

**July 28, 2020 Meeting Materials for the
Planning Water Resources for the State as a Whole Committee of the
Interregional Planning Council**

1. Agenda
2. Meeting presentation
3. Draft July 15, 2020 meeting minutes
4. Potential 2017 State Water Plan inter-basin transfers map
5. Inter-basin transfers map table

1. Agenda

**Planning Water Resources for the State as a Whole Committee of the
Interregional Planning Council**

JULY 28, 1:30PM

Meeting will be conducted via GoToWebinar and can be accessed with the link below.

<https://attendee.gotowebinar.com/register/1906440321162785808>

Webinar ID: 662-446-483

PLEASE SEE: <http://www.twdb.texas.gov/waterplanning/rwp/ipc/committees.asp>

**The Chairman of this Committee may choose to address the items identified in this agenda in an order outside of the pre-arranged numbering.*

1. Call to order and welcome
2. Public comment
3. Discussion and Action, as appropriate – Approval of the minutes of the July 15, 2020 meeting
4. Review of Problem Statement and Goal Statement
5. Discussion – Planning Water Resources for the State as a Whole
6. Discussion of agenda for future meetings
7. Public comment
8. Announcements
9. Adjourn

Persons with disabilities who plan to attend this meeting and who may need auxiliary aids or services such as interpreters for persons who are deaf or hearing impaired, readers, large print or Braille, are requested to contact Melinda Smith at melinda.smith@twdb.texas.gov or at (512) 463-6478 two (2) work days prior to the meeting so that appropriate arrangements can be made.

**Direct links to this information can be found on our website at
<http://www.twdb.texas.gov/waterplanning/rwp/ipc/committees.asp>**

To view/listen to the Planning Water Resources for the State as a Whole Committee Meeting on Tuesday, July 28, 2020, please use GoToWebinar. If you are a visitor for this meeting and wish to address the Committee, you will have an opportunity to do so under agenda items number 1 and 7 through the GoToWebinar application.

Additional Information may be obtained from: Kevin Smith, Regional Water Planner, Texas Water Development Board, 512/475-1561 kevin.smith@twdb.texas.gov

Emergency Mtg: No

2. Meeting presentation

Interregional Planning Council
Planning Water Resources for the
State as a Whole Committee

July 28, 2020

AGENDA

1. Call to order and welcome
2. Public comment
3. Discussion and Action, as appropriate – Approval of the minutes of the July 15, 2020 meeting
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5. Discussion – Planning Water Resources for the State as a Whole
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2. PUBLIC COMMENT

- Those on video Go To Webinar – Click “raise hand” on your screen.
- Those with telephone access – The organizer will unmute phone attendees to provide public comment.
- Limit comments to 3 minutes each.

3. DISCUSSION AND ACTION APPROVAL OF MINUTES

- Minutes of the July 15, 2020 committee meeting

4. REVIEW OF PROBLEM AND GOAL STATEMENT

Council Problem Statement:

Planning Water Resources for Texas as a whole is hindered by the varied and unique characteristics of different regions of the state, land use patterns and trends, the costs of such planning, the protective nature of regions and states over their natural resources, the ownership of water supplies and the impacts of water development, constraints of existing laws and rules, and the many competing needs for the water.

Council Goal Statement:

Texas' water needs will best be addressed through cooperative development of innovative and multi-benefit projects that benefit the state as a whole, while meeting the mandated requirements of the regional water planning process, including protecting the agricultural and natural resources of the state.

5. DISCUSSION OF PLANNING WATER RESOURCES

1. Current role of State in supply planning and implementation of state water plan
2. What are the specific hindrances that prevent regions from adequately and cooperatively developing innovative and multi-benefit (multi-region) projects for the state as a whole?
 - a. Obstacles associated with the nature of regional water planning process?
 - b. Obstacles associated with existing laws and rules?
 - c. Obstacles associated with ownership of water supplies?
 - d. Obstacles associated with many competing needs for water?
 - e. Obstacles associated with sponsorship of these potential projects?
3. What are the types of (innovative) projects that are hindered (and why)?

6. AGENDA FOR FUTURE MEETINGS

- Public comment
- Approval of the minutes of the July 28, 2020 meeting
- Discussion and action, as appropriate of Planning Water Resources for the State as a Whole
- Discussion of August 6, 2020 interim report

7. PUBLIC COMMENT

- Those on video Go To Webinar – Click “raise hand” on your screen.
- Those with telephone access – The organizer will unmute phone attendees to provide public comment.
- Limit comments to 3 minutes each.

8. ANNOUNCEMENTS

- Planning Water Resources committee meeting dates
- Interregional Planning Council meeting dates

ADJOURN

3. Draft July 15, 2020 meeting minutes

Planning Water Resources for the State as a Whole Committee Meeting Minutes

July 15, 2020, 1:30 p.m. to 3:30 p.m.

held via GoToWebinar Videoconference

Committee decisions bolded and italicized in document

Participation: Number of Planning Water Resources Committee Members present 5 of 5:

H	Mark Evans	C	Kevin Ward	K	David Wheelock
N	Carl Crull	O	Melanie Barnes		

Senators/Representatives/Other VIPs in Attendance: Heather Harward

TWDB Board Members and Staff: Temple McKinnon, Bryan McMath, Patrick Lopez

MEETING GENERAL

Chair Mark Evans (Region H) introduced all committee members and acknowledged Suzanne Scott (Region L), Interregional Planning Council (IPC) Chair. All committee members were present and Mr. Evans determined that a quorum was present and called the meeting to order. Mr. Evans asked Ms. Scott if she would like to speak to the committee. Ms. Scott thanked all committee members for their willingness to serve and stated that formation of subcommittees would be most productive to address the IPC's charges. Mr. Evans asked if any members had comments. Carl Crull (Region N) stated that he is not sure the regional aspects of water needs is a solution to water needs for the State as a whole. Mr. Evans asked that Mr. Crull wait to provide comments discussion portion of meeting.

AGENDA ITEMS

1. Public Comment

No public comments were offered.

2. Review and Discussion of Resources

Mr. Kevin Smith, TWDB point of contact, reviewed list of resources on the TWDB IPC website, related to Planning Water Resources for the State as a Whole. These resources were requested by IPC members during previous IPC meetings.

3. Consideration of an Action Plan

Mr. Evans presented the draft action plan, explaining that the action plan represents high level actions and IPC deadlines. Mr. Evans stated that drafting of the committee's report to the IPC will be done by TWDB staff, based on discussions from committee meetings. It is the Chair's intent that all committee work will be done in meetings, there will not be subcommittees working between meetings, other than

by members forming their thought processes they will bring to meetings. Ms. Melanie Barnes (Region O) asked if members had access to the draft action plan. Mr. Smith stated that the action plan would be developed real-time during the meeting and final version of action plan forwarded to committee members. Mr. Evans detailed the structure of the committee report to the IPC and proposed the following action plan deadlines:

- Complete initial draft of committee report section, August 20th
- Review and edit draft committee report section, August 27th
- Submittal committee report to IPC, September 4th
- Present committee report to IPC, September 15th

4. Discussion of Planning Water Resources for the State as a Whole

Mr. Smith reviewed the committee Problem Statement, Goal Statement and Committee Charges. Mr. Evans then opened discussion on agenda item.

