

TO: Board Members

THROUGH: Kevin Patteson, Executive Administrator
Les Trobman, General Counsel
Jeff Walker, Deputy Executive Administrator, Water Supply & Infrastructure

FROM: Sarah Backhouse, Planner, Regional Water Planning

DATE: December 4, 2015

SUBJECT: Approval of the 2016 Region P Regional Water Plan

ACTION REQUESTED

Approve the 2016 Regional Water Plan for the Lavaca (Region P) Regional Water Planning Area.

BACKGROUND

In accordance with §16.051 of the Texas Water Code (TWC), the Texas Water Development Board (TWDB) is required to develop and adopt a comprehensive state water plan every five years that incorporates the regional water plans developed and approved in accordance with TWC §16.053. Pursuant to 31 TAC §357.50, regional water planning groups are required to submit their adopted regional water plans to the Board for approval every five years.

In accordance with 31 TAC §357.50, the Board is required to consider approval of submitted regional water plans and may approve a regional water plan (RWP) only after it has determined that the RWP complies with statute and rules including TWC §16.053, 31 TAC Chapters 355, 357, and 358.

In accordance with TWC §16.053, the Board may approve a regional water plan only after it has determined that:

- all interregional conflicts involving the regional water planning area, if any, have been resolved;
- the plan includes water conservation practices and drought management measures; and
- the plan is consistent with long-term protection of the state's water resources, agricultural resources, and natural resources.

Our Mission : **Board Members**

To provide leadership, information, education, and support for planning, financial assistance, and outreach for the conservation and responsible development of water for Texas :
: Bech Bruun, Chairman | Kathleen Jackson, Member
:
: Kevin Patteson, Executive Administrator

The Executive Administrator (EA) has conducted a review of the final adopted Region P Regional Water Plan related to all applicable legal and contractual requirements including related to the following key issues:

1. Determinations of whether the plans were developed according to the general provisions for planning included in statute, rule, and guidance.
2. Determination that there are no interregional conflicts associated with the plan.
3. Determination that environmental planning criteria, including consideration of environmental flow standards adopted by the Texas Commission on Environmental Quality, related to instream and bay and estuary inflows were followed appropriately in evaluations of water management strategies utilizing surface water.
4. Determination that existing and recommended water supplies would be available under a repeat of the historic drought of record.
5. Determination that impacts to agricultural resources were quantified.
6. Determination that cost estimates developed in the plan were prepared in general accordance with the provisions of the contract.
7. Determination that water conservation and drought management was considered as a means to meet all identified water needs.
8. Determination that all comments received by the regional water planning groups on the initially prepared plans from the TWDB have been satisfactorily addressed.
9. Determination that, in aggregate, the plan was found to meet the requirements related to:
 - consideration of a balance of economic, social, and ecological viability as well as consideration of the interests of the state and entities providing water.
 - providing for the orderly development, management, and conservation of water resources and preparation for and response to drought conditions in order that sufficient water will be available at a reasonable cost to ensure public health, safety, and welfare, and further economic development.
10. Determination that the plan is consistent with long-term protection of:
 - state and regional water resources
 - state and regional agricultural resources
 - state and regional natural resources

Summary data of the projected population, existing supplies, demands, needs, and strategy supplies for water user groups in the Region P Regional Water Planning Area are included as Attachment 1. The water management strategy projects recommended in the 2016 Region P Regional Water Plan are included as Attachment 2.

KEY ISSUES

The recommended strategies in the 2016 Region P Regional Water Plan meet all identified water needs in the plan.

The total cost of the recommended projects in the 2016 Region P Regional Water Plan is \$331.9 million.

The EA has verified that the plan was formally adopted on November 17, 2015.

The EA has reviewed the adopted 2016 Region P Regional Water Plan and determined that the plan complies with statute and rules.

The EA has reviewed the Region P Regional Water Plan for interregional conflicts and has found none.

RECOMMENDATION

The Executive Administrator recommends approval of the 2016 Region P Regional Water Plan.

