

Region K Public Meeting

January 11, 2017

Lower Colorado Regional Water Planning Group
(Region K)



AECOM

Agenda



1. Call to Order
2. Welcome and Introductions
3. Attendance Report
4. Discuss term expiration for member representatives and take action as needed
5. Nominating Committee recommendations – discuss and take action
6. Consent Agenda
7. Discuss resignation of Jim Barho
8. Presentation by WaterSmart

Agenda

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9. TWDB Update
 10. Creedmoor-Maha WSC amendment request update – take action as needed

11. Consultant Status Report



- ▼ Starting monthly progress reports to RWPG members

11. Consultant Status Report

Effort since last meeting (October 12th)

- ▼ TWDB sent draft projections methodology for irrigation, manufacturing, and steam-electric demands
 - Methodology was reviewed
 - Population and Demand Committee meeting held to discuss responding comments (December 5, 2016)
 - Comment letter prepared and sent to TWDB (posted on Region K website)
- ▼ TWDB sent draft population, municipal demand, and mining demand projections to the regions
 - Currently reviewing projections and updating WUG addresses for mailouts
- ▼ Additional coordination with TWDB and others

11. Consultant Status Report

Effort since last meeting (October 12th)

▼ Summary of Region K comments on TWDB Projections

Methodology:

1. Concerns regarding using the most recent 5-year water use as the baseline demand for irrigation
2. Questions on how the proposed methodology for projecting irrigation demands in areas with significant groundwater availability decline would be applied
3. Concerns with keeping manufacturing demands constant after 2030
4. Concerns with using “average” year baseline steam-electric demand instead of a “high use” year steam-electric demand.
5. Requested clarity regarding steam-electric projected water use shown in Table 4.5 of the methodology document

11. Consultant Status Report

Other happenings

▼ Grant Application for remaining 5th cycle funding

- Current funding for Region K: \$109,356
 - Additional committed funds: \$313,844
 - Future anticipated appropriations: \$470,765
 - Total 5th cycle funds: \$893,965
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- Grant application is due to TWDB by February 21, 2017
 - Likely that most tasks will be partially or fully funded by the committed funds
 - The Water Management Strategy Evaluation task will require a specific Scope of Work to be written and approved before work can begin

12. Draft Population, Municipal, and Mining Demand Projection Summary and Path Forward

- ▼ Received draft projections for population, municipal demands, and mining demands from TWDB in late December
- ▼ Population number totals by county have not changed from the 2016 Region K Plan numbers.

County	2020	2030	2040	2050	2060	2070
Bastrop	95,487	125,559	164,648	217,608	289,140	384,244
Blanco	13,015	15,475	16,917	17,672	18,175	18,472
Burnet	53,114	64,268	73,673	82,668	90,571	97,426
Colorado	21,884	22,836	23,544	24,582	25,449	26,293
Fayette	28,373	32,384	35,108	37,351	39,119	40,476
Gillespie	26,795	28,852	30,548	32,536	34,365	36,142
Hays (p)	55,584	73,243	94,747	121,629	152,007	186,579
Llano	21,291	22,453	22,422	22,035	22,779	23,549
Matagorda	39,166	41,226	42,548	43,570	44,296	44,815
Mills	4,912	5,076	5,213	5,417	5,625	5,859
San Saba	6,484	6,793	6,833	6,722	6,879	7,039
Travis	1,273,260	1,508,642	1,732,860	1,897,769	2,033,120	2,185,909
Wharton (p)	27,184	28,928	30,322	31,529	32,643	33,629
Williamson (p)	70,678	88,787	102,566	117,404	134,232	152,695
TOTAL	1,737,227	2,064,522	2,381,949	2,658,492	2,928,400	3,243,127

12. Draft Population, Municipal, and Mining Demand Projection Summary and Path Forward

- ▼ Municipal demand totals by county have slight modifications from the 2016 Region K Plan numbers.