Mr. Crull commented that first paragraph of Problem Statement. Regions with water needs may not have the supplies in their region. Coordination with other regions to meet water needs is problematic. Suggested modifying regional aspect of Problem Statement to emphasize State need as a whole. Mentioned previous planned project to bring water from the Sabine river to west Texas. Numerous reservoir projects from previous water plans which did not consider environmental impacts. These were scrapped when environmental flows considered.

Mr. Evans commented that you find planned strategies have been previously studied. Ground up process gets sponsors involved to build projects.

Mr. Kevin Ward (Region C) noted that planning used to be done by the State with last water plans done by the State was a consensus plan in 1996 or 1997. Mr. Ward indicated that the list of projects serving multiple regions is telling; that there are 34 projects, line items 6 through 29 are all Region C projects. If planning for State as a whole, why aren't other regions doing the same as Region C?

Mr. Ward stated that there is no real effort between regions to share water. Mr. Ward indicated that Senate Bill 1 required looking at interconnections during drought, so all regions have done this. Mr. Ward commented that the regional water planning process doesn't do water planning for the State as a whole, and suggested the bottom up process has run its course and there is a need to utilize agencies for a state level clear vision across state. Mr. Ward stated the water plan has significant money to do its work. Mr. Ward mentioned a recent megadrought study, and that we have groundwater since surface water may dry up.

Mr. Ward suggested that a seawater pipeline throughout the state seawater would be the solution to megadrought and that such a project would need to be sanctioned by the IPC or it would not be considered by the legislature. Mr. Ward commented the need for big ideas and that regions cannot individually do this; if the State asked then regions could.

Mr. Nelson clarified that there are quite a few existing water supplies that flows between regions and interaction with existing supplies. TWDB can provide this information.

Mr. Crull indicated that the Corpus Christi area does not just rely on the Nueces River basin, but has diversified also to the Lavaca River and Colorado River basins, and now seawater desalination and noted that East Texas supplies are more drought tolerant. In response to Mr. Ward's idea of building a seawater pipeline for the state, Mr. Crull indicated that it would be best to treat seawater prior to distribution.

Mr. Evans explained to the committee that his plan was to have two-hour meetings, with a five-minute break after an hour.

Ms. Scott indicated that the Interregional Coordination committee raised the same issue of where in the planning process to move up concept of shared water resources. Ms. Scott reminded the committee that they were charged by Chairman Larson to also look at innovative and multi benefit projects, such as ASR and captured floodwater. Ms. Scott mentioned 'One Water' concept - changing regulation for use of greywater, stormwater, and rainwater harvesting – and raised the question of how regional water planning should look at innovation in the future.

Mr. Evans pointed out the distinction regarding how to consider what is allowable under existing law vs what would require statutory change. Mr. Nelson pointed out that changes in statute might also require changes to resources to agencies.

Mr. Ward mentioned interregional coordination in a context of upstream/downstream locations of wastewater treatment discharges and that in the Dallas-Fort Worth area most of discharge to the Trinity River is used by City of Houston. He indicated that looking holistically at how to better discharge return flows into different tributaries that could benefit other regions and that this would require regulatory change.

Mr. Evans indicated that there currently are \$8 billion worth of projects to use Trinity River water to Luce Bayou and Lake Houston, with the examples of the northeast Houston treatment plant expansion project and water authorities in Harris and north Fort Bend Counties.

Mr. Ward indicated that there is push to consider water supplies in other regions, and suggested the committee look at a process that state committees could use to develop state's water resources and that such an approach could come up with different answers.

Mr. Crull indicated that Corpus Christi area has historically looked at surface water supplies and that that 40 percent of water supply in Region N goes to industry. He indicated that because the region needs a drought proof supply it is looking at seawater desalination and that the effort is supported by fees paid by industries.

Ms. Barnes indicated that a balancing of upstream reuse and downstream seawater desalination should occur at regional level.

Mr. Crull pointed out the environmental flows and bays and estuaries requirements issues and that how people along the coast are vocal on this issue.

Mr. Evans pointed out the agriculture and natural resources language in the Goal Statement.

Ms. Barnes indicated that in her region, a recent ruling allows a 1:1 reuse.

Mr. David Wheelock (Region K) mentioned the Trans-Texas Water Program that went away and became Senate Bill 1 and expressed interest in obtaining information on existing interregional water transfers. Mr. Wheelock commented that House Bill 807 discussed regional coordination, but that the committee discussion has grown to statewide issues. Mr. Wheelock asked the question “what do we consider multi-regional; is it two regions or more than two regions?” Mr. Wheelock brought up the issue of Interbasin Transfer (IBT) rules with TCEQ, and commented that they are a major consideration. Mr. Wheelock suggested need to discuss changes to IBT rules. Mr. Wheelock indicated that there would be more interregional project in Central Texas but for IBT rules, and that this is probably true around the state.

Mr. Evans pointed out that the committee doesn’t have to necessarily make recommendations on all discussed issued, but can state observations in the committee report, then IPC can decide what to recommend.

Mr. Nelson asked the committee what they believe is preventing larger multi-regional project in the regional plans?

Mr. Evans commented that when speaking with representatives from other states, they say that water planning in Texas is the model.

Mr. Nelson indicated that resources (time and financial) limits are likely one issue and asked the committee what changes could be made to achieve better coordination?

Mr. Evans responded that the committee charges allowed for committee to develop additional solutions as needed.

Mr. Ward indicated that if there’s not a task and required chapter in the plan [to address interregional coordination] then you won’t get it. Mr. Ward asked to confirm if House Bill 807 addressed multi-regional planning areas? Ms. Scott clarified that the bill also discusses coordination among regional water planning groups and planning for the State as a whole.

Mr. Ward suggested that during the regional water planning group chairs conference call, could have discussion of multi-regional projects and reiterated that this is not a required task for consultants or chapter in regional water plans. Mr. Ward indicated that if regional water planning budgets were reduced, and the TWDB increased, the process would change.

Mr. Crull suggested increasing the responsibility of planning group liaisons, giving them responsibility for discussing interregional projects.

Mr. Wheelock commented that the current regional water planning process does consider needs for the State.

Ms. Barnes indicated that a missing piece is a group that brainstorms ideas which can then be considered by the regions.

Mr. Nelson clarified that regional water planning groups do state planning, but asked what within current framework is not working? Mr. Ward responded that “we’re not there yet” and that regions currently have enough water, but that in the future regions will have to get water from other regions

since basis of water plan is to get the cheapest water first versus what is best for the State. Mr. Ward indicated that the planning process needs to look beyond 50 years, even 250 years.

Ms. Scott commented that what drives regions is making customer costs and contracts work; can't increase rate, must be affordable, customers must be happy. She indicated that the state has never sponsored a project that has that risk involved. Ms. Scott stated that there may be a multi-region project that addresses region's needs, but economically would not work for a sponsor's customers. Asked if the State could sponsor a project; local regions could buy into a State project?

