

Senate Bill 1
South Central Texas RWPG Staff Workgroup Meeting
July 21, 2016 at 9:00 am
San Antonio River Authority

1. Review and Discuss Latest Efforts on 2021 Plan Enhancement Process
 - a. Guiding Principles Working Document
2. Review and Discuss TWDB Rules Changes Timeline and Strategize a Comment Process
3. Review and Discuss Consultant's Work and Schedule
 - a. Disclosures
 - b. Schedule
 - c. Proposed WUGS for 2021 RWP
 - d. Rainwater Harvesting
4. Review and Discuss the Region L Agenda for August 4, 2016
5. Any Additional Items for Consideration

2021 Plan Enhancement Process Schedule

May 2016	The appropriateness and adequacy of how demand and need are determined.
	The role of regional water planning groups in influencing population growth and land use.
	Defining conflicts of interests of planning group members
August 2016	The role of regional water planning groups in influencing water development plans of water suppliers.
	The role of regional water planning groups in influencing permitting entities.
November 2016	The adequacy of evaluating the Plan's effects on freshwater inflows to San Antonio Bay.
	The adequacy of environmental assessments of individual WMS's.
	A set of guiding principles to serve as a blueprint for long-term water sustainability.
February 2017	How Water Management Strategies are categorized; e.g. Recommended, Alternate, Needing Further Study.
	The extent to which innovative strategies should be used.
	Maintaining management supplies while avoiding "over planning".
Other	Identifying special studies or evaluations deemed important to enhance the 2021 Plan and identification of outside funding sources.
	Address the role of reuse within the regional water plan.
	Any other subjects that the planning group agrees to address.

The text in blue is only for background purposes, and will not be included in the final Guiding Principle Document.

South Central Texas Regional Water Planning Group

2021 Regional Water Plan Enhancement Process Guiding Principles

Appropriateness and Adequacy of How Demand and Need are Determined

Summary of Notes from May 5, 2016:

Define TWDB's process regarding population and water demand projections, and then make sure everyone understands it. Receive population and water demand projections recommendation from TWDB. Have the opportunity to review. Request changes on a case by case basis as early in the process as possible.

Excerpt from Chapter 8 Policy Recommendations and Unique Sites (2016 RWP) Concerning Population and Water Demand Projections:

8.9.3 Population and Water Demand Projections

The SCTRWPG recognizes that the TWDB bases its water demand projections on patterns of population and economic growth while also permitting revisions of state data to incorporate additional information developed by the planning regions. The SCTRWPG appreciates that the TWDB has facilitated more active involvement of the Regional Water Planning Groups in refining water demand projections for use in the 2016 regional water plans. Nevertheless, some groups believe that the methodology puts an unfair limitation on access to water for future growth, particularly in areas that may experience more rapid change than they have in the past. The SCTRWPG has struggled with the lack of flexibility within the methodology to address rapidly growing municipal water demands associated with the transient work forces and long-term operations and maintenance 2016 South Central Texas Regional Water Plan personnel supporting extraction, collection, and transport of oil and gas resources found in the Eagle Ford shale. In circumstances such as this, the SCTRWPG encourages greater TWDB flexibility through relaxation of current methodological assumptions holding regional and state population projection totals fixed. Water demand projections used in developing the Regional Water Plan should be consensus figures arrived at by using TWDB data along with local input from the cities, counties, and groundwater districts.

Guiding Principle:

The South Central Texas Regional Water Planning Group (SCTRWPG) generally defers to the Texas Water Development Board (TWDB) on matters related to population and water demand projections. However, the SCTRWPG retains the duty to review TWDB projections on a case by case basis. Where the SCTRWPG finds a discrepancy in TWDB's projections, and can adequately justify its findings by verifying one or more of the "criteria for adjustment," TWDB – in consultation with Texas Department of Agriculture, Texas Commission on Environmental Quality, and Texas Parks and Wildlife Department – may adjust population and/or water demand projections accordingly (see generally *General Guidelines for Fifth Cycle of Regional Water Plan Development*, Article 2. *Population and Water Demand Projections*). Consistent with Chapter 8 of the 2016 Regional Water Plan for Region L, the SCTRWPG supports greater TWDB flexibility through relaxation of current methodological assumptions holding regional and state population projection totals fixed (see Chapter 8.9.3 *Population and Water Demand Projections*). Water demand projections used in developing the Regional Water Plan should be consensus figures arrived at by using TWDB data along with local input from the cities, counties, and groundwater districts.