2016 Plan Municipal Demands

County	2020	2030	2040	2050	2060	2070
Bastrop	15,732	20,149	26,036	34,163	45,264	60,058
Blanco	1,811	2,094	2,254	2,336	2,398	2,438
Bumet	10,823	13,235	15,538	17,510	19,204	20,601
Colorado	3,689	3,746	3,781	3,902	4,031	4,162
Fayette	4,079	4,511	4,792	5,046	5,274	5,455
Gillespie	4,969	5,225	5,438	5,737	6,043	6,349
Hays (p)	10,548	13,997	18,311	23,849	30,279	37,687
Llano	4,306	4,479	4,436	4,337	4,476	4,625
Matagorda	5,123	5,193	5,202	5,259	5,332	5,394
Mills	754	754	753	775	802	835
San Saba	1,622	1,670	1,657	1,623	1,658	1,696
Travis	227,879	266,070	303,161	331,059	354,312	380,499
Wharton (p)	4,050	4,163	4,255	4,398	4,543	4,678
Williamson (p)	11,175	13,908	16,147	18,594	21,393	24,472
TOTAL	306,560	359,194	411,761	458,588	505,009	558,949

Draft 2021 Plan Municipal Demands

County	2020	2030	2040	2050	2060	2070
BASTROP	15,663	20,040	25,878	33,941	44,960	59,636
BLANCO	1,809	2,092	2,251	2,334	2,398	2,437
BURNET	10,757	13,152	15,447	17,408	19,094	20,482
COLORADO	3,683	3,741	3,776	3,897	4,026	4,158
FAYETTE	4,083	4,517	4,799	5,052	5,279	5,459
GILLESPIE	5,086	5,351	5,572	5,878	6,193	6,506
HAYS	12,086	16,063	20,945	27,166	34,399	42,719
LLANO	5,392	5,567	5,456	5,420	5,467	5,505
MATAGORDA	5,244	5,319	5,331	5,396	5,471	5,534
MILLS	765	766	766	788	816	851
SAN SABA	1,729	1,781	1,771	1,734	1,772	1,812
TRAVIS	224,491	261,701	298,357	325,836	348,635	374,321
WHARTON	4,144	4,260	4,356	4,502	4,650	4,788
WILLIAMSON	11,204	13,948	16,203	18,665	21,479	24,575
TOTAL	306,136	358,298	410,908	458,017	504,639	558,783

12. Draft Population, Municipal, and Mining Demand Projection Summary and Path Forward

- ▼ Emphasis of TWDB effort on population and municipal demand projections involved transition from political boundaries to utility service area boundaries
- ▼ Municipal demands generally utilized the base gallons per capita daily (GPCD) volumes from the 2017 State Water Plan
- ▼ For new water user groups (WUGs), the 2011 or 2014 GPCD volumes were used
- ▼ Regions may request limited changes to the draft projections based on the transition from political boundaries to utility boundaries and on relevant changed conditions that have occurred since the development of the projections used in the 2016 regional water plans

12. Draft Population, Municipal, and Mining Demand Projection Summary and Path Forward

- ▼ Mining demand totals by county have not changed from the 2016 Region K Plan numbers.

RWPG	County	WUG Name	Water Demands 2020	Water Demands 2030	Water Demands 2040	Water Demands 2050	Water Demands 2060	Water Demands 2070
K	BASTROP	MINING	2,884	6,813	7,498	8,263	9,085	9,996
K	BLANCO	MINING	5	5	5	5	5	5
K	BURNET	MINING	4,490	5,412	6,379	7,255	8,263	9,412
K	COLORADO	MINING	5,325	5,378	5,433	5,487	5,542	5,597
K	FAYETTE	MINING	2,526	2,032	1,465	918	359	350
K	GILLESPIE	MINING	4	4	4	4	4	4
K	HAYS	MINING	845	1,075	1,361	1,445	1,654	1,893
K	LLANO	MINING	3	3	3	3	3	3
K	MATAGORDA	MINING	96	100	75	55	35	22
K	MILLS	MINING	4	4	4	4	4	4
K	SAN SABA	MINING	1,088	1,093	944	900	864	838
K	TRAVIS	MINING	3,502	4,108	4,762	5,374	6,046	6,817
K	WHARTON	MINING	71	74	55	41	26	17
K	WILLIAMSON	MINING	5	3	3	3	3	3
K	TOTAL	MINING	20,848	26,104	27,991	29,757	31,893	34,961