Mr. Nelson asked what could be done in the current framework to address this and mentioned state participation in projects. Ms. Barnes replied there is no place currently in the regional planning process [to consider multi-region projects] and doesn't think planning groups are encouraged by TWDB or the legislature. Mr. Evans indicated that limitations may be included in committee report.

Mr. Wheelock suggested that the scopes of work for regional water planning include a requirement that all strategies be evaluated for whether they could be a multi-regional project and offered the example of Region K joining a seawater desalination project with neighboring region.

Mr. Ward suggested finding regions to pair in multi-regional projects, and indicated that it is common in Region C for major water providers to do this. Mr. Ward stated there currently isn't mechanism for interregional "focus groups" to get together and look at projects.

Ms. Barnes asked if there were specific documents for members to read, Mr. Evans responded that there is an upcoming agenda item addressing future reference materials and Mr. Nelson indicated that there are relevant documents on the IPC webpage.

5. Discussion of Next Steps

Mr. Crull stated looking at Trans-Texas Water Program Reports and previous state water plans would be beneficial.

Mr. Ward suggested comparing lists of all IBTs, before Senate Bill 1 and before Senate Bill 3. Mr. Nelson indicated that TWDB does not keep this information and that TCEQ has this information; TWDB has map of existing transfer of water between basins and will provide.

Mr. Ward indicated that if we looked beyond 50 year planning, it could produce a planning script for whole state.

Mr. Wheelock asked in 2021 regional water plans what projects would need IBT that doesn't currently have one?

Mr. Evans proposed the following committee schedule, based on member input:

- July 28th at 1:30 pm
- August 6th at 10:00 am
- August 20th at 1:30 pm
- August 27th at 1:30 pm

6. Discussion of Agenda for Future Meetings

Mr. Evans discussed agenda for future meetings.

7. Public Comment

No public comments were offered.

8. Adjourn

Mr. Evans asked for motion to adjourn. Mr. Crull motioned, Mr. Ward seconded motion. The meeting adjourned at approximately 3:22 pm.

4. Potential 2017 State Water Plan inter-basin transfers map

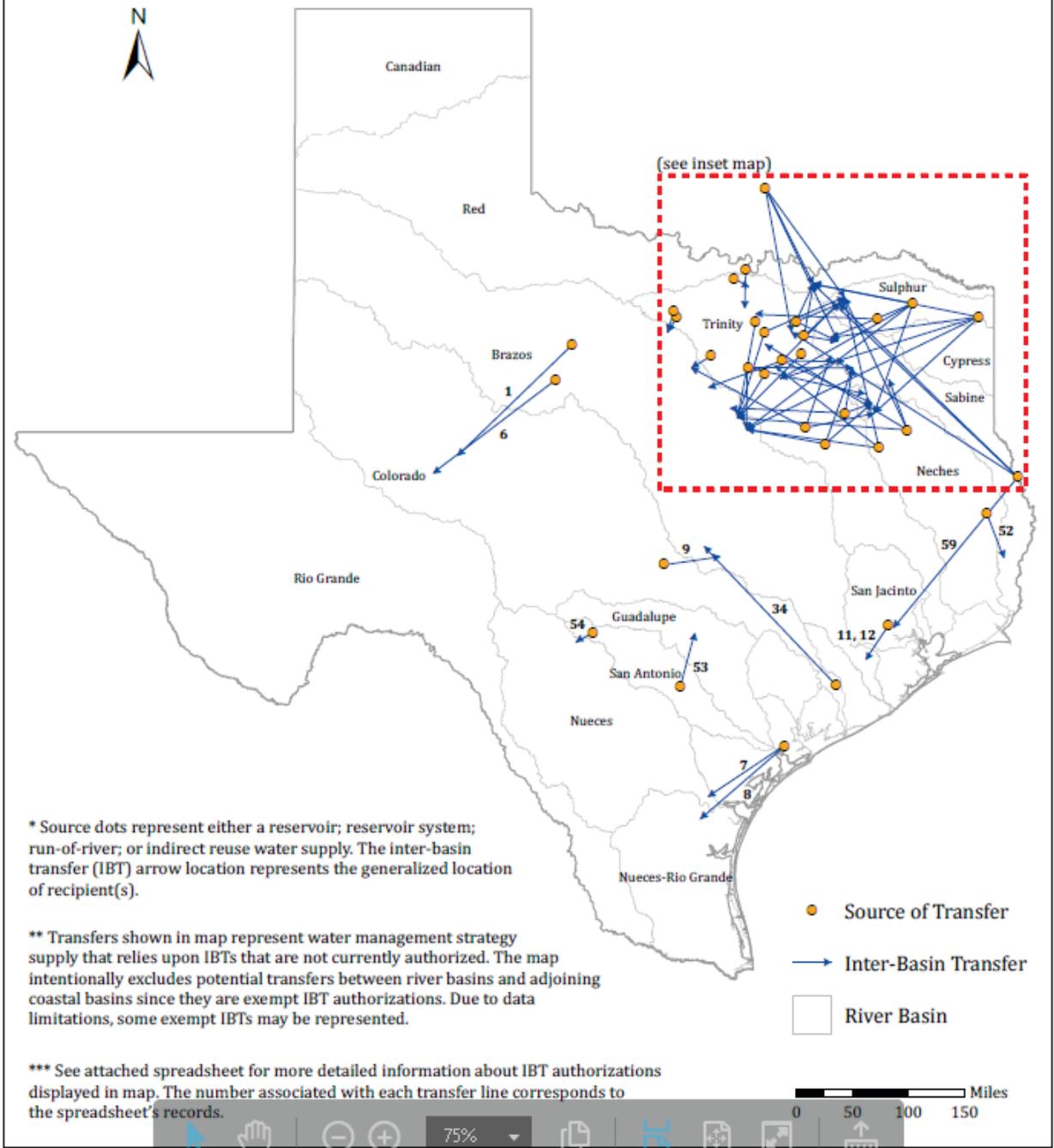
Potential future inter-basin transfer (IBT) authorizations required to implement the 2017 State Water Plan water management strategies.

