shortage	Shortage Conditions	Shortage
(Aransas		Conditions	Conditions	Conditions	Achieve a 30%	Conditions
County)		Achieve a voluntary	Achieve a 10%	Achieve a 15%	reduction in daily water	Achieve a 50%
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		5% reduction in daily	reduction in daily	reduction in daily	demand	reduction in daily
		water demand.	water demand.	water demand.	Landscaped watering	water demand.
		All customers are	Use more repair	Eliminate Main	prohibited at all times	Continuation of
		requested to limit	crews for quicker	Flushing unless	The use of water for	restrictions set forth
		landscape irrigation	response for water	needed for safety.	any type of pool or	in previous
		to once per week.	line leak repair.	Review customer	vehicle is prohibited.	conditions and
		Customers are	City crews monitor	water usage.	Upon written notice cut	implementation of
		requested to practice	compliance with	Continuation of	off willful violators.	
		water conservation	stage 2 restrictions	restrictions set forth		regulations and
		discontinue use for	Restrictions on	and implementation		Call 10 Jargest
		non-essential	irrigation (Once per	of additional regula-		users and spread
		purposes)	week) of landscaped	tions and		message of major
		All operations of the	areas, vehicle wash-	prohibitions.		outage.
		City of the city will	ing, use of water for	Irrigation limited to		Business process
		adhere to water use	pools, and ponds.	once every other		discretionary
		restrictions.	Prohibits: Wash	week.		practices are
			down of hard-	Additional restrictions		prohibited.
			surfaced areas and	on irrigation of		
			structures for	landscaped areas,		
			purposes other than	watering of golf		
			immediate fire	course, and use of		
			protection; use of fire	water for construction		
			nyuranis ior any	purposes.		
			firefighting: use of			
			water for dust control:			
			flushing autters:			
			failure to repair			
			controllable leak(s).			
City of Three	SW	Mild Water	Moderate Water	Severe Water	Critical Water	Emergency Water
Rivers (Live		Shortage	Shortage	Shortage	Shortage Conditions	Shortage
Oak County)		Conditions	Conditions	Conditions	Achieve a 30%	Conditions
		Achieve a 5%	Achieve a 10%	Achieve a 15%	reduction in water use.	Achieve necessary
		reduction in water	reduction in water	reduction in water	Formal public notice of	water use
		USE.	USE.	USE.	drought stage 4; notify	reduction.
		of drought stage 1:	of drought stage 2:	of drought stage 3:	ICEQ.	state emergency
		notify TCEO	notify TCEO	notify TCEO	enforcement of water	management
		Initiate increased	Increase utility	Increase utility	use restrictions	coordinators: notify
		public information	oversight of water	enforcement of water	Retail customers	TCFQ.
		campaign.	use restrictions.	use restrictions.	requested to follow	Implementation of
		Retail customers	Retail customers	Retail customers	stage 3 watering	appropriate
		requested to follow	requested to follow	requested to follow	schedule.	emergency
		stage 1 watering	stage 2 watering	stage 3 watering	No watering.	procedures.
		schedule.	schedule.	schedule.	Consider surcharges	Consideration of
		Increase leak	Increase utility	Increase utility	for excessive use.	water purchases by
		detection activities.	oversight of water	enforcement of water		truckload or in
			waste.	waste.		bottles.

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
City of Beeville (Bee County)	SW	<i>Mild Water Short- age Possibility</i> Target limit of total treated water to less than 4.5 MGD. Water customers are requested to volun- tarily reduce water use.	Moderate Water Shortage Warning Target limit of total treated water to less than 3.5 MGD. Reduce water use for foundations, washing automobiles, prohibit building washings, restrict use of potable water to irrigate golf courses	Severe Water Short- age Conditions Target limit of total treated water to less than 3 MGD. Reduce water use for foundations, washing automobiles, prohibit building washings, establish maximum monthly use for residential customers	Critical Water Shortage Target limit of total treated water to less than 2.5 MGD. Reduce water use for foundations, washing automobiles, prohibit building washings, establish maximum monthly use for residential customers	<i>Emergency Water</i> All non-essential water uses must cease in accor- dance with the Corpus Christi DCP. All customers will be notified.
Pettus MUD (Bee County)	GW	<i>Mild Water</i> <i>Shortage</i> <i>Conditions</i> All customers will be notified and asked to limit non-essential use. Raise Public Awareness	Moderate Water Shortage Conditions Initiate mandatory restrictions on non- essential use (lawn watering etc.)	Severe Water Shortage Conditions Additional restrictions on irrigation of landscaped areas, watering of golf course, and use of water for construction purposes. Initiate water surcharge	Critical Water Shortage Conditions Initiate enforcement, fees, fines, and surcharges	Emergency Conditions Initiate emergency response conditions
Falfurrias (Brooks County)	GW	Mild Water Shortage Conditions Achieve a voluntary 30% reduction in total water use or daily water demand. Water customers are requested to volun- tarily limit the irriga- tion of landscaped areas to once per week and are requested to practice water conservation and to minimize or discontinue non- essential water use. No flushing of fire hydrants or hydrant testing at this time. City to adhere to Stage 2 water user restrictions.	Moderate Water Shortage Conditions Achieve a 40% reduction in total water use or daily water demand. Restrictions on irri- gation of landscaped areas, vehicle wash- ing, use of water for hydrants pools, and ponds. Prohibits: Wash down of hard- surfaced areas and structures for purposes other than immediate fire protection; use of water for dust control; flushing gutters; failure to repair controllable leak(s); serving water to patrons at restaurants except when requested. No flushing of fire hydrants or flushing of dead end mains. Reduce irrigation of all public landscaped areas	Severe Water Shortage Conditions Achieve a 50% reduction in total water use or daily water demand Phase 2 restrictions and Prohibitions. Use of water for construction purposes to be discontinued. Prohibited: irrigation, watering of golf courses, pool use, vehicle washing construction and hydrant use under special permit	Critical Water Shortage Conditions Achieve a 60% reduction in total water use or daily water demand All Phase 2 and 3 restrictions and Prohibitions. Prohibits: Irrigation of landscaped areas with hose end sprinkler or automatic sprinkler system, use of water to wash any vehicle, use of water for any type of pool. No application for new, additional, expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains, or water service facilities of any kind shall be approved during this stage.	Emergency Water Shortage Conditions All Phase 2, 3, and 4 restrictions and Prohibitions. Irrigation of landscaped areas and use of water to wash motor vehicle, boat, trailers, or other vehicles is absolutely prohibited.