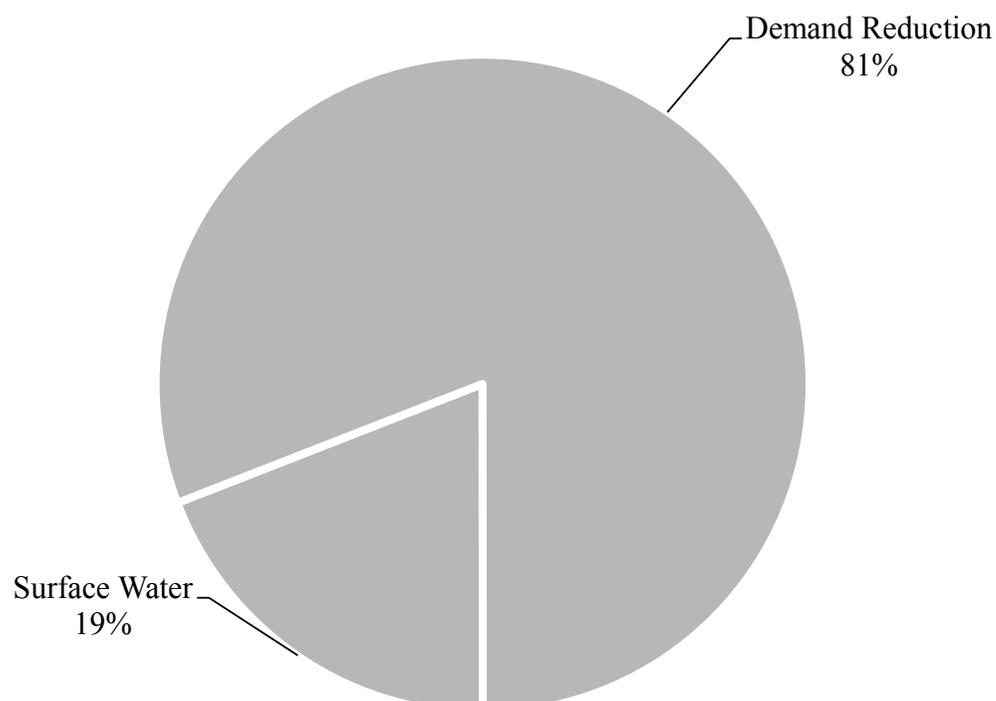
Attachment 1 – Summary of the Water User Groups in the 2016 Region P Regional Water Plan

Attachment 2 – Recommended water management strategy projects

Summary of Water User Groups in the 2016 Region P Regional Water Plan

Year	2020	2030	2040	2050	2060	2070
Population Projections	50,000	52,000	53,000	54,000	55,000	56,000
Existing Water Supply	184,000	184,000	184,000	184,000	184,000	184,000
Municipal	5,000	5,000	5,000	5,000	5,000	6,000
County-Other	3,000	3,000	2,000	3,000	3,000	3,000
Manufacturing	1,000	1,000	1,000	1,000	2,000	2,000
Mining	3,000	2,000	1,000	1,000	600	300
Irrigation	218,000	218,000	218,000	218,000	218,000	218,000
Livestock	4,000	4,000	4,000	4,000	4,000	4,000
Total Water Demands	234,000	233,000	231,000	232,000	232,600	233,300
Municipal	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Irrigation	50,000	50,000	50,000	50,000	50,000	50,000
Livestock	0	0	0	0	0	0
Total Water Needs	50,000	50,000	50,000	50,000	50,000	50,000
Municipal	500	600	800	900	900	1,000
Irrigation	62,000	62,000	62,000	62,000	62,000	62,000
Total Strategy Supplies	62,500	62,600	62,800	62,900	62,900	63,000

Recommended water management strategies by water resource (2070)



Sponsor Region	Sponsor	Recommended Water Management Strategy Project	Capital Cost	Online Decade
P	EL CAMPO	REUSE	\$3,272,000	2020
P	EL CAMPO	MUNICIPAL CONSERVATION - EL CAMPO	\$243,652	2020
P	HALLETTSVILLE	MUNICIPAL CONSERVATION - HALLETTSVILLE	\$62,313	2020
P	IRRIGATION, WHARTON	IRRIGATION CONSERVATION - TAILWATER RECOVERY	\$22,561,000	2020
P	IRRIGATION, WHARTON	IRRIGATION CONSERVATION - ON FARM	\$20,833,000	2020
P	LAVACA NAVIDAD RIVER AUTHORITY	AQUIFER STORAGE AND RECOVERY	\$130,169,000	2020
P	LAVACA NAVIDAD RIVER AUTHORITY	LNRA DESALINATION	\$31,393,000	2020
P	LAVACA NAVIDAD RIVER AUTHORITY	LAVACA OFF-CHANNEL RESERVOIR	\$123,213,000	2020
P	MOULTON	MUNICIPAL CONSERVATION - MOULTON	\$20,750	2020
P	SHINER	MUNICIPAL CONSERVATION - SHINER	\$50,357	2020
P	YOAKUM	MUNICIPAL CONSERVATION - YOAKUM	\$85,984	2020
Total			\$331,904,056	