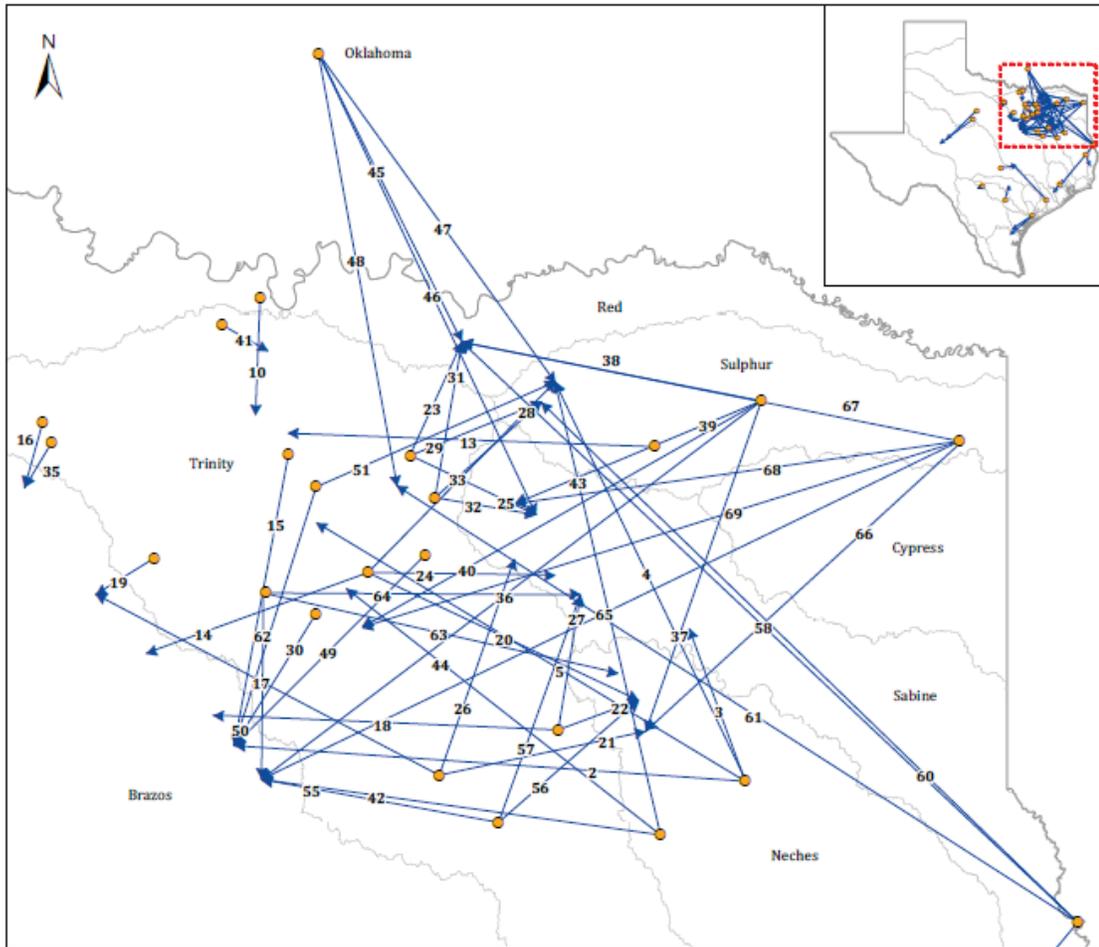
The following schematic maps are based on the water management strategies (WMS) and projects recommended in the 2017 State Water Plan which was developed in accordance with current water law and related requirements. Additional notes about the maps.

- The data behind these maps is based on the 2017 State Water Plan and is the result of iterative follow-up with Regional Water Planning Groups re: their state water plan database (DB17) data and their confirmation that their recommended WMSs would likely require a new IBT permit in accordance with TWC 11.085(v)
- The terminal point of the arrows on the maps represent generalized locations of recipients of the WMS. Multiple water user groups benefit from a single IBT WMS and displaying all beneficiaries prevented having a readable map.
- The transfers on these maps represent WMS relying on IBTs that are not currently authorized. The maps do not reflect the water supplies that already are anticipated to be transferred between basins as existing supplies or additional future supplies under existing IBTs.
- Despite our best efforts, there may be some exempt IBTs represented on the map.

Schematic representation of potential future inter-basin transfer authorizations required to implement the 2017 State Water Plan water management strategies

Draft Internal Map - 4/23/2019





* Source dots represent either a reservoir; reservoir system; run-of-river; or indirect reuse water supply. The inter-basin transfer (IBT) arrow location represents the generalized location of recipient(s).

** Transfers shown in map represent water management strategy supply that relies upon IBTs that are not currently authorized. The map intentionally excludes potential transfers between river basins and adjoining coastal basins since they are exempt IBT authorizations. Due to data limitations, some exempt IBTs may be represented.

*** See attached spreadsheet for more detailed information about IBT authorizations displayed in map. The number associated with each transfer line corresponds to the spreadsheet's records.

- Source of Transfer
- Inter-Basin Transfer
- River Basin



5. Inter-basin transfers map table

Map #	Source Name	Source Basin	WUG Basin	WUG County	WMS Sponsor Region	WMS Name	2020	2030	2040	2050	2060	2070
1	CEDAR RIDGE LAKE/RESERVOIR	BRAZOS	COLORADO	MIDLAND	G	CEDAR RIDGE RESERVOIR	0	2,400	2,400	2,400	2,400	2,400
1	CEDAR RIDGE LAKE/RESERVOIR	BRAZOS	COLORADO	NOLAN	G	CEDAR RIDGE RESERVOIR	64	61	60	55	49	43
1	CEDAR RIDGE LAKE/RESERVOIR	BRAZOS	COLORADO	TAYLOR	G	CEDAR RIDGE RESERVOIR	1,002	949	891	862	830	806
1	CEDAR RIDGE LAKE/RESERVOIR	BRAZOS	COLORADO	TOM GREEN	G	CEDAR RIDGE RESERVOIR	0	2,434	2,809	3,201	2,949	3,373
2	COLUMBIA LAKE/RESERVOIR	NECHES	BRAZOS	HILL	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	0
2	COLUMBIA LAKE/RESERVOIR	NECHES	BRAZOS	JOHNSON	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	24
3	COLUMBIA LAKE/RESERVOIR	NECHES	SABINE	KAUFMAN	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	2
3	COLUMBIA LAKE/RESERVOIR	NECHES	SABINE	ROCKWALL	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	4
3	COLUMBIA LAKE/RESERVOIR	NECHES	SABINE	RUSK	I	ANRA-COL - LAKE COLUMBIA	0	383	381	381	382	76
4	COLUMBIA LAKE/RESERVOIR	NECHES	SULPHUR	FANNIN	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	3
5	COLUMBIA LAKE/RESERVOIR	NECHES	TRINITY	COLLIN	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	1,306
5	COLUMBIA LAKE/RESERVOIR	NECHES	TRINITY	COOKE	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	2
5	COLUMBIA LAKE/RESERVOIR	NECHES	TRINITY	DALLAS	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	24,888
5	COLUMBIA LAKE/RESERVOIR	NECHES	TRINITY	DENTON	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	9,460
5	COLUMBIA LAKE/RESERVOIR	NECHES	TRINITY	ELLIS	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	621
5	COLUMBIA LAKE/RESERVOIR	NECHES	TRINITY	HILL	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	0
5	COLUMBIA LAKE/RESERVOIR	NECHES	TRINITY	JOHNSON	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	66
5	COLUMBIA LAKE/RESERVOIR	NECHES	TRINITY	KAUFMAN	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	197
5	COLUMBIA LAKE/RESERVOIR	NECHES	TRINITY	ROCKWALL	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	9
5	COLUMBIA LAKE/RESERVOIR	NECHES	TRINITY	TARRANT	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	573
5	COLUMBIA LAKE/RESERVOIR	NECHES	TRINITY	WISE	I	ANRA-COL - LAKE COLUMBIA	0	0	0	0	0	3
6	FORT PHANTOM HILL LAKE/RESERVOIR	BRAZOS	COLORADO	MIDLAND	G	ABILENE REDUCTION FOR WEST TEXAS WATER PARTNERSHIP	0	1,600	1,600	1,600	1,600	1,600
6	FORT PHANTOM HILL LAKE/RESERVOIR	BRAZOS	COLORADO	TOM GREEN	G	ABILENE REDUCTION FOR WEST TEXAS WATER PARTNERSHIP	0	1,624	1,872	2,136	1,967	2,249
7	GBRA LOWER BASIN OFF-CHANNEL LAKE/RESERVOIR	GUADALUPE	NUECES	NUECES	L	GBRA LOWER BASIN OFF-CHANNEL RESERVOIR	0	3,380	3,380	3,380	3,380	3,380
7	GBRA LOWER BASIN OFF-CHANNEL LAKE/RESERVOIR	GUADALUPE	NUECES	SAN PATRICIO	L	GBRA LOWER BASIN OFF-CHANNEL RESERVOIR	0	3,680	3,680	3,680	3,680	3,680
8	GBRA LOWER BASIN OFF-CHANNEL LAKE/RESERVOIR	GUADALUPE	NUECES-RIO GRANDE	JIM WELLS	L	GBRA LOWER BASIN OFF-CHANNEL RESERVOIR	0	2,800	2,800	2,800	2,800	2,800
8	GBRA LOWER BASIN OFF-CHANNEL LAKE/RESERVOIR	GUADALUPE	NUECES-RIO GRANDE	NUECES	L	GBRA LOWER BASIN OFF-CHANNEL RESERVOIR	0	5,820	5,820	5,820	5,820	5,820
9	HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	COLORADO	BRAZOS	WILLIAMSON	G	BRUSHY CREEK RUA-EXISTING CONTRACTS	38,598	37,445	37,178	38,906	39,446	39,842
10	HUBERT H MOSS LAKE/RESERVOIR	RED	TRINITY	COOKE	C	GAINESVILLE UNALLOCATED SUPPLY UTILIZATION	684	222	207	334	880	4,418