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
	CW/	Mild Wator	Modorato Wator	Critical Wator	Emorgoncy Water	
(Duval County)		Shortago	Shortago	Shortago	Shortage Conditions	
(Duval County)		Conditions	Conditions	Conditions	Achieve a 50%	
		Achieve a voluntary	Achieve a 30%	Achieve a 40%	reduction in total water	
		25% reduction in total	reduction in total	reduction in total		
		water use	water use	water use	Prohibite: Irrigation of	
		All customors will be	Postrictions on	Additional restrictions	landscaped areas use	
		notified and acked to	irrigation of	on irrigation of	of water to wash any	
		limit non occontial	Ingalion of	landaganad araga	vehicle use of water	
			vohicle weshing and	watering of golf	for any type of pool	
		Destricted use of	venicle washing, and	watering of you	No application for now	
		water for ernamental		water for construction	additional expanded	
		fountaine or pondo	Prohibita: Wash		adultional, expanded,	
		All operations of	down of bord	purposes.	or increased-in-size	
			uuwii ui naiu-			
		rieer W.C.I.D.	surfaceu areas anu			
		aunere to water use	structures for		service lines, pipeline	
		restrictions pre-	purposes other than		extensions, mains, or	
		scribed for Stage II of			of any kind aball ba	
		the plan.	protection; use of fire		or any kind shall be	
			nydrants for any		approved during this	
			purpose other than		stage.	
			lirelignung; use of			
			water for dust control;			
			flushing gutters;			
			failure to repair			
			controllable leak(s).	• • • • •		
San Diego MUD	GW	Mild Water	Moderate Water	Severe Water	Mild Water Shortage	
#1 (Duval		Shortage	Shortage	Shortage	Conditions	
County)		Conditions	Conditions	Conditions	Water use may be	
		Customers requested	Achieve a reduction	Achieve an appro-	rationed	
		to voluntarily limit	in daily water use.	priate reduction in		
		irrigation to twice a	Restrictions on irri-	daily water use.		
		week at night. And to	gation of landscaped	Phase 2 restrictions		
		discontinue or mini-	areas, vehicle wash-	and Prohibitions.		
		mize non-essential	ing, use of water for	Prohibited: irrigation,		
		use. All operations of	hydrants pools, and	pool use, vehicle		
		the City shall adhere	ponds. Prohibits:	washing construction		
		to water use	Wash down of hard-	and hydrant use		
		restrictions	surfaced areas and	under special permit		
		prescribed.	structures for			
			purposes other than			
			Immediate fire			
			protection; use of			
			water for dust control;			
			flushing gutters;			
			failure to repair			
			controllable leak(s).			

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
City of Alice	SW	Mild Water	Moderate Water	Severe Water	Emergency Water	Water Allocation
(Jim Wells		Shortage	Shortage Conditions	Shortage	Shortage Conditions	Achieve a 45%
County)		Conditions	Achieve a 15%	Conditions	Reduce water use to	reduction in daily
		Achieve a voluntary	reduction in total	Achieve a 20%	less than 25% of the	water demand.
		10% reduction in total	water use, daily water	reduction in daily	City's maximum daily	Water is allocated
		water use, daily	demand.	water demand.	supply capacity.	according to the
		water demand.	Wholesale water	Wholesale water	Utility directors of each	water allocation
		Weekly reports are	customers are	customers are	wholesale water	plan.
		provided to the news	contacted weekly	contacted to discuss	customer are	
		media.	requested to imple-	conditions and to	contacted.	
		Wholesale water	ment mandatory	request additional	Additional restrictions	
		customers are	measures.	mandatory	on irrigation of	
		contacted to discuss	Restrictions on irriga-	measures.	landscaped areas and	
		conditions and to	tion of landscaped	Continuation of	water use for fountains	
		request voluntary	areas, vehicle wash-	restrictions set forth	or ponds.	
		measures.	ing, use of water for	in previous conditions	The use of water to	
		Customers requested	pools, and ponds.	and implementation	wash any vehicle or for	
		to voluntarily limit	Prohibits: Wash	of additional	any type of pool is	
		irrigation to twice a	down of hard-	regulations and	prohibited.	
		week. And to discon-	surfaced areas and	prohibitions.	Applications for new,	
		tinue or minimize	structures for	Additional restrictions	additional, expanded,	
		non- essential use.	purposes other than	on irrigation of land-	or increased-in-size	
		Flushing of water	immediate fire	scaped areas,	water service	
		mains and watering	protection; use of fire	watering of golf	connections, meters,	
		of parks facilities is	hydrants for any	course, and use of	service lines, pipeline	
		reduced. Alternative	purpose other than	water for construction	extensions, mains, or	
		water sources are	firefighting; use of	purposes.	water service facilities	
		investigated.	water for dust control;	Pro Rata curtailment	of any kind shall	
		City operations shall	flushing gutters; fail-	of water diversions	require approval.	
		adhere to Stage 2	ure to repair control-	and/or deliveries for		
		water use	lable leak(s). Serving	retail customers is		
		restrictions.	water to patrons	initiated.		
			unless requested.			

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
City of Orange	GW	Mild Water	Moderate Water	Severe Water	Critical Water	Emergency Water
Grove		Shortage	Shortage Conditions	Shortage	Shortage Conditions	Shortage
(Jim Wells		Conditions	Achieve a 20%	Conditions	Achieve a 40%	Conditions
County)		Achieve a voluntary	reduction in total	Achieve a 30%	reduction in total water	Achieve a 40%
		10% reduction in total	water use.	reduction in total	use.	reduction in total
		water use.	Restrictions on irri-	water use.	Prohibits: Irrigation of	water use.
		All customers will be	gation of landscaped	Additional restrictions	landscaped areas, use	Prohibits: Irrigation
		notified.	areas, vehicle	on irrigation of	of water to wash any	and vehicle
		Restricted use of	washing, and use of	landscaped areas,	vehicle, use of water	washing.
		water for ornamental	water for pools.	watering of golf	for any type of pool.	
		fountains or ponds.	All restaurants are	course, and use of	Further Restrictions:	
		All operations of the	prohibited from	water for construction	Irrigation of	
		City shall adhere to	serving water to	purposes.	landscaped areas, use	
		water use restrictions	patrons except upon		of water to wash any	
		prescribed for	request of the patron.		vehicle,	
		Stage II of the plan.	Prohibits: Wash		No application for new,	
		Customers requested	down of hard-		additional, expanded,	
		to practice	surfaced areas and		or increased-in-size	
		conservation and	structures for		water service	
		minimize non-	purposes other than		connections, meters,	
		essential use	immediate fire		service lines, pipeline	
			protection; use of fire		extensions, mains, or	
			hydrants for any		water service facilities	
			purpose other than		of any kind shall be	
			firefighting; use of		approved during this	
			water for dust control;		stage.	
			Tiusning gutters;			
			railure to repair			
			controllable leak(s).			
			Residurants cannot			
			provide water unless			
			requested.			

