

NOTICE OF OPEN MEETING OF THE
SOUTH CENTRAL TEXAS
REGIONAL WATER PLANNING
POPULATION AND WATER
DEMANDS WORK GROUP

TAKE NOTICE that a meeting of the Population and Water Demands Work Group, as established by the South Central Texas Regional Water Planning Group (SCTRWPG) will be held on Friday, May 19, 2023, at 10:00 AM both in person and virtually. The in person meeting will be held at the San Antonio River Authority, 100 E. Guenther Street, San Antonio, TX 78204. You can attend virtually on GotoMeeting at <https://meet.goto.com/880912213>. The following subjects will be considered for discussion and/or action at said meeting.

1. Review Released Draft Data from TWDB and Revisions Requested from WUGs
 - a. Population and Municipal Water Demand Projections
2. Discussion and Appropriate Action Regarding Recommendation for Feedback to TWDB

Comments and submissions may be submitted through email to ccastillo@sariverauthority.org. Any written documentation can be sent to Tim Andruss, Chair, South Central Texas Regional Water Planning Group, c/o San Antonio River Authority, Attn: Caye Castillo, 100 E. Guenther Street, San Antonio, TX 78204. Please direct any questions to Caye Castillo at (210) 302-4258.

Agenda Item 1.a:

Review Released Draft Data from TWDB and Revisions Requested from WUGs:

Population and Municipal Water Demand Projections

Plumbing Code Savings Update

Plumbing Code Savings have been revised...resulting in higher demands (ac-ft/yr)

- **Region L Average PC Savings by Decade (GPCD)**

Original

ORIGINAL PC Savings 2030	ORIGINAL PC Savings 2040	ORIGINAL PC Savings 2050	ORIGINAL PC Savings 2060	ORIGINAL PC Savings 2070	ORIGINAL PC Savings 2080
11.97	16.57	18.14	19.00	19.65	20.25

Revised

REVISED PC Savings 2030	REVISED PC Savings 2040	REVISED PC Savings 2050	REVISED PC Savings 2060	REVISED PC Savings 2070	REVISED PC Savings 2080
4.53	5.10	5.10	5.10	5.10	5.10

WUGs have received a spreadsheet with the revised GPCDs and Demands

WUG Requested Revisions (as of 5/15/2023)

WUG Coordination

WUG requested revisions (29)

- Canyon Lake Water Service (NR)
- Castroville
- Cibolo
- Concan WSC
- Cotulla
- County Line SUD
- Cuero
- East Central SUD
- Elmendorf
- Fair Oaks Ranch
- Garden Ridge
- GBRA
- Hondo
- Kendall County WCID 1
- Kyle (NR)
- La Vernia
- Leon Valley
- Live Oak (NR)
- Lockhart
- Martindale WSC
- Maxwell SUD
- Pleasanton (NR)
- Port Lavaca
- San Marcos
- SAWS
- Seguin
- Shavano Park (NR)
- Texas State University
- Uvalde

After further consideration, no revisions requested by WUG (6)

WUG indicated TWDB-provided projections appear reasonable (28)

- 3009 Water Company
- Aqua WSC
- Bexar County WCID 10
- Converse
- El Oso WSC
- EMCSUD
- Falls City
- Gonzales
- Gonzales County WSC
- Green Valley Special Utility District
- Karnes County-Other
- La Coste
- McCoy Water Corp
- Natalia
- Point Comfort
- Poteet
- Schertz
- Smiley
- Stockdale
- Sunko WSC
- The Oaks WSC
- Three Oaks WSC
- Tri-Community Water
- Universal City
- Ville D 'Alsace Water Supply
- Windmill WSC
- Wingert Water Systems
- Yoakum
- Boerne
- Moore WSC
- New Braunfels Utilities
- Selma
- Victoria
- SS WSC