Map #	Source Name	Source Basin	WUG Basin	WUG County	WMS Sponsor Region	WMS Name	2020	2030	2040	2050	2060	2070
10	HUBERT H MOSS LAKE/RESERVOIR	RED	TRINITY	DENTON	C	GAINESVILLE UNALLOCATED SUPPLY UTILIZATION	0	39	60	82	109	137
10	HUBERT H MOSS LAKE/RESERVOIR	RED	TRINITY	GRAYSON	C	GAINESVILLE UNALLOCATED SUPPLY UTILIZATION	0	1	1	2	3	4
10	HUBERT H MOSS LAKE/RESERVOIR	RED	TRINITY	WISE	C	GAINESVILLE UNALLOCATED SUPPLY UTILIZATION	0	5	7	9	11	12
11	INDIRECT REUSE	SAN JACINTO	BRAZOS	FORT BEND	H	ADDITIONAL SUPPLY FROM GCWA	3,400	1,218	0	0	0	0
11	INDIRECT REUSE	SAN JACINTO	BRAZOS	FORT BEND	H	NEW / EXPANDED CONTRACT WITH GCWA	0	1,130	1,149	1,469	1,477	2,003
12	INDIRECT REUSE	SAN JACINTO	BRAZOS	FORT BEND	H	NFBWA GRP - REGIONAL RETURN FLOWS	0	0	886	3,384	4,330	4,481
13	INDIRECT REUSE	SULPHUR	TRINITY	COLLIN	C	UTRWD UNALLOCATED SUPPLY UTILIZATION	163	346	0	24	0	0
13	INDIRECT REUSE	SULPHUR	TRINITY	COOKE	C	UTRWD UNALLOCATED SUPPLY UTILIZATION	0	2	3	4	5	5
13	INDIRECT REUSE	SULPHUR	TRINITY	DENTON	C	UTRWD UNALLOCATED SUPPLY UTILIZATION	5	51	24	43	50	58
13	INDIRECT REUSE	SULPHUR	TRINITY	WISE	C	UTRWD UNALLOCATED SUPPLY UTILIZATION	0	1	3	4	5	6
14	INDIRECT REUSE	TRINITY	BRAZOS	HILL	C	DWU - MAIN STEM REUSE	0	0	0	1	1	1
14	INDIRECT REUSE	TRINITY	BRAZOS	JACK	C	DWU - MAIN STEM REUSE	0	0	0	0	3	0
14	INDIRECT REUSE	TRINITY	BRAZOS	JOHNSON	C	DWU - MAIN STEM REUSE	12	12	23	64	391	63
14	INDIRECT REUSE	TRINITY	BRAZOS	PARKER	C	DWU - MAIN STEM REUSE	0	0	0	0	341	0
15	INDIRECT REUSE	TRINITY	BRAZOS	HILL	C	GRAND PRAIRIE UNALLOCATED SUPPLY UTILIZATION	1	1	1	1	1	1
15	INDIRECT REUSE	TRINITY	BRAZOS	JOHNSON	C	GRAND PRAIRIE UNALLOCATED SUPPLY UTILIZATION	30	35	34	41	49	55
16	INDIRECT REUSE	TRINITY	BRAZOS	JACK	C	JACK COUNTY MINING INDIRECT REUSE (JACKSBORO)	132	137	139	140	142	144
17	INDIRECT REUSE	TRINITY	BRAZOS	HILL	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	0	0	0	0	0	0
17	INDIRECT REUSE	TRINITY	BRAZOS	JACK	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	177	23	23	19	17	13
17	INDIRECT REUSE	TRINITY	BRAZOS	JOHNSON	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	20	17	21	17	16	11
17	INDIRECT REUSE	TRINITY	BRAZOS	PARKER	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	18	21	6	45	253	303
18	INDIRECT REUSE	TRINITY	BRAZOS	FREESTONE	C	TRWD - CEDAR CREEK WETLANDS	0	11	4	17	40	83
18	INDIRECT REUSE	TRINITY	BRAZOS	HILL	C	TRWD - CEDAR CREEK WETLANDS	0	0	0	0	0	3
18	INDIRECT REUSE	TRINITY	BRAZOS	JACK	C	TRWD - CEDAR CREEK WETLANDS	0	226	193	191	176	178
18	INDIRECT REUSE	TRINITY	BRAZOS	JOHNSON	C	TRWD - CEDAR CREEK WETLANDS	0	140	265	375	298	240
18	INDIRECT REUSE	TRINITY	BRAZOS	PARKER	C	TRWD - CEDAR CREEK WETLANDS	0	9	18	220	966	1,403
19	INDIRECT REUSE	TRINITY	BRAZOS	PARKER	C	WEATHERFORD INDIRECT REUSE - LAKE WEATHERFORD/SUNSHINE	126	125	126	126	125	125
20	INDIRECT REUSE	TRINITY	NECHES	HENDERSON	C	DWU - MAIN STEM REUSE	0	0	0	0	0	0