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
City of	GW	Mild Water	Moderate Water	Severe Water	Emergency Water	Water Allocation
Kingsville		Shortage	Shortage	Shortage	Shortage Conditions	The City Manager
(Kleberg		Conditions	Conditions	Conditions	Achieve a 35%	is authorized to
County)		Achieve a voluntary	Achieve a 15%	Achieve a 25%	reduction in total water	allocate water
		10% reduction in total	reduction in total	reduction in total	use.	according to the
		water use.	water use.	water use.	Prohibits: Irrigation of	water allocation
		All customers will be	Restrictions on irri-	Additional restrictions	landscaped areas, use	plan.
		notified.	gation of landscaped	on irrigation of	of water to wash any	
		Restricted use of	areas, vehicle	landscaped areas,	vehicle, use of water	
		water for ornamental	washing, and use of	watering of golf	for any type of pool.	
		fountains or ponds.	water for pools.	course, and use of	No application for new,	
		All operations of the	All restaurants are	water for construction	additional, expanded,	
		City shall adhere to	prohibited from	purposes.	or increased-in-size	
		water use restrictions	serving water to		water service	
		prescribed for Stage	patrons except upon		connections, meters,	
		II of the plan.	request of the patron.		service lines, pipeline	
		Restricted flushing of	Prohibits: Wash		extensions, mains, or	
		water mains.	down of hard-		water service facilities	
		Meetings are	surfaced areas and		of any kind shall be	
		schedules with large	structures for		approved during this	
		industrial and	purposes other than		stage.	
		commercial water	immediate fire			
		users to exchange	protection; use of fire			
		information regarding	hydrants for any			
		methods of saving	purpose other than			
		water.	firefighting; use of			
			water for dust control;			
			flushing gutters;			
			failure to repair			
			controllable leak(s).			

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
Ricardo WSC	SW	Mild Water	Severe Water	Critical Water	Emergency Water	
(Kleberg		Shortage	Shortage	Shortage	Shortage Conditions	
County)		Conditions	Conditions	Conditions	Achieve a voluntary	
		Achieve a voluntary	Achieve a 15%	Achieve a 30%	50% reduction in daily	
		10% reduction in	reduction in daily	reduction in daily	water demand.	
		daily water demand.	water demand.	water demand.	Contact the largest ten	
		All customers will be	Additional restrictions	May prohibit irrigation	water customers	
		notified.	on irrigation of	of landscaped areas.	affected	
		Restrictions on	landscaped areas	Additional restrictions	Prohibits: Irrigation of	
		irrigation of	and limits use of	on vehicle washing,	landscaped areas, use	
		landscaped areas.	water from hydrants.	use of water for	of water to wash any	
				pools, and use of	vehicle, and	
				water for building	associated uses of	
				integrity. Water rate	water not related to	
				surcharges are	business processes	
				implemented for retail	which are	
				and wholesale	discretionary.	
				customers. Water	Water rate surcharges	
				rate surcharges may	may be implemented	
				be implemented for	for residential	
				residential customers.	customers.	
				Upon written notice		
				cut off willful violators.		
				Applications for new,		
				additional, expanded,		
				or increased-in-size		
				water service		
				connections, meters,		
				service lines, pipeline		
				extensions, mains, or		
				water service		
				facilities of any kind		
				may not be approved		
				during this stage.		
Riviera	GW	Customer	Voluntary Water	Mandatory Water	Critical Water	
(Kleberg		Awareness	Conservation	Conservation	Conservation	
County)		Water customers	Restricted	Further restrictions	Prohibited: all outdoor	
		requested to limit	days/hours for	on days/hours for	water use, vehicle	
		non- essential use	outside watering	outside watering,	washing.	
			Restriction on	vehicle washing, pool		
			wasting water (gutter	filling, hydrant use.		
			flushing etc.)	Prohibited: wash		
				down of hard		
				surfaces, dust con-		
				trol, gutter flushing,		
				other water wasting.		

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
Water Systems El Oso WSC (Service area includes 500 square miles located in Karnes, Bee, Wilson, and Live Oak Counties)	GW) GW	(Voluntary) <i>Mild Water</i> <i>Shortage</i> <i>Conditions</i> <i>Achieve a voluntary</i> <i>20% reduction in total</i> <i>water use.</i> All customers will be notified. All operations of the corporation shall adhere to water use restrictions prescribed for Stage II of the plan.	Stage II Moderate Water Shortage Conditions Achieve a 30% reduction in total water use. Restrictions on irri- gation of landscaped areas, vehicle washing, and use of water for pools, ornamental fountains, or ponds. All restaurants are prohibited from serving water to patrons except upon request of the patron. Prohibits: Wash down of hard- surfaced areas other than for immediate fire protection; use of fire hydrants for any purpose other than firefighting; use of water for dust control; flushing gutters;	Stage III Severe Water Shortage Conditions Achieve a 40% reduction in total water use. Additional restrictions on irrigation of landscaped areas, watering of golf course, and use of water for construction purposes.	(If applicable) Critical Water Shortage Conditions Achieve a 50% reduction in total water use. Prohibits: Irrigation of landscaped areas, use of water to wash any vehicle, use of water for any type of pool. No application for new, additional, expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains, or water service facilities of any kind shall be approved during this stage.	Stage V Emergency Water Shortage Conditions Achieve a 60% reduction in total water use. Prohibits: Irrigation of landscaped areas and use of water to wash any vehicle.
Old Marbach School WSC (Live Oak County)	GW	<i>Customer</i> <i>Awareness</i> Every year utility will mail a public announcement to customers April 30- ends September 30	controllable leak(s). Voluntary Water Conservation Triggering events have ceased to exist for three consecutive days, visually inspect lines and repair links on daily basis, monthly review of customer use records and follow-up on any that have unusually high usage	Mandatory Water Use Restrictions Triggering events have ceased to exist for three consecutive days, visually inspect lines and repair links on a regular basis, flushing is prohibited except for dead end mains	Critical Water Use Restrictions Triggering events have ceased to exist for three consecutive days, visually inspect lines and repair links on a regular basis, flushing is prohibited except for dead end mains and only between 9 PM and 3 AM, emergency interconnects of alternative supply arranagements shall be initiated, all meters read as often as necessary to ensure compliance	