Region L County Populations by Scenario

Region	County	1.0 migration scenario (WUGs projected using this scenario)						0.5 migration scenario					
		2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
L	ATASCOSA	53,324	57,374	61,473	64,960	68,952	73,522	51,727	54,132	56,203	57,491	58,854	60,296
L	BEXAR	2,302,829	2,599,727	2,865,834	3,102,720	3,373,931	3,684,440	2,211,656	2,387,174	2,524,414	2,630,194	2,742,102	2,860,493
L	CALDWELL	53,749	61,689	69,133	76,291	84,486	93,868	50,343	54,283	57,303	59,889	62,625	65,520
L	CALHOUN	18,515	16,791	14,926	13,162	11,142	8,829	19,449	18,619	17,599	16,571	15,483	14,332
L	COMAL	226,709	315,640	434,242	584,380	756,273	953,073	190,748	222,521	256,086	290,856	327,640	366,555
L	DEWITT	19,717	19,552	19,234	18,759	18,215	17,592	19,716	19,687	19,565	19,482	19,394	19,301
L	DIMMIT	7,341	6,303	5,340	4,484	3,504	2,382	8,175	7,818	7,383	6,983	6,560	6,112
L	FRIIO	19,512	20,540	21,269	21,643	22,071	22,561	19,446	20,379	21,083	21,592	22,130	22,699
L	GOLIAD	6,803	6,648	6,559	6,454	6,334	6,197	6,769	6,592	6,394	6,264	6,126	5,980
L	GONZALES	19,204	18,674	17,796	16,865	15,799	14,579	19,716	19,697	19,399	19,064	18,710	18,335
L	GUADALUPE	216,582	268,305	326,154	387,211	457,115	537,148	195,808	219,232	241,021	259,920	279,914	301,066
L	HAYS	260,714	376,095	528,035	734,262	970,372	1,240,694	221,648	271,336	322,357	379,538	440,032	504,031
L	KARNES	15,357	16,052	16,739	17,527	18,429	19,462	15,206	15,722	16,182	16,751	17,353	17,990
L	KENDALL	56,306	70,896	89,665	111,448	136,387	164,940	49,191	54,496	60,143	65,422	71,007	76,916
L	LA SALLE	6,645	6,586	6,319	5,926	5,476	4,961	6,723	6,766	6,690	6,529	6,359	6,179
L	MEDINA	54,536	57,772	60,148	61,719	63,518	65,578	52,700	54,147	54,761	54,852	54,948	55,050
L	REFUGIO	6,283	5,820	5,352	4,897	4,376	3,780	6,489	6,243	5,992	5,799	5,595	5,379
L	UVALDE	22,571	20,698	18,741	16,822	14,625	12,110	24,095	23,623	22,929	22,142	21,309	20,428
L	VICTORIA	93,954	96,082	96,608	96,168	95,664	95,087	93,984	95,975	96,635	96,664	96,695	96,728
L	WILSON	55,858	61,941	67,968	73,304	79,413	86,407	52,712	55,297	57,252	58,451	59,719	61,060
L	ZAVALA	8,595	7,590	6,649	5,747	4,714	3,531	9,480	9,232	8,858	8,472	8,064	7,632
Region L Total		3,525,104	4,110,775	4,738,184	5,424,749	6,210,796	7,110,741	3,325,781	3,622,971	3,878,249	4,102,926	4,340,619	4,592,082

0.5 scenario is higher than 1.0

Counties with requested changes (13)

Counties with no changes (8)

Atascosa	Hays
Bexar	Kendall
Caldwell	La Salle
Calhoun	Medina
Comal	Uvalde
De Witt	Wilson
Guadalupe	

Dimmit	Refugio
Frio	Victoria
Goliad	Zavala
Gonzales	
Karnes	

Atascosa County

Recommend utilizing the 1.0 migration scenario

ATASCOSA COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	53,324	57,374	61,473	64,960	68,952	73,522
0.5 migration scenario	51,727	54,132	56,203	57,491	58,854	60,296

- No response from WUG
 - ✓ WUG indicated draft projections appear reasonable
 - WUG requested revision
 - After further consideration, no revisions requested by WUG
- Benton City WSC
 - Charlotte
 - County-Other, Atascosa
 - ✓ El Oso WSC*
 - Jourdanton
 - Lytle*
 - ✓ McCoy WSC*
 - Pleasanton (NR)
 - ✓ Poteet
 - San Antonio Water System*