Map #	Source Name	Source Basin	WUG Basin	WUG County	WMS Sponsor Region	WMS Name	2020	2030	2040	2050	2060	2070
20	INDIRECT REUSE	TRINITY	NECHES	VAN ZANDT	C	DWU - MAIN STEM REUSE	0	0	0	0	14	0
21	INDIRECT REUSE	TRINITY	NECHES	HENDERSON	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	0	0	0	0	0	0
22	INDIRECT REUSE	TRINITY	NECHES	HENDERSON	C	TRWD - CEDAR CREEK WETLANDS	0	0	0	0	0	0
22	INDIRECT REUSE	TRINITY	NECHES	VAN ZANDT	C	TRWD - CEDAR CREEK WETLANDS	0	4	8	12	10	8
23	INDIRECT REUSE	TRINITY	RED	FANNIN	C	NTMWD - MAIN STEM PUMP STATION	23	9	5	3	0	0
23	INDIRECT REUSE	TRINITY	RED	GRAYSON	C	NTMWD - MAIN STEM PUMP STATION	2	3	3	2	0	0
24	INDIRECT REUSE	TRINITY	SABINE	KAUFMAN	C	DWU - MAIN STEM REUSE	0	0	1	3	5	6
24	INDIRECT REUSE	TRINITY	SABINE	ROCKWALL	C	DWU - MAIN STEM REUSE	4	2	4	10	10	10
24	INDIRECT REUSE	TRINITY	SABINE	VAN ZANDT	C	DWU - MAIN STEM REUSE	0	0	0	0	18	0
25	INDIRECT REUSE	TRINITY	SABINE	COLLIN	C	NTMWD - MAIN STEM PUMP STATION	26	59	77	71	5	0
25	INDIRECT REUSE	TRINITY	SABINE	HUNT	C	NTMWD - MAIN STEM PUMP STATION	114	162	157	117	5	0
25	INDIRECT REUSE	TRINITY	SABINE	KAUFMAN	C	NTMWD - MAIN STEM PUMP STATION	8	13	11	10	1	0
25	INDIRECT REUSE	TRINITY	SABINE	RAINS	C	NTMWD - MAIN STEM PUMP STATION	2	3	2	1	0	0
25	INDIRECT REUSE	TRINITY	SABINE	ROCKWALL	C	NTMWD - MAIN STEM PUMP STATION	103	146	124	113	6	0
26	INDIRECT REUSE	TRINITY	SABINE	KAUFMAN	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	1	2	2	2	0	1
27	INDIRECT REUSE	TRINITY	SABINE	KAUFMAN	C	TRWD - CEDAR CREEK WETLANDS	0	3	5	8	5	6
27	INDIRECT REUSE	TRINITY	SABINE	VAN ZANDT	C	TRWD - CEDAR CREEK WETLANDS	0	6	12	19	15	14
28	INDIRECT REUSE	TRINITY	SULPHUR	FANNIN	C	DWU - MAIN STEM REUSE	0	0	1	6	9	8
29	INDIRECT REUSE	TRINITY	SULPHUR	FANNIN	C	NTMWD - MAIN STEM PUMP STATION	8	3	2	1	0	0
29	INDIRECT REUSE	TRINITY	SULPHUR	HUNT	C	NTMWD - MAIN STEM PUMP STATION	3	4	4	4	0	0
30	JOE POOL LAKE/RESERVOIR	TRINITY	BRAZOS	HILL	C	GRAND PRAIRIE UNALLOCATED SUPPLY UTILIZATION	1	1	1	1	1	1
30	JOE POOL LAKE/RESERVOIR	TRINITY	BRAZOS	JOHNSON	C	GRAND PRAIRIE UNALLOCATED SUPPLY UTILIZATION	55	48	45	45	45	45
31	LAVON LAKE/RESERVOIR NORTH TEXAS MWD SYSTEM	TRINITY	RED	FANNIN	C	NTMWD - ADDITIONAL LAKE LAVON	10	5	4	4	2	2
31	LAVON LAKE/RESERVOIR NORTH TEXAS MWD SYSTEM	TRINITY	RED	GRAYSON	C	NTMWD - ADDITIONAL LAKE LAVON	1	2	3	3	3	2
32	LAVON LAKE/RESERVOIR NORTH TEXAS MWD SYSTEM	TRINITY	SABINE	COLLIN	C	NTMWD - ADDITIONAL LAKE LAVON	12	34	59	104	119	91
32	LAVON LAKE/RESERVOIR NORTH TEXAS MWD SYSTEM	TRINITY	SABINE	HUNT	C	NTMWD - ADDITIONAL LAKE LAVON	47	89	124	167	138	117
32	LAVON LAKE/RESERVOIR NORTH TEXAS MWD SYSTEM	TRINITY	SABINE	KAUFMAN	C	NTMWD - ADDITIONAL LAKE LAVON	3	6	9	15	12	12
32	LAVON LAKE/RESERVOIR NORTH TEXAS MWD SYSTEM	TRINITY	SABINE	RAINS	C	NTMWD - ADDITIONAL LAKE LAVON	1	2	2	2	1	1

Map #	Source Name	Source Basin	WUG Basin	WUG County	WMS Sponsor Region	WMS Name	2020	2030	2040	2050	2060	2070
32	LAVON LAKE/RESERVOIR NORTH TEXAS MWD SYSTEM	TRINITY	SABINE	ROCKWALL	C	NTMWD - ADDITIONAL LAKE LAVON	42	79	100	172	170	146
33	LAVON LAKE/RESERVOIR NORTH TEXAS MWD SYSTEM	TRINITY	SULPHUR	FANNIN	C	NTMWD - ADDITIONAL LAKE LAVON	3	1	1	1	1	0
33	LAVON LAKE/RESERVOIR NORTH TEXAS MWD SYSTEM	TRINITY	SULPHUR	HUNT	C	NTMWD - ADDITIONAL LAKE LAVON	1	3	3	4	4	4
34	LCRA NEW OFF-CHANNEL RESERVOIRS (2020 DECADE)	COLORADO	BRAZOS	BURNET	K	LCRA - LANE CITY RESERVOIR	1,000	1,884	1,884	1,884	1,884	1,884
34	LCRA NEW OFF-CHANNEL RESERVOIRS (2020 DECADE)	COLORADO	BRAZOS	WILLIAMSON	K	LCRA - LANE CITY RESERVOIR	0	0	0	2,674	7,771	13,627
35	LOST CREEK-JACKSBORO LAKE/RESERVOIR SYSTEM	TRINITY	BRAZOS	JACK	C	JACKSBORO UNALLOCATED SUPPLY UTILIZATION	3	3	3	3	3	3
36	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	BRAZOS	FREESTONE	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	196
36	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	BRAZOS	HILL	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	6
36	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	BRAZOS	JACK	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	59
36	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	BRAZOS	JOHNSON	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	592
36	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	BRAZOS	PARKER	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	3,333
37	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	NECHES	HENDERSON	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	0
38	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	RED	FANNIN	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	6
38	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	RED	GRAYSON	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	7
39	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	SABINE	COLLIN	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	327
39	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	SABINE	HUNT	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	39
39	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	SABINE	KAUFMAN	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	52
39	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	SABINE	ROCKWALL	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	580
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	COLLIN	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	26,409
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	COOKE	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	14
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	DALLAS	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	9,354
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	DENTON	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	25,896
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	ELLIS	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	26,835
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	FREESTONE	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	6,990
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	GRAYSON	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	177
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	HENDERSON	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	3,211
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	HILL	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	1
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	JACK	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	838
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	JOHNSON	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	7,396
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	KAUFMAN	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	4,871
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	NAVARRO	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	4,001