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Role of Regional Water Planning Groups in Influencing Population Growth and Land Use

Summary of Notes from May 5, 2016: See Chapter 8 for current statement. It's not the role or responsibility of the planning group to influence population growth and land use. However, it's the planning group's duty to be cognizant of the sensitive relationship between the plan, population growth and land use.

Excerpt from Chapter 8 Policy Recommendations and Unique Sites (2016 RWP) Concerning Population and Water Demand Projections:

8.9.3 Population and Water Demand Projections

The SCTRWPG recognizes that the TWDB bases its water demand projections on patterns of population and economic growth while also permitting revisions of state data to incorporate additional information developed by the planning regions. The SCTRWPG appreciates that the TWDB has facilitated more active involvement of the Regional Water Planning Groups in refining water demand projections for use in the 2016 regional water plans. Nevertheless, some groups believe that the methodology puts an unfair limitation on access to water for future growth, particularly in areas that may experience more rapid change than they have in the past. The SCTRWPG has struggled with the lack of flexibility within the methodology to address rapidly growing municipal water demands associated with the transient work forces and long-term operations and maintenance 2016 South Central Texas Regional Water Plan personnel supporting extraction, collection, and transport of oil and gas resources found in the Eagle Ford shale. In circumstances such as this, the SCTRWPG encourages greater TWDB flexibility through relaxation of current methodological assumptions holding regional and state population projection totals fixed. Water demand projections used in developing the Regional Water Plan should be consensus figures arrived at by using TWDB data along with local input from the cities, counties, and groundwater districts.

Guiding Principle:

Where the concepts of population growth and land use necessarily interrelate with the Regional Water Plan, the SCTRWPG shall, to the greatest extent possible, develop strategies to meet future projected demands. However, it is neither the role, nor the responsibility of the SCTRWPG to influence population growth or land use. While the SCTRWPG has a duty to remain cognizant of the sensitive relationship between the Regional Water Plan, population growth and land use, decisions concerning permitting and influencing population growth are inherently local, and remain wholly independent from the regional water planning process.

Conflicts of Interests With Respect to Planning Group Members

Summary of Notes from May 5, 2016: Changes to form (require info concerning nominee's "employer," as opposed to "occupation," and clarification of concerning "interest group"). Ask nominees to abide by the code of conduct. Bylaws will be given to nominees prior to interview. Executive committee will ask, as a standard interview question, whether nominees agree to abide by the Code of Conduct.

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Guiding Principle:

1. Active Planning Group Members

All disclosures pursuant to Article V, Section 6 of the SCTRWPG Bylaws, are within the purview of the planning group member or designated alternate who has the potential conflict of interest. Therefore, disclosures are the responsibility of the planning group member or designated alternate. If the voting member chooses to abstain from participation in deliberations, decisions, or voting, pursuant to Article V, Section 6 of the SCTRWPG Bylaws, the reason for abstention shall be noted in the minutes.

SCTRWPG Bylaw Excerpt

Potential conflicts of interest shall be clearly stated by the voting member or designated alternate prior to any deliberation or action on an agenda item with which the joint member or designated alternate may be in conflict. Where the potential conflict is restricted to a divisible portion of an agenda item, the Chair may divide the agenda item into parts for deliberation and voting purpose. An abstention from participation in deliberations, decisions or voting and the reason therefore shall be noted in the minutes.