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
McCoy WSC	GW	Mild Water	Moderate Water	Severe Water	Critical Water	Emergency Water
(Service area		Shortage	Shortage	Shortage	Shortage Conditions	Shortage
includes 608		Conditions	Conditions	Conditions	Achieve a 50%	Conditions
square miles		Achieve a voluntary	Achieve a 30%	Achieve a 40%	reduction in total water	Achieve a 60%
located in		20% reduction in total	reduction in total	reduction in total	use.	reduction in total
Atascosa,		water use.	water use.	water use.	Prohibits: Irrigation of	water use.
Wilson, and Live		All customers will be	Restrictions on irri-	Additional restrictions	landscaped areas, use	Continuation of
Oak Counties)		notified.	gation of landscaped	on irrigation of	of water to wash any	restrictions set forth
		All operations of the	areas, vehicle	landscaped areas,	vehicle, use of water	in previous
		corporation shall	washing, and use of	watering of golf	for any type of pool.	conditions and
		adhere to water use	water for pools,	course, and use of	No application for new,	implementation of
		restrictions pre-	ornamental fountains,	water for construction	additional, expanded,	additional
		scribed for Stage II of	or ponds.	purposes.	or increased-in-size	regulations and
		the plan.	All restaurants are		water service	prohibitions.
			prohibited from		connections, meters,	Prohibits: Irrigation
			serving water to		service lines, pipeline	of landscaped
			patrons except upon		extensions, mains, or	areas and use of
			request of the patron.		water service facilities	water to wash any
			Pronibits: Wash		of any kind shall be	venicie.
			down of hard-		approved during this	
			surfaced areas other		stage.	
			fire protection; use of			
			fire hydrants for			
			purposes other than			
			inengnung; use of			
			water for dust control;			
			foilure te repeir			
			controlloble look(c)			
		1	controllable leak(s).			

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
Nueces WSC (Nueces County)	SW	Mild Water Shortage Conditions Achieve a voluntary 10% reduction in daily water demand. All customers will be notified. Restrictions on irrigation of landscaped areas.	Severe Water Shortage Conditions Achieve a 15% reduction in daily water demand. Additional restrictions on irrigation of landscaped areas and limits use of water from hydrants.	Critical Water Shortage Conditions Achieve a 30% reduction in daily water demand. May prohibit irrigation of landscaped areas. Additional restrictions on vehicle washing, use of water for pools, and use of water for building integrity. Water rate surcharges are implemented for retail and wholesale customers. Water rate surcharges may be implemented for residential customers. Upon written notice cut off willful violators. Applications for new, additional, expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains, or water service facilities of any kind may not be approved during this stage	Emergency Water Shortage Conditions Achieve a voluntary 50% reduction in daily water demand. Contact the largest ten water customers affected Prohibits: Irrigation of landscaped areas, use of water to wash any vehicle, and associated uses of water not related to business processes which are discretionary. Water rate surcharges may be implemented for residential customers.	
River Acres WSC (Nueces County)	SW	Water Shortage Possibility Restrictions on irrigation of landscaped areas.	Water Shortage Watch Additional restrictions on irrigation of landscaped areas, vehicle washing, and use of water for pools, ornamental fountains, or ponds, and wash down of buildings and structures. Prohibits: Wash down of hard- surfaced areas other than for immediate fire protection; use of fire hydrants for any purpose other than firefighting; use of water for dust control; flushing gutters; failure to repair controllable leak(s).	Water Shortage Warning Additional restrictions on irrigation of landscaped areas and new service connections to the City's water system. Mandatory water use limits go into effect. All restaurants are prohibited from serving water to patrons except upon request of the patron. The use of water for any type of pool is prohibited.	Water Shortage Emergency Water allocations to commercial and industrial customers are established. Maximum monthly water use and revised rate schedules established for resi- dential customers. No outside water use Any application for new, additional, expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains, or water service facilities of any kind shall be must be approved.	

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
City of Odem	SW	Mild Water	Moderate Water	Severe Water	Critical Water	Emergency Water
(San Patricio	0	Shortage	Shortage	Shortage	Shortage Conditions	Shortage
County)		Conditions	Conditions	Conditions	All customers will be	Conditions
county,		All customers will be	All customers will be	All customers will be	notified	All customers will
		notified.	notified.	notified.	Prohibits irrigation of	be notified.
		Water customers will	Additional restrictions	Additional restrictions	landscaped areas.	Prohibits irrigation
		be requested to	on irrigation of	on landscape irriga-	Additional restrictions	of landscaped
		voluntarily limit	landscaped areas,	tion and commercial	on the use of water for	areas and use of
		landscape irrigation	vehicle washing, use	nursery facilities.	new agricultural land,	water to wash any
		to once a week.	of water to maintain	All restaurants are	to wash any vehicle,	vehicle.
		Commercial	buildings, and use of	prohibited from	for building integrity, or	
		customers will be	water for pools,	serving water to	for any type of pool.	
		requested to volun-	fountains, hydrants or	patrons except upon	Drought surcharges	
		tarily reduce use.	ponds.	request of the patron.	are applied to deter	
		Reduced watering of	Prohibits: Wash	Mandatory water use	discretionary water	
		public parks and	down of hard-	limits go into effect.	use.	
		facilities.	surfaced areas and			
			structures for			
			purposes other than			
			Immediate lire			
			bydrants for any			
			nurnose other than			
			firefighting: use of			
			water for dust control.			
			flushing autters.			
City of	SW	Water Shortage	Water Shortage	Water Shortage	Water Shortage	
Ingleside		Possibility	Watch	Warning	Emergency	
(San Patricio		All municipal	Additional restrictions	Additional restrictions	Water allocations to	
County)		operations are placed	on irrigation of	on irrigation and new	commercial and	
-		on mandatory	landscaped areas,	service connections	industrial customers	
		conservation.	vehicle washing, and	to the City's water	are established.	
		Restrictions on	use of water for	system.	Maximum monthly	
		irrigation of	pools, ornamental	Mandatory water use	water use and revised	
		landscaped areas.	fountains, or ponds,	limits go into effect.	rate schedules	
			and wash down of	All restaurants are	established for resi-	
			buildings and	prohibited from	dential customers.	
			Structures.	serving water to	Any application for	
			down of bord	request of the patron	new, additional,	
			surfaced areas: use	The use of water for	increased in size water	
			of fire hydrants for	any type of pool is	service connections	
			any purpose other	prohibited	meters service lines	
			than firefighting: use	promotou.	pipeline extensions.	
			of water for dust		mains, or water service	
			control; flushing		facilities of any kind	
			gutters; failure to		must be approved.	
			repair defective			
			plumbing and			
			controllable leak(s).			