Map #	Source Name	Source Basin	WUG Basin	WUG County	WMS Sponsor Region	WMS Name	2020	2030	2040	2050	2060	2070
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	PARKER	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	15,027
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	ROCKWALL	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	2,372
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	TARRANT	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	117,209
40	MARVIN NICHOLS LAKE/RESERVOIR	SULPHUR	TRINITY	WISE	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	12,844
41	MUENSTER LAKE/RESERVOIR	RED	TRINITY	COOKE	C	DEVELOP LAKE MUENSTER SUPPLY	280	280	280	280	280	280
42	NECHES RUN-OF-RIVER	NECHES	BRAZOS	FREESTONE	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	48	0
42	NECHES RUN-OF-RIVER	NECHES	BRAZOS	HILL	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	4	0
42	NECHES RUN-OF-RIVER	NECHES	BRAZOS	JACK	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	25	0
42	NECHES RUN-OF-RIVER	NECHES	BRAZOS	JOHNSON	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	41	20
42	NECHES RUN-OF-RIVER	NECHES	BRAZOS	PARKER	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	848	0
43	NECHES RUN-OF-RIVER	NECHES	SULPHUR	FANNIN	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	3	3
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	COLLIN	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	1,144	1,101
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	COOKE	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	2	2
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	DALLAS	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	21,684	20,981
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	DENTON	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	8,228	8,055
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	ELLIS	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	3,084	522
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	FREESTONE	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	520	0
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	HILL	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	11	0
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	JACK	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	51	0
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	JOHNSON	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	1,146	56
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	KAUFMAN	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	214	164
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	PARKER	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	960	0
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	ROCKWALL	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	8	8
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	TARRANT	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	1,673	484
44	NECHES RUN-OF-RIVER	NECHES	TRINITY	WISE	I	UNM-ROR-NECHES RUN OF RIVER	0	0	0	0	652	2
45	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	RED	FANNIN	C	NTMWD - OKLAHOMA	0	0	0	0	0	5
45	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	RED	GRAYSON	C	NTMWD - OKLAHOMA	0	0	0	0	0	5
46	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	SABINE	COLLIN	C	NTMWD - OKLAHOMA	0	0	0	0	0	273
46	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	SABINE	HUNT	C	NTMWD - OKLAHOMA	0	0	0	0	0	362
46	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	SABINE	KAUFMAN	C	NTMWD - OKLAHOMA	0	0	0	0	0	35
46	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	SABINE	RAINS	C	NTMWD - OKLAHOMA	0	0	0	0	0	2
46	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	SABINE	ROCKWALL	C	NTMWD - OKLAHOMA	0	0	0	0	0	448
47	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	SULPHUR	FANNIN	C	NTMWD - OKLAHOMA	0	0	0	0	0	1
47	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	SULPHUR	HUNT	C	NTMWD - OKLAHOMA	0	0	0	0	0	11

Map #	Source Name	Source Basin	WUG Basin	WUG County	WMS Sponsor Region	WMS Name	2020	2030	2040	2050	2060	2070
48	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	TRINITY	COLLIN	C	NTMWD - OKLAHOMA	0	0	0	0	0	15,752
48	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	TRINITY	DALLAS	C	NTMWD - OKLAHOMA	0	0	0	0	0	5,167
48	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	TRINITY	DENTON	C	NTMWD - OKLAHOMA	0	0	0	0	0	2,117
48	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	TRINITY	GRAYSON	C	NTMWD - OKLAHOMA	0	0	0	0	0	140
48	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	TRINITY	KAUFMAN	C	NTMWD - OKLAHOMA	0	0	0	0	0	2,701
48	OKLAHOMA RUN-OF-RIVER	OKLAHOMA	TRINITY	ROCKWALL	C	NTMWD - OKLAHOMA	0	0	0	0	0	1,817
49	RAY HUBBARD LAKE/RESERVOIR	TRINITY	BRAZOS	HILL	C	GRAND PRAIRIE UNALLOCATED SUPPLY UTILIZATION	1	1	1	1	0	0
49	RAY HUBBARD LAKE/RESERVOIR	TRINITY	BRAZOS	JOHNSON	C	GRAND PRAIRIE UNALLOCATED SUPPLY UTILIZATION	45	44	40	35	31	28
50	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	TRINITY	BRAZOS	HILL	C	GRAND PRAIRIE UNALLOCATED SUPPLY UTILIZATION	2	2	1	1	1	1
50	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	TRINITY	BRAZOS	JOHNSON	C	GRAND PRAIRIE UNALLOCATED SUPPLY UTILIZATION	109	97	85	73	62	55
51	RAY ROBERTS-LEWISVILLE-GRAPEVINE LAKE/RESERVOIR SYSTEM	TRINITY	SULPHUR	FANNIN	C	UTRWD UNALLOCATED SUPPLY UTILIZATION	0	19	24	29	39	33
52	SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM	NECHES	SABINE	JASPER	I	JASP-MFG CONTRACT EXPANSION	0	0	0	0	0	0
53	SAN ANTONIO RUN-OF-RIVER	SAN ANTONIO	GUADALUPE	CALDWELL	L	CRWA SIESTA PROJECT	0	0	12	0	0	0
53	SAN ANTONIO RUN-OF-RIVER	SAN ANTONIO	GUADALUPE	COMAL	L	CRWA SIESTA PROJECT	0	0	0	5	0	41
53	SAN ANTONIO RUN-OF-RIVER	SAN ANTONIO	GUADALUPE	GUADALUPE	L	CRWA SIESTA PROJECT	0	0	0	148	0	1,125
53	SAN ANTONIO RUN-OF-RIVER	SAN ANTONIO	GUADALUPE	HAYS	L	CRWA SIESTA PROJECT	0	0	31	0	0	0
54	SAN ANTONIO RUN-OF-RIVER	SAN ANTONIO	NUECES	BANDERA	J	BCRAGD - VEGETATIVE MANAGEMENT	0	0	0	0	0	0
55	TEHUACANA LAKE/RESERVOIR	TRINITY	BRAZOS	FREESTONE	C	TRWD - TEHUACANA	0	0	2	10	12	40
55	TEHUACANA LAKE/RESERVOIR	TRINITY	BRAZOS	HILL	C	TRWD - TEHUACANA	0	0	0	0	0	0
55	TEHUACANA LAKE/RESERVOIR	TRINITY	BRAZOS	JACK	C	TRWD - TEHUACANA	0	0	11	20	9	12
55	TEHUACANA LAKE/RESERVOIR	TRINITY	BRAZOS	JOHNSON	C	TRWD - TEHUACANA	0	0	133	200	96	114
55	TEHUACANA LAKE/RESERVOIR	TRINITY	BRAZOS	PARKER	C	TRWD - TEHUACANA	0	0	10	124	312	663
56	TEHUACANA LAKE/RESERVOIR	TRINITY	NECHES	HENDERSON	C	TRWD - TEHUACANA	0	0	0	0	0	0
56	TEHUACANA LAKE/RESERVOIR	TRINITY	NECHES	VAN ZANDT	C	TRWD - TEHUACANA	0	0	4	6	3	0
57	TEHUACANA LAKE/RESERVOIR	TRINITY	SABINE	KAUFMAN	C	TRWD - TEHUACANA	0	0	2	4	2	2
57	TEHUACANA LAKE/RESERVOIR	TRINITY	SABINE	VAN ZANDT	C	TRWD - TEHUACANA	0	0	5	10	5	0
58	TOLEDO BEND LAKE/RESERVOIR	SABINE	RED	FANNIN	C	NTMWD - TOLEDO BEND PHASE I	0	0	0	0	9	10
58	TOLEDO BEND LAKE/RESERVOIR	SABINE	RED	GRAYSON	C	NTMWD - TOLEDO BEND PHASE I	0	0	0	0	8	10
59	TOLEDO BEND LAKE/RESERVOIR	SABINE	SAN JACINTO	HARRIS	H	EAST TEXAS TRANSFER	0	0	250,000	250,000	250,000	250,000
60	TOLEDO BEND LAKE/RESERVOIR	SABINE	SULPHUR	FANNIN	C	NTMWD - TOLEDO BEND PHASE I	0	0	0	0	3	3
60	TOLEDO BEND LAKE/RESERVOIR	SABINE	SULPHUR	HUNT	C	NTMWD - TOLEDO BEND PHASE I	0	0	0	0	17	20