* WUG split between other counties

Atascosa County Requested Population Changes

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	53,324	57,374	61,473	64,960	68,952	73,522
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Benton City WSC	14,426	16,133	17,752	18,851	20,120	21,580
Charlotte	1,235	1,127	1,054	1,084	1,114	1,145
County-Other, Atascosa	2,826	3,207	3,558	3,144	2,866	2,634
El Oso WSC*	106	128	148	158	170	185
Jourdanton	4,958	5,239	5,540	5,840	6,182	6,572
Lytle*	2,696	2,851	3,017	3,180	3,366	3,579
McCoy WSC*	7,741	8,082	8,470	8,913	9,417	9,989
Pleasanton (NR)	10,473	11,498	12,623	13,858	15,214	16,703
Poteet	2,734	2,447	2,244	2,297	2,351	2,403
San Antonio Water System*	4,870	6,258	6,644	7,189	7,684	8,158
Population with Revisions (1.0)	52,065	56,970	61,050	64,514	68,484	72,948

San Antonio Water System*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	6,129	6,662	7,067	7,635	8,152	8,732
Demand (ac-ft/yr)	785	849	901	973	1,039	1,113
GPCD	114.4	113.8	113.8	113.8	113.8	113.8
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	4,870	6,258	6,644	7,189	7,684	8,158
Demand (ac-ft/yr)	556	682	703	738	764	799
GPCD	102	97.3	94.5	91.6	88.8	87.4

- San Antonio Water System is split between Atascosa County, Bexar County, Comal County, and Medina County
- Numbers based on Draft 2023 Water Management Plan – extrapolated for 2080, since SAWS numbers only go through 2075 (GPCD was kept the same as 2075)
- Request is a small decrease in population from the draft projections, along with a reduction in GPCD that results in a decreased municipal demand

Bexar County

Recommend utilizing the 1.0 migration scenario

BEXAR COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	2,302,829	2,599,727	2,865,834	3,102,720	3,373,931	3,684,440
0.5 migration scenario	2,211,656	2,387,174	2,524,414	2,630,194	2,742,102	2,860,493

- No response from WUG
- ✓ WUG indicated draft projections appear reasonable
- WUG requested revision
- After further consideration, no revisions requested by WUG

- Air Force Village II Inc
- Alamo Heights
- Atascosa Rural WSC
- ✓ Bexar County WCID 10
- ✓ Converse
- County-Other, Bexar
- East Central SUD*
- Elmendorf
- Fair Oaks Ranch*
- Fort Sam Houston
- ✓ Green Valley SUD*
- Kirby
- ✓ La Coste*

- Lackland Air Force Base
- Leon Valley
- Live Oak (NR)
- Lytle*
- Oak Hills WSC*
- Randolph Air Force Base
- San Antonio Water System*
- ✓ Schertz*
- Selma*
- Shavano Park (NR)
- ✓ The Oaks WSC
- ✓ Universal City*
- Water Services*

* WUG split between other counties

Bexar County Requested Population Changes (1 of 2)

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	2,302,829	2,599,727	2,865,834	3,102,720	3,373,931	3,684,440
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Air Force Village II Inc	536	536	536	536	536	536
Alamo Heights	7,806	8,334	8,400	8,400	8,400	8,400
Atascosa Rural WSC	13,378	15,582	17,558	19,278	21,252	23,517
Bexar County WCID 10	6,201	7,001	7,717	8,355	9,086	9,922
Converse	28,362	28,398	28,398	28,398	28,398	28,398
County-Other, Bexar	2,993	5,663	8,885	11,563	14,255	16,879
East Central SUD*	45,458	TBD	TBD	TBD	TBD	TBD
Elmendorf	4,013	5,382	7,210	9,683	12,059	16,657
Fair Oaks Ranch*	5,506	6,117	6,422	6,544	6,575	6,575
Fort Sam Houston	8,270	8,270	8,270	8,270	8,270	8,270
Green Valley SUD*	1,776	2,164	2,511	2,808	3,149	3,541
Kirby	8,962	10,140	10,365	10,365	10,365	10,365
La Coste*	17	19	21	22	24	27
Population with Revisions (1.0)	2,555,992	TBD	TBD	TBD	TBD	TBD

Bexar County Requested Population Changes (2 of 2)