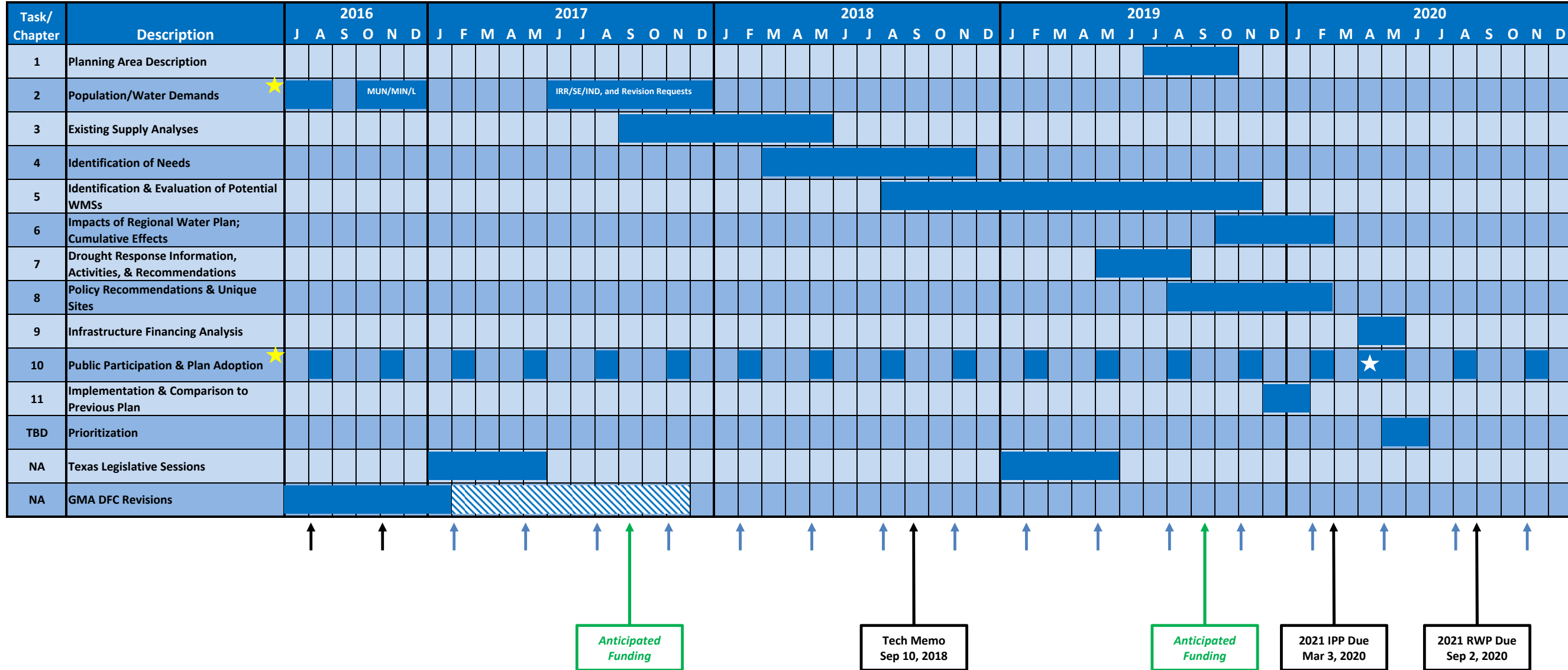
(see *SCTRWPG Bylaws*, Article V, Section 6, (b))

2. Nomination Process

Where the SCTRWPG is soliciting nominations to fill vacancies on the planning group, nominators shall provide information regarding the nominee's current employer, and provide a description of the nominee's experience that qualifies him/her for the position in the interest group being sought to represent.

Additionally, nominees shall agree to abide by the Code of Conduct, which is incorporated in the SCTRWPG Bylaws (see *SCTRWPG Bylaws*, Article V, Section 6). As per the Bylaws, the Executive Committee will conduct an interview process whereby nominees will be evaluated. Prior to the interview, nominees will be provided a copy of the Bylaws. During the interview process, nominees will be asked if they are willing to agree to the Bylaws, and specifically, if they are willing to comply with the Code of Conduct.

2021 South Central Texas Regional Water Plan
Estimated Schedule
August 2016 RWPG Meeting



KEY:

- ↑ Scheduled Region L Meetings
- ↑ Anticipated Region L Meetings
- ★ Currently Funded Tasks
- ★ Public Hearing(s) on 2021 IPP
- Anticipated Activity
- ▨ Activity Uncertainty

Proposed Water User Groups (WUGs) for the 2021 Region L Water Plan

Initial Draft Information from TWDB

August 4, 2016

DRAFT 7/12/16

WUGs for 2021 RWP

- 109 Public WUGs
 - 16 New
 - 93 Existing
 - 27 Eliminated

- 4 Facilities for Consideration

- 5 Private Utilities for Consideration

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16 New WUGs

- BATESVILLE WSC
- BEXAR COUNTY WCID 10
- CARRIZO HILL WSC
- FAYETTE WSC
- GUADALUPE-BLANCO RIVER AUTHORITY
- HAYS COUNTY WCID 1
- HAYS COUNTY WCID 2
- KNIPPA WSC
- LOMA ALTA CHULA VISTA WATER SYSTEM
- MEDINA COUNTY WCID 2
- MEDINA RIVER WEST WSC
- MOORE WSC
- PICOSA WSC
- QUAIL CREEK MUD
- VICTORIA COUNTY WCID 1
- WINDMILL WSC