Map #	Source Name	Source Basin	WUG Basin	WUG County	WMS Sponsor Region	WMS Name	2020	2030	2040	2050	2060	2070
61	TOLEDO BEND LAKE/RESERVOIR	SABINE	TRINITY	COLLIN	C	NTMWD - TOLEDO BEND PHASE I	0	0	0	0	25,627	31,201
61	TOLEDO BEND LAKE/RESERVOIR	SABINE	TRINITY	DALLAS	C	NTMWD - TOLEDO BEND PHASE I	0	0	0	0	8,801	10,333
61	TOLEDO BEND LAKE/RESERVOIR	SABINE	TRINITY	DENTON	C	NTMWD - TOLEDO BEND PHASE I	0	0	0	0	3,596	4,165
61	TOLEDO BEND LAKE/RESERVOIR	SABINE	TRINITY	GRAYSON	C	NTMWD - TOLEDO BEND PHASE I	0	0	0	0	152	270
61	TOLEDO BEND LAKE/RESERVOIR	SABINE	TRINITY	KAUFMAN	C	NTMWD - TOLEDO BEND PHASE I	0	0	0	0	3,574	5,320
61	TOLEDO BEND LAKE/RESERVOIR	SABINE	TRINITY	ROCKWALL	C	NTMWD - TOLEDO BEND PHASE I	0	0	0	0	2,663	3,634
62	TRWD LAKE/RESERVOIR SYSTEM	TRINITY	BRAZOS	FREESTONE	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	22	5	2	4	11	42
62	TRWD LAKE/RESERVOIR SYSTEM	TRINITY	BRAZOS	HILL	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	0	0	0	0	0	0
62	TRWD LAKE/RESERVOIR SYSTEM	TRINITY	BRAZOS	JACK	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	0	1	2	2	2	8
62	TRWD LAKE/RESERVOIR SYSTEM	TRINITY	BRAZOS	JOHNSON	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	13	5	6	4	8	16
62	TRWD LAKE/RESERVOIR SYSTEM	TRINITY	BRAZOS	PARKER	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	0	2	2	13	101	407
63	TRWD LAKE/RESERVOIR SYSTEM	TRINITY	NECHES	VAN ZANDT	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	0	2	3	3	3	4
64	TRWD LAKE/RESERVOIR SYSTEM	TRINITY	SABINE	KAUFMAN	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	1	0	0	0	0	2
64	TRWD LAKE/RESERVOIR SYSTEM	TRINITY	SABINE	VAN ZANDT	C	TRWD - ADDITIONAL CEDAR CREEK AND RICHLAND-CHAMBERS	0	3	5	4	4	7
65	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	BRAZOS	FREESTONE	C	SULPHUR BASIN SUPPLY	0	0	0	4	21	66
65	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	BRAZOS	HILL	C	SULPHUR BASIN SUPPLY	0	0	0	1	2	2
65	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	BRAZOS	JACK	C	SULPHUR BASIN SUPPLY	0	0	0	9	15	19
65	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	BRAZOS	JOHNSON	C	SULPHUR BASIN SUPPLY	0	0	0	104	170	199
65	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	BRAZOS	PARKER	C	SULPHUR BASIN SUPPLY	0	0	0	51	533	1,128
66	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	NECHES	HENDERSON	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	0
67	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	RED	FANNIN	C	SULPHUR BASIN SUPPLY	0	0	0	0	3	2
67	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	RED	GRAYSON	C	SULPHUR BASIN SUPPLY	0	0	0	2	3	2
68	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	SABINE	COLLIN	C	SULPHUR BASIN SUPPLY	0	0	0	0	137	110
68	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	SABINE	HUNT	C	SULPHUR BASIN SUPPLY	0	0	0	0	13	13
68	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	SABINE	KAUFMAN	C	SULPHUR BASIN SUPPLY	0	0	0	1	16	17
68	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	SABINE	ROCKWALL	C	SULPHUR BASIN SUPPLY	0	0	0	0	207	195
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	COLLIN	C	SULPHUR BASIN SUPPLY	0	0	0	0	8,911	8,199
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	COOKE	C	SULPHUR BASIN SUPPLY	0	0	0	0	2	5
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	DALLAS	C	SULPHUR BASIN SUPPLY	0	0	0	676	3,716	3,159
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	DENTON	C	SULPHUR BASIN SUPPLY	0	0	0	2,528	7,461	8,790

Map #	Source Name	Source Basin	WUG Basin	WUG County	WMS Sponsor Region	WMS Name	2020	2030	2040	2050	2060	2070
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	ELLIS	C	SULPHUR BASIN SUPPLY	0	0	0	3,963	6,209	8,796
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	FREESTONE	C	SULPHUR BASIN SUPPLY	0	0	0	513	1,016	2,328
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	GRAYSON	C	SULPHUR BASIN SUPPLY	0	0	0	0	52	60
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	HENDERSON	C	SULPHUR BASIN SUPPLY	0	0	0	350	743	1,091
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	HILL	C	SULPHUR BASIN SUPPLY	0	0	0	0	0	0
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	JACK	C	SULPHUR BASIN SUPPLY	0	0	0	123	227	285
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	JOHNSON	C	SULPHUR BASIN SUPPLY	0	0	0	1,382	2,175	2,518
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	KAUFMAN	C	SULPHUR BASIN SUPPLY	0	0	0	112	1,477	1,650
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	NAVARRO	C	SULPHUR BASIN SUPPLY	0	0	0	3,684	3,574	1,359
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	PARKER	C	SULPHUR BASIN SUPPLY	0	0	0	2,812	4,586	5,227
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	ROCKWALL	C	SULPHUR BASIN SUPPLY	0	0	0	0	903	806
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	TARRANT	C	SULPHUR BASIN SUPPLY	0	0	0	47,874	49,604	39,889
69	WRIGHT PATMAN LAKE/RESERVOIR	SULPHUR	TRINITY	WISE	C	SULPHUR BASIN SUPPLY	0	0	0	2,353	4,562	5,081