12. Draft Population, Municipal, and Mining Demand Projection Summary and Path Forward

- ▼ Path forward for draft projections:
 - Posting draft projections on Region K website for review
 - Sending notices to municipal WUGs letting them know about the draft projections and asking for feedback
 - Send similar notices to each county regarding County-Other and non-municipal demands
 - Coordinate as needed with TWDB regarding municipal WUGs that were requested, but not included in draft projections
 - Work with Population and Demand Committee to evaluate projections and develop any applicable projection revisions to request to TWDB
 - Opportunities for modifying region and county population totals are limited
 - Review applicable 5th cycle public input items for consideration
 - Bring potential revisions to the entire RWPG for review and approval before submitting to TWDB for consideration

12. Draft Population, Municipal, and Mining Demand Projection Summary and Path Forward

Region	County Name	Data Source	2010 Population	2015 Population	OVER- or UNDER- Projected in State Plan	% Difference
K	BASTROP	U.S. Census Bureau	74,171	80,527		
K	BASTROP	State Water Plan 2017	74,171	84,157	OVER	5%
K	BLANCO	U.S. Census Bureau	10,497	11,004		
K	BLANCO	State Water Plan 2017	10,497	11,688	OVER	6%
K	BURNET	U.S. Census Bureau	42,750	45,463		
K	BURNET	State Water Plan 2017	42,750	47,651	OVER	5%
K	COLORADO	U.S. Census Bureau	20,874	20,870		
K	COLORADO	State Water Plan 2017	20,874	21,373	OVER	2%
K	FAYETTE	U.S. Census Bureau	24,554	25,110		
K	FAYETTE	State Water Plan 2017	24,554	26,395	OVER	5%
K	GILLESPIE	U.S. Census Bureau	24,837	25,963		
K	GILLESPIE	State Water Plan 2017	24,837	25,797	UNDER	-1%
K	HAYS	U.S. Census Bureau	36,559	45,316		
K	HAYS	State Water Plan 2017	36,559	45,079	UNDER	-1%
K	LLANO	U.S. Census Bureau	19,301	19,796		
K	LLANO	State Water Plan 2017	19,301	20,272	OVER	2%
K	MATAGORDA	U.S. Census Bureau	36,702	36,770		
K	MATAGORDA	State Water Plan 2017	36,702	37,914	OVER	3%
K	MILLS	U.S. Census Bureau	4,936	4,900		
K	MILLS	State Water Plan 2017	4,936	4,924	OVER	0%
K	SAN SABA	U.S. Census Bureau	6,131	5,901		
K	SAN SABA	State Water Plan 2017	6,131	6,305	OVER	7%
K	TRAVIS	U.S. Census Bureau	1,024,266	1,176,558		
K	TRAVIS	State Water Plan 2017	1,024,266	1,141,997	UNDER	-3%
K	WHARTON	U.S. Census Bureau	25,618	25,745		
K	WHARTON	State Water Plan 2017	25,618	26,389	OVER	3%
K	WILLIAMSON	U.S. Census Bureau	47,237	56,829		
K	WILLIAMSON	State Water Plan 2017	47,237	57,781	OVER	2%
	REGION K	U.S. Census Bureau		1,580,753		
	REGION K	State Water Plan 2017		1,557,722	UNDER	-1.5%

12. Draft Population, Municipal, and Mining Demand Projection Summary and Path Forward

▼ Path forward for draft projections:

– June 2017

- TWDB staff will distribute draft demand projections for:
 - Irrigation
 - Livestock
 - Manufacturing
 - Steam-Electric
- Historical water use data (2010-2015) for municipal WUGs will be also be provided from TWDB

– November 2017

- Anticipated deadline for TWDB to receive projection revision requests

Agenda



13. Committee updates, as needed
14. Agenda items for next meeting
15. New / other business
16. Public comments
17. Adjourn