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27 Eliminated WUGs

Previous WUG	New WUG
BALCONES HEIGHTS	SAN ANTONIO WATER SYSTEM
BULVERDE	COUNTY-OTHER
CANYON LAKE WATER SERVICE COMPANY	COUNTY-OTHER
CASTLE HILLS	SAN ANTONIO WATER SYSTEM
CHINA GROVE	SAN ANTONIO WATER SYSTEM
ENCINAL	ENCINAL WSC
HELOTES	SAN ANTONIO WATER SYSTEM
HILL COUNTRY VILLAGE	SAN ANTONIO WATER SYSTEM
HOLLYWOOD PARK	SAN ANTONIO WATER SYSTEM
MARTINDALE	MARTINDALE WSC
MOUNTAIN CITY	COUNTY-OTHER
MUSTANG RIDGE	CREEDMOOR-MAHA WSC
NEW BERLIN	EAST CENTRAL SUD / GREEN VALLEY SUD
NIEDERWALD	GOFORTH SUD
OLMOS PARK	SAN ANTONIO WATER SYSTEM
PLUM CREEK WATER COMPANY	COUNTY-OTHER
SAN ANTONIO	SAN ANTONIO WATER SYSTEM
SANTA CLARA	MARION / GREEN VALLEY SUD
SOMERSET	SAN ANTONIO WATER SYSTEM
ST. HEDWIG	EAST CENTRAL SUD / GREEN VALLEY SUD
TERRELL HILLS	SAN ANTONIO WATER SYSTEM
UHLAND	COUNTY LINE WSC
VON ORMY	ATASCOSA RURAL WSC SAN ANTONIO WATER SYSTEM
WATER SERVICES INC	COUNTY-OTHER
WIMBERLEY	WIMBERLEY WSC
WINDCREST	BEXAR COUNTY WCID 10
WOODCREEK	COUNTY-OTHER

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4 Facilities To Consider

- FORT SAM HOUSTON
- TEXAS STATE UNIVERSITY
- LACKLAND AIR FORCE BASE
- RANDOLPH AIR FORCE BASE

NOTE: Per the Joint Base San Antonio agreement, Camp Bullis is served by SAWS in full. All other bases have own supply and have SAWS as backup.

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5 Private Utilities To Consider

- AIR FORCE VILLAGE II INC
- CLEAR WATER ESTATES WATER SYSTEM
- KENDALL WEST UTILITY
- KT WATER DEVELOPMENT
- WINGERT WATER SYSTEMS

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Procedure

- Develop list of suggestions/corrections
- Develop list of Facilities and Private Utilities that SCTRWPG recommends for inclusion
- Submit lists to TWDB by September 30, 2016

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Summary of South Central Texas Regional Water Planning Group Work Regarding Rainwater Harvesting

2001 Region L Water Plan

Rainwater Harvesting water management strategy (WMS) fully evaluated (SCTN-9), but not recommended to meet Needs. Rainwater Harvesting listed as “Additional Management Strategy Requiring Further Study Regarding Quantity, Cost, and/or Feasibility”.

Plan encourages Rainwater Harvesting:

Plan recognizes that water management strategies such as brush management, weather modification, rainwater harvesting, and small recharge dams contribute positively to storage and system management of diverse sources of supply.

Rainwater Harvesting WMS Evaluation (SCTN-9) summary information:

- 0.057 acft/yr per household
- Unit cost of \$16,178/acft/yr (1999 dollars)
- Minimal, if any, environmental factors
- Minimal, if any, impacts to water resources
- Consistent with conservation focus of Plan
- High unit cost
- Implementable throughout the region

2006 Region L Water Plan

Rainwater Harvesting WMS fully evaluated (Volume II – Section 4C.30), but not recommended to meet Needs. Rainwater Harvesting listed as a “potential” WMS.

Plan encourages Rainwater Harvesting:

Plan recognizes that water management strategies such as brush management, weather modification, rainwater harvesting, and small recharge dams contribute positively to storage and system management of diverse sources of supply.

Rainwater Harvesting was encouraged in the Planning Group’s Policy Recommendations:

The SCTRWPG encourages the use of rainwater harvesting systems in both commercial and residential new development. The SCTRWPG recommends the TWDB develop programs to educate the public and building industry on the benefits of rainwater harvesting, water re-use and gray water systems. The educational programs should include distribution of materials to the building industry to encourage use of these systems.