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
City of Taft	SW	Mild Water	Moderate Water	Severe Water	Critical Water	Emergency Water
(San Patricio		Shortage	Shortage	Shortage	Shortage Conditions	Shortage
County)		Conditions	Conditions	Conditions	Achieve a voluntary	Conditions
		Achieve a voluntary	Achieve a voluntary	Achieve a voluntary	30% reduction in total	Achieve a voluntary
		5% reduction in total	10% reduction in total	15% reduction in total	water use.	30% reduction in
		water use.	water use.	water use.	Additional restrictions	total water use.
		All customers will be	Restrictions on irri-	Continuation of	on irrigation of	Continuation of
		notified.	gation of landscaped	restrictions set forth	landscaped areas and	restrictions set forth
		All operations of the	areas, vehicle wash-	in previous conditions	use of water for	in previous
		City shall adhere to	ing, and use of water	and implementation	washing vehicles.	conditions and
		water use restrictions	for pools, ornamental	of additional	The use of hose-end	implementation of
		prescribed for Stage	fountains, or ponds,	regulations and	sprinklers and water	additional
		II of the plan.	and wash down of	prohibitions.	for any type of pool is	regulations and
			buildings and	Additional restrictions	prohibited.	prohibitions.
			structures.	on irrigation of	No application for new,	Prohibits: Irrigation
			All restaurants are	landscaped areas,	additional, expanded,	of landscaped
			prohibited from serv-	watering of golf	or increased-in-size	areas and use of
			ing water to patrons	course, and use of	water service	water to wash any
			except upon request	water for construction	connections, meters,	vehicle.
			of the patron.	purposes.	service lines, pipeline	
			Prohibits: Wash		extensions, mains, or	
			down of hard-		water service facilities	
			surfaced areas other		of any kind shall be	
			than for immediate		approved during this	
			fire protection; use of		stage.	
			fire hydrants for any			
			purpose other than			
			tiretighting; use of			
			water for dust control;			
			flushing gutters;			
			failure to repair			
			controllable leak(s).			

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
City of Portland	SW	Mild Water	Moderate Water	Critical Water	Critical Water	Emergency Water
(San Patricio		Shortage	Shortage	Shortage	Shortage Conditions	Shortage
County)		Conditions	Conditions	Conditions	N/A	Conditions
		Achieve a 10%	Achieve a 20%	Achieve a 30%		Achieve a 50%
		reduction in daily	reduction in daily	reduction in daily		reduction in daily
		water demand.	water demand.	water demand.		water demand.
		Minimize or	More repair crews	Water meters of		Prohibits: Irrigation
		discontinue water	may be used for	willful violators are		of landscaped
		system flushing and	quicker response to	disconnected as		areas and use of
		utilize reclaimed	water-line leaks.	necessary to prevent		water to wash any
		water for non-potable	Water customers are	wasting of water.		vehicle.
		uses to the greatest	monitored for	Prohibits irrigation of		Business process
		extent possible.	compliance.	landscaped areas.		water shall be
		Water customers will	Additional restrictions	Additional restrictions		reduced to a basic
		be requested to	on irrigation of	on the use of water to		amount necessary.
		voluntarily limit	landscaped areas,	wash any vehicle or		
		landscape irrigation	vehicle washing, use	for any type of pool.		
		to once a week.	of water to maintain			
		Water customers will	buildings, and use of			
		be requested to limit	water for pools,			
		or discontinue non-	fountains, hydrants or			
		essential use.	ponds.			
			Prohibits: Wash			
			down of hard-			
			surfaced areas and			
			structures for			
			purposes other than			
			immediate fire			
			protection; use of fire			
			nyorants for any			
			purpose other than			
			inrelighting; use of			
			water for dust control;			
			tiusning gutters.			

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
Rincon WSC (San Patricio County)	SW	Water Watch Achieve a 10% reduction in total water use. All customers will be notified. Disseminate water conservation information to retail customers. Minimize water system flushing and system water-waste. Intensify efforts of the Leak Detection and Repair Program.	Water Alert Achieve a 11% to 20% reduction in total water use. Additional restrictions on irrigation of land- scaped areas, and ornamental ponds. Establish mandatory water consumption restrictions. All water taken from flush valves, other than for flushing purposes shall be metered, and the Corporation shall charge for this water in accordance with the current rate schedule. Prohibits: Wash down of hard- surfaced areas; and water to run or accumulate in any gutter or streat	Water Warning Achieve a 21% to 35% reduction in total water use. Additional landscape irrigation restrictions. Except when empty, all swimming pools shall be covered when not in use. Restricted use of water to wash any vehicle.	Water Emergency Achieve a 36% or greater reduction in total water use. Prohibition of all non- essential water use, unless necessary for the preservation of health and safety and welfare. Water usage for livestock is exempt.	
County-Other Fr	ntities		guiler of sileet.			
Aransas	GW	Mild Drought	Moderate Drought	Severe Drought		
County MUD #1	•	Conditions	Conditions	Conditions		
(Aransas County)		(voluntary) Target Reduction in Well Run Time = 5% All customers will be notified. Restricted landscape irrigation.	Target Reduction in Well Run Time = 10% All outdoor water use must be conducted with a hand-held hose with a manual on-off nozzle. Restricted street washing, fire hydrant flushing, and filling of swimming pools.	Target Reduction in Well Run Time = 15% All outdoor water use is prohibited. A surcharge equal to 200% of the appli- cable rate for all water used in excess of 10,000 gallons/ month shall be imposed on all customers.		
(Bee County)	GW	Awareness Water customers requested to limit non- essential use	<i>Conservation</i> <i>Achieve 25%</i> <i>reduction in total use</i> Restricted days/hours for outside watering Restriction on wasting water (gutter flushing etc.)	<i>Wandatory Water</i> <i>Conservation</i> <i>Achieve 40%</i> <i>reduction in total use</i> Further restrictions on days/hours for outside watering, vehicle washing, pool filling, hydrant use. Prohibited: wash down of hard sur- faces, dust control, gutter flushing, other water wasting.	Conservation Achieve 55% reduction in total use Prohibited: all outdoor water use, vehicle washing.	

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
Copano Heights Water Company (Aransas County)	SW	Customer Awareness Water customers requested to limit non- essential use and voluntary limit the irrigation of landscaped areas to once per week	Voluntary Water Conservation Achieve 10% reduction in total use Restricted days/hours for outside watering Restriction on wasting water (gutter flushing etc.)	Mandatory Water Conservation Achieve 15% reduction in total use Further restrictions on days/hours for outside watering, vehicle washing, pool filling, hydrant use. Prohibited: wash down of hard sur- faces, dust control, gutter flushing, other water wasting.	Critical Water Conservation Achieve 30% reduction in total use Prohibited: all outdoor water use, vehicle washing.	
Escondido Creek Estates (Hidalgo County)	GW	<i>Customer</i> <i>Awareness</i> Water customers requested to limit non- essential use	Voluntary Water Conservation Restricted days/hours for outside watering Restriction on wasting water (gutter flushing etc.)	Mandatory Water Conservation Further restrictions on days/hours for outside watering, vehicle washing, pool filling, hydrant use. Prohibited: wash down of hard sur- faces, dust control, gutter flushing, other water wasting.	Critical Water Conservation Prohibited: all outdoor water use, vehicle washing.	
McMullen County WCID #2 (McMullen County)	GW	Mild Water Shortage Conditions Achieve a voluntary 10% reduction in total water use. All customers will be notified and asked to limit non-essential use Restricted use of water for ornamental fountains or ponds. All operations of Freer WCID adhere to water use restric- tions prescribed for Stage II of the plan.	Moderate Water Shortage Conditions Achieve a 25% reduction in total water use. Restrictions on irrigation of landscaped areas, vehicle washing, and use of water for pools. All restaurants are prohibited from serving water to patrons except upon request of the patron. Prohibits: Wash down of hard- surfaced areas and structures for purposes other than immediate fire protection; use of fire hydrants for any purpose other than firefighting; use of water for dust control; flushing gutters; failure to repair controllable leak(s).	Critical Water Shortage Conditions Achieve a 50% reduction in total water use. Additional restrictions on irrigation of landscaped areas, watering of golf course, and use of water for construction purposes. No application for new, additional, expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains, or water service facilities of any kind shall be approved during this stage.	Emergency Water Shortage Conditions Achieve a 75% reduction in total water use. Prohibits: Irrigation of landscaped areas, use of water to wash any vehicle, use of water for any type of pool.	

Water Systems	(SW/ GW)	Stage I (Voluntary)	Stage II	Stage III	Stage IV (If applicable)	Stage V
Baffin Bay WSC	SW	<i>Mild Conditions</i> Outside water use restrictions, reduced	<i>Moderate</i> <i>Conditions</i> Prohibited outside	Severe Conditions All outside watering prohibited. Use will		
		flushing operations, encouraged customer use reduction	water use, public service announce- ments	be restricted to a percentage of previous months use. WSC shall continue enforcement and educational efforts.		

Note: Stages 2- 5 for all drought contingency plans include continuation of restrictions set forth in previous conditions and implementation of additional regulations and prohibitions.

					Implem	equirements			
Water User Group	County	2020 Population	Local Groundwater Well	Brackish Groundwater Well	Truck in Water	Supply from Nearby Entity	Known Existing Interconnect	Potential Entity Providing Supply	Type of Infrastructure Required
ARANSAS PASS	ARANSAS	9,416	х		х				Well, Pipeline, Transportation
BAFFIN BAY WSC	KLEBERG	735			Х	Х			Pipeline, Transportation
BENAVIDES	DUVAL	1,470			х	х		Alice	Pipeline, Transportation
BISHOP	NUECES	3,160	х	х	Х	Х	STWA	7 4100	Well, Pipeline, Transportation
BROOKS COUNTY- OTHER	BROOKS	1,765			х				Transportation
CORPUS CHRISTI NAVAL AIR STATION	NUECES	1,320	x	х	х				Well, Pipeline, Transportation
DRISCOLL	NUECES	621	х	х	х				Well, Pipeline, Transportation
DUVAL COUNTY CRD	DUVAL	1,271			Х	Х			Pipeline, Transportation
DUVAL COUNTY- OTHER	DUVAL	3,771			х				Transportation
EL OSO WSC	LIVE OAK	1,047			х	х		Karnes City	Pipeline, Transportation
FALFURRIAS	BROOKS	4,443			х	х		Alice or Premont	Pipeline, Transportation
FREER WCID	DUVAL	2,417			х	х		#N/A	Pipeline, Transportation
GEORGE WEST	LIVE OAK	1,888			х	х		Three Rivers	Pipeline, Transportation
GREGORY	SAN PATRICIO	1,714	х		х				Well, Pipeline, Transportation
INGLESIDE	SAN PATRICIO	9,402			х	х		SPMWD	Pipeline, Transportation
INGLESIDE ON THE BAY	SAN PATRICIO	653			х	Х		SPMWD	Pipeline, Transportation

Draft Table 7.9. Potential Emergency Supply Options for Small WUGs

#### Draft Table 7.9. Potential Emergency Supply Options for Small WUGs (cont.)

Entity					Implementation Requirements				
Water User Group	County	2020 Population	Local Groundwater Well	Brackish Groundwater Well	Truck in Water	Supply from Nearby Entity	Known Existing Interconnect	Potential Entity Providing Supply	Type of Infrastructure Required
JIM WELLS COUNTY FWSD 1	JIM WELLS	1,678			х	х			Pipeline, Transportation
KENEDY COUNTY- OTHER	KENEDY	463			х				Transportation
KLEBERG COUNTY- OTHER	KLEBERG	3,568			х	х	Ricardo WSC		Pipeline, Transportation
LIVE OAK COUNTY- OTHER	LIVE OAK	6,499	x		х				Well, Pipeline, Transportation
MATHIS	SAN PATRICIO	4,333	x		x	x		Interconn ection to Mary Rhodes Pipeline Supplies through Corpus Christi	Well, Pipeline, Transportation
MCCOY WSC	LIVE OAK	172			х	х		Three Rivers	Pipeline, Transportation
MCMULLEN COUNTY- OTHER	MCMULLEN	734			х				Transportation
NAVAL AIR STATION KINGSVILLE	KLEBERG	52			х	х		Ricardo WSC	Pipeline, Transportation
NUECES COUNTY WCID 4	NUECES	2,631		x	х	х	SPMWD, Corpus Christi		Pipeline, Transportation
NUECES WSC	NUECES	5,805		x	x	x	Nueces County WCID # 3	Nueces County WCID # 3	Pipeline, Transportation
ODEM	SAN PATRICIO	3,055	Х	Х	Х	Х		Sinton	Well, Pipeline, Transportation
OLD MARBACH SCHOOL WSC	LIVE OAK	607			х	х		George West	Pipeline, Transportation