Rainwater Harvesting WMS Evaluation (Volume II – Section 4C.30) summary information:

- 0.0574 to 0.10 acft/yr of supply per household
- Unit cost ranges from \$17,982/acft/yr to \$10,320/acft/yr (2002 dollars)

- With financing for 30 years, may be able to include cost of installation in home mortgages
- Costs vary by site, but are relatively high in comparison to conventional WMSs. Based upon \$14,213 installed cost and no operating expenses.
- No significant environmental factors
- No anticipated impacts to agricultural and natural resources
- No anticipated impacts to water resources

2011 Region L Water Plan

Plan encourages Rainwater Harvesting:

Plan recognizes that water management strategies such as brush management, weather modification, rainwater harvesting, and small recharge dams contribute positively to storage and system management of diverse sources of supply.

Rainwater Harvesting was encouraged in the Planning Group's Policy Recommendations:

The SCTRWPG encourages the use of rainwater harvesting systems in both commercial and residential new development. The SCTRWPG recommends the TWDB develop programs to educate the public and building industry on the benefits of rainwater harvesting, water re-use and gray water systems. The educational programs should include distribution of materials to the building industry to encourage use of these systems.

Rainwater Harvesting WMS was not updated.

2016 Region L Water Plan

Rainwater Harvesting was encouraged in the Planning Group's Policy Recommendations:

The SCTRWPG encourages the study of the effectiveness of rainwater harvesting systems in both commercial and residential new development. The SCTRWPG recommends the TWDB develop programs to educate the public and building industry on the potential benefits of rainwater harvesting, water re-use, and gray water systems.

Rainwater Harvesting WMS was not updated

**DRAFT NOTICE OF OPEN MEETING OF
THE SOUTH CENTRAL TEXAS
REGIONAL WATER PLANNING GROUP**

TAKE NOTICE that a meeting of the South Central Texas Regional Water Planning Group as established by the Texas Water Development Board will be held on Thursday, August 4, 2016, at 9:30 a.m. at San Antonio Water System (SAWS), Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas. The following subjects will be considered for discussion and/or action at said meeting. Additionally,

1. Public Comment
2. Approval of the Minutes from the May 5, 2016, Meeting of the South Central Texas Regional Water Planning Group (Region L)
3. Elections to Fill Vacancies of South Central Texas Regional Water Planning Group (SCTRWPG) Voting Member Terms Expiring August 2016
4. Status of Edwards Aquifer Habitat Conservation Plan (HCP) – Nathan Pence, Executive Director EAHCP
5. Status of Guadalupe, San Antonio, Mission, and Aransas Rivers and Mission, Copano, Aransas, and San Antonio Bays Basin and Bay Stakeholder Committee (BBASC) and Expert Science Team (BBEST)
6. Rainwater Harvesting Presentations – John Kight, Jack Holmgreen, & Brian Perkins
7. Texas Water Development Board (TWDB) Communications
8. Chair’s Report
9. Discussion and Appropriate Action Regarding Consultant’s Work and Schedule
10. Discussion and Appropriate Action Regarding TWDB Proposed Rule Changes
11. Discussion and Appropriate Action Adopting Guiding Principles on the Following Issues Identified Through the 2021 Plan Enhancement Process
 - a. Appropriateness and Adequacy of How Demand and Need are Determined
 - b. Role of RWPs in Influencing Population Growth and Land Use
 - c. Conflicts of Interests With Respect to Planning Group Members

12. Discussion and Appropriate Action Regarding the Following Components of the 2021 Plan Enhancement Process
 - a. The Role of the Planning Group in Influencing Water Development Plans of Water Suppliers
 - b. The Role of the Planning Group in Influencing Permitting Entities
13. Administrator Update on Interlocal Agreement for Funding SCTRWPG Administrative Costs for the Fifth Cycle of Regional Water Planning
14. Possible Agenda Items for the Next Region L Meeting
 - a. Adoption of Guiding Principles
 - b. 2021 Plan Enhancement Discussion on 1) The Adequacy of Evaluating the Plan's Effects on Freshwater Inflows to San Antonio Bay, 2) The Adequacy of Environmental Assessments of Individual WMS's, and 3) A set of guiding principles to serve as blueprint for long-term sustainability.
 - c. Texas A&M Institute for Renewable Natural Resources Land Trend/ Water Resources Study Presentation
15. Public Comment