#### Draft Table 7.9. Potential Emergency Supply Options for Small WUGs (cont.)

Entity						Imple	Implementation Requiremen				
Water User Group	County	2020 Population	Local Groundwater Well	Brackish Groundwater Well	Truck in Water	Supply from Nearby Entity	Known Existing Interconnect	Potential Entity Providing Supply	Type of Infrastructure Required		
ORANGE GROVE	JIM WELLS	1,443			Х	Х		Alice	Pipeline, Transportation		
PETTUS MUD	BEE	496			Х	Х			Pipeline, Transportation		
PREMONT	JIM WELLS	2,330			Х	Х		Alice	Pipeline, Transportation		
RICARDO WSC	KLEBERG	3,030		х	х	х	City of Kingsville	City of Kingsville	Pipeline, Transportation		
RINCON WSC	SAN PATRICIO	3,698	х	Х	х	х		Sinton	Well, Pipeline, Transportation		
RIVER ACRES WSC	NUECES	1,952			Х	Х		Corpus Christi	Pipeline, Transportation		
RIVIERA WATER SYSTEM	KLEBERG	758			х	х			Pipeline, Transportation		
SAN DIEGO MUD 1	DUVAL	4,669			х	х		#N/A	Pipeline, Transportation		
SINTON	SAN PATRICIO	4,812			Х	Х		SPMWD	Pipeline, Transportation		
SKIDMORE WSC	BEE	632			Х	Х			Pipeline, Transportation		
TAFT	SAN PATRICIO	2,549			Х	Х		Sinton	Pipeline, Transportation		
TDCJ CHASE FIELD	BEE	4,363			Х	Х	Beeville		Pipeline, Transportation		
THREE RIVERS	LIVE OAK	2,761	Х		Х				Well, Pipeline, Transportation		
VIOLET WSC	NUECES	2,651			Х	Х		NCWCID # 3	Pipeline, Transportation		

			Drought Contingency Measures									Water S		
Wholesale Water Provider/Water User Group	DCP Available	Date	Watering schedules/ Landscape irrigation restrictions	Water demand reduction targets	Potable water use restrictions	Vehicle washing restrictions	Restrictions on wash down of hard-surfaces, buildings, and/or structures	Restrictions on new service connections, pipeline extensions, etc.	Restrictions on serving water to patrons at restaurants	Restrictions on flushing gutters, controllable leaks, and/or permitting water to run or accumulate	Restrictions on the use of water for pools, ponds, or fountains	Restrictions on use of water for dust control	Others	SW
Wholesale Water Providers	<b>.</b>	<b>I</b>												
City of Corpus Christi	Y	2018	V	V	V	V	V	V			V		V	V
SPMWD	Y	2019	V	V	V	V	V				V	V	V	V
South Texas Water Authority	Y	2024	V	V									V	V
Nueces County WCID #3	Y	2019	V	V	V	V	V				V			V
LNRA	Y	2024		V									V	V
Water User Groups		<b>8</b>		<u>.</u>	<b>-</b>	<b>-</b>			<b></b>		•	•	•	
Aransas Pass	Y	2008	V	V		V	V	V	V	V	V	V	V	٧
Rockport	Y	2013	V	V		V	V			V	V	V	V	V
Beeville	Y	2024	V	V	V	V	V	V			V	V	V	٧
City of Three Rivers	Y	2014	V	V		V	٧			V	V	V		٧
Freer WCID	Y	2000	٧	٧		V	٧	٧	٧	V	V	V	V	
San Diego MUD #1	Y	2000	V	V		V	٧			V	V	V	V	
Alice	Y	2019	٧	٧		٧	٧	V	٧	V	V	V	V	٧
Orange Grove	Y	2000	٧	٧		٧	٧	V	٧	V	V	V	V	
Kingsville	Y	2002	٧	٧		٧	٧	V	٧	V	V	V	V	V
Ricardo WSC	Y	2018	٧	٧	٧	٧	٧	V	٧	V	V	V	V	V
El Oso WSC	Y	2009	٧	٧		٧	٧	V	٧	V	V	V	V	
McCoy WSC	Y	2000	٧	٧		٧	٧	V	٧	V	V	V	V	
Old Marbach School WSC	Y	2006	٧	٧		٧	٧			V	V	V		
Nueces WSC	Y	2019	V	٧	V	V	٧	V	٧	V	V	V	V	V
River Acres WSC	Y	2021	V	٧	V	V	٧	V	٧	V	V	V	V	٧
Odem	Y	2013	٧	٧	٧	٧	٧	٧	٧	V	V		V	V
Ingleside	Y	2018	V	٧	V	V	٧	V	٧	V	V	V	V	٧
Taft	Y	2013	V	٧		V	٧	V	٧	V	V	V	V	٧
Portland	Y	2024	V	V	V	V	٧	V	V	V	V	V	V	V
Rincon WSC	Y	2009	V	٧		V				V	V		V	٧
County-Other Entities							-	-						
Aransas County MUD #1	Y	2009	V		1	1				V		1	V	
Blueberry Hills	Y	2005	٧	V	1	V	V		1	V	V	V	V	<u> </u>
, Copano Heights WC	Y	2018	٧	V	1	V	V		1	V	V	V		V
Escondido Creek Estates	Y	2000	٧		1	V			V	V	٧	V	V	1
Riviera	Y	2000	V			V	V			V	٧	V	V	[
Baffin Bay WSC	Y	2015	V	V		V	V			V	٧			[
Pettus MUD	Y	2024	٧			٧	V			V	٧		V	



## Region N Update December 12, 2024

- IPPs are due to TWDB on *March 3, 2025*
- RWPG Chairs Call December 9, 2024
  - Updates and Resources for IPP Submittals
  - RWPG Best Practices
  - 2022 State Water Plan Amendment #3 Activities
- New Water Supply for Texas Fund Progress
  - Proposed Rules Published in Texas Register November 22, 2024
    - Public Review and Comment Through 5pm December 23, 2024
    - Structured Very Similarly to SWIFT Funding
    - Marine and brackish desal, produced water treatment, ASR, importation
    - Includes funding provisions for transportation of water (e.g. pipelines, etc.)
    - https://www.twdb.texas.gov/about/rules/index.asp



## **Updated Resources**

- IPP and Final Regional Water Plan Process Schematic
- IPP and Final Regional Water Plan Public Notice Summary
- IPP Review Checklist 🗹



### Initially Prepared Plan (IPP) and Final Regional Water Plan (RWP) Process Schematic <u>View full process schematic here -></u>





## Posting Requirements

#### Full document available here:

IPP and Final Regional Water Plan Public Notice
 Summary

Posting requirements	Public hearing for IPP	Adoption of IPP	Adoption of final plan
Minimum notice posting timeframe			
7 days prior the meeting		~	
14 days prior the meeting			$\checkmark$
30 days prior the hearing	~		
Notice must contain			
<ol> <li>Date, time, and location of the public meeting or hearing; 2) summary of the proposed action(s) to be taken; 3) the name, telephone number, email address, and physical address of a contact person to whom questions or requests for additional information may be submitted;</li> <li>a statement of how and when comments will be received from the members and public</li> </ol>	~	~	~
Locations of IPPs available for public inspection	√		
Minimum written comment period			
14 days prior the meeting			$\checkmark$
30 days prior to the hearing and until 60 days following the public hearing	~		
Entities notified			
All voting and non-voting RWPG members	√	~	$\checkmark$
Any person or entity who has requested notice of RWPG activities	~	<	√
Each RWPG where a recommended or alternative WMS being considered would be located	~	~	√
Each adjacent RWPG	~		
Each mayor of a municipality, located in whole or in part in the RWPA, with a population of 1,000 or more or which is a county seat	$\checkmark$		
Each county judge of a county located in whole or in part in the RWPA	~		
Each special or general law district or river authority with responsibility to manage or supply water in the RWPA (based upon list obtained from TCEQ)	$\checkmark$		
Each Retail Public Utility, defined as a community water system, that serves any part of the RWPA or receives water from the RWPA (based upon list obtained from TCEQ)	$\checkmark$		
Each holder of record of a water right for the use of surface water the diversion of which occurs in the RWPA (based upon list obtained from TCEQ)	$\checkmark$		
Posting venues			
RWPG website	√	~	$\checkmark$
Texas Secretary of State website	√	$\checkmark$	$\checkmark$
Published in a newspaper of general circulation in each county located in whole or part in the RWPA (before the 30th day preceding the date of the public meeting or hearing)	$\checkmark$		



# IPP Review Checklist

2026 Initially Prepared Plan Checklist (SUBJECT TO CHANGE)						
		Corresponding				
	Key Requirement	Contract				
2026 IPP	Citation:	Guidance and SOW				
Review Item	TWC 31 TAC Rule or	Task	Bequirement			
Number -	Contract Exhibit -	(if applicable)	(see published rule and other contract documents for full context)			
i van b	Contract Exhibit V	(ij uppicubic) 👎				
Header	§ 357.22		General Considerations for Development of Regional Water Plans			
1	§ 357.22(a)		RWPGs shall consider existing local, regional, and state water planning efforts, including water plans, information and			
-			relevant local, regional, state and federal programs and goals when developing the RWP. The RWPGs shall also consider:			
2	§ 357.22(a)(1)		[The RWPGs shall also consider:] water conservation plans;			
3	§ 357.22(a)(2)		The RWPGs shall also consider: drought management and drought contingency plans;			
4	§ 357.22(a)(3)	Exhibit C, Section 2.1	[The RWPGs shall also consider:] information compiled by the Board from water loss audits performed by retail public utilities pursuant to \$ 25% 6 (coloring to Water Loss Audits)			
			Utimities pursuant to 9 536.0 (relating to water toos Adonts)			
5	§ 357.22(a)(4)		water users;			
6	§ 357.22(a)(5)		[The RWPGs shall also consider:] local and regional water management plans;			
7	§ 357,22(a)(6)		[The RWPGs shall also consider:] water availability requirements promulgated by a county commissioners court in			
· ·	3 337122(a)(0)		accordance with TWC § 35.019 (relating to Priority Groundwater Management Areas)			
8	§ 357.22(a)(7)		[The RWPGs shall also consider:] the Texas Clean Rivers Program;			
9	§ 357.22(a)(8)		[The RWPGs shall also consider:] the U.S. Clean Water Act;			
10	§ 357.22(a)(9)		[The RWPGs shall also consider:] water management plans;			
11	§ 357.22(a)(10)		[The RWPGs shall also consider:] other planning goals including, but not limited to, regionalization of water and wastewater services where appropriate			
12	§ 357.22(a)(11)		[The RWPGs shall also consider:] approved groundwater conservation district management plans and other plans			
			submitted under Texas Water Code § 16.054 (relating to Local Water Planning);			
13	§ 357.22(a)(12)		The RWPGs shall also consider:] approved groundwater regulatory plans;			
14	§ 357.22(a)(13)		[The RWPGs shall also consider:] potential impacts on public health, safety, or welfare;			
15	§ 357.22(a)(14)		[The RWPGs shall also consider:] water conservation best management practices available on the TWDB website; and			
16	§ 357.22(a)(15)		[The RWPGs shall also consider:] any other information available from existing local or regional water planning studies.			
			The RWP shall contain a separate chapter for the contents of §§357.30, 357.31, 357.32, 357.33, 357.42, 357.43, 357.45,			
17	§357.22(b)	Exhibit C, Section 1.6	and 357.50 of this title and shall also contain a separate chapter for the contents of §357.34 and §§357.35, 357.40 and			
			357.41 of this title for a total of ten separate chapters			
Header	§ 357.30	SOW Task 1	Description of the Regional Water Planning Area			
10	\$ 257 20(1)	Exhibit C, Section 2.1;	[RWPGs shall describe their RWPA including the following:] social and economic aspects of a region such as information on			
10	§ 227.20(1)	SOW Task 1	current population, economic activity and economic sectors heavily dependent on water resources;			
19	§ 357.30(2)	Exhibit C, Section 2.1; SOW Task 1	[RWPGs shall describe their RWPA including the following:] current water use and major water demand centers;			
20	5 257 20(2)	Exhibit C, Section 2.1;	[RWPGs shall describe their RWPA including the following:] current groundwater, surface water, and reuse supplies			
20	§ 357.30(3)	SOW Task 1	including major springs that are important for water supply or protection of natural resources;			
21	§ 357.30(4)	Exhibit C, Section 2.1;	[RWPGs shall describe their RWPA including the following:] major water providers;			
		SUW Task 1				
22	§ 357.30(5)	SOW Task 1	[RWPGs shall describe their RWPA including the following:] agricultural and natural resources;			


## **Questions?**

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