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	2,302,829	2,599,727	2,865,834	3,102,720	3,373,931	3,684,440
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Lackland Air Force Base	14,048	14,048	14,048	14,048	14,048	14,048
Leon Valley	15,085	18,291	18,291	18,291	18,291	18,291
Live Oak (NR)	9,829	9,829	9,829	9,829	9,829	9,829
Lytle*	253	285	314	340	368	402
Oak Hills WSC*	40	55	76	105	145	200
Randolph Air Force Base	1,280	1,280	1,280	1,280	1,280	1,280
San Antonio Water System*	2,335,011	2,705,024	2,956,736	3,187,948	3,398,888	3,623,785
Schertz*	9,641	13,665	17,272	20,265	23,714	27,687
Selma*	10,477	13,541	16,288	18,599	21,258	24,318
Shavano Park (NR)	1,804	2,041	2,252	2,441	2,656	2,903
The Oaks WSC	1,277	1,445	1,595	1,729	1,881	2,057
Universal City*	20,327	21,357	21,702	21,702	21,702	21,702
Water Services*	3,642	4,119	4,547	4,928	5,364	5,863
Population with Revisions (1.0)	2,555,992	TBD	TBD	TBD	TBD	TBD

East Central SUD*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	14,624	16,542	18,261	19,789	21,538	23,540
Demand (ac-ft/yr)	2,005	2,258	2,492	2,701	2,939	3,213
GPCD	122.4	121.8	121.8	121.8	121.8	121.8
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	45,458	TBD	TBD	TBD	TBD	TBD
Demand (ac-ft/yr)	6,233	TBD	TBD	TBD	TBD	TBD
GPCD	122.4	121.8	121.8	121.8	121.8	121.8

- East Central SUD is split between Bexar County, Guadalupe County, and Wilson County. Changes are only requested for Bexar County.
- Requesting an increase to population in Bexar County, based on 2023 population of 23,274. From 2016-2019, growth rate was 4% per year. From 2020-2022, growth rate was 12% per year. District expects growth to continue for 5-10 years due to application for a sewer CCN and developer service agreements for 14,332 additional connections.
- Need to identify growth pattern after 2030. Have asked WUG for input.

Elmendorf

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	3,097	3,308	3,496	3,678	3,885	4,121
Demand (ac-ft/yr)	436	463	490	515	544	577
GPCD	125.6	125	125	125	125	125
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	4,013	5,382	7,210	9,683	12,059	16,657
Demand (ac-ft/yr)	565	754	1,010	1,356	1,689	2,332
GPCD	125.6	125	125	125	125	125

- Elmendorf requested a change to their population citing historical growth and projected population from their engineering feasibility report, which was provided as supporting documentation.
- Full build out is anticipated by 2100 based upon the 2.98% annual growth rate.

Fair Oaks Ranch*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	5,921	6,794	7,576	8,264	9,053	9,956
Demand (ac-ft/yr)	1,543	1,767	1,971	2,150	2,355	2,590
GPCD	232.6	232.2	232.2	232.2	232.2	232.2
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	5,506	6,117	6,422	6,544	6,575	6,575
Demand (ac-ft/yr)	1,435	1,591	1,670	1,702	1,710	1,710
GPCD	232.6	232.2	232.2	232.2	232.2	232.2

- Fair Oaks Ranch is split between Bexar County, Comal County, and Kendall County
- Requested a decrease to population in Bexar County, based on number of remaining water connections to buildout and using 2.65 persons per connection. Fair Oaks Ranch is landlocked.
- Request is a decrease to population, resulting in a decrease to the municipal demand through all decades. No change to GPCD.

Leon Valley

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	15,085	18,291	22,178	26,891	32,606	39,536
Demand (ac-ft/yr)	2,506	3,026	3,669	4,449	5,395	6,541
GPCD	148	148	148	148	148	148
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	15,085	18,291	18,291	18,291	18,291	18,291
Demand (ac-ft/yr)	1,860	2,255	2,255	2,255	2,255	2,255
GPCD	110	110	110	110	110	110

- Leon Valley Requested a revision to their projected population
 - Leon Valley is land limited with about 60 acres of developable vacant land left.
 - The City is 3.5 square miles and is mostly developed.
 - Full build out is estimated to be about 18,000 persons and a water demand of about 2,000 acre-feet.
- Leon Valley requested a revision to their gpcd to reflect their current gpcd of 110.

San Antonio Water System*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	2,113,183	2,387,020	2,632,459	2,850,837	3,100,869	3,387,143
Demand (ac-ft/yr)	270,769	304,279	335,566	363,403	395,275	431,767
GPCD	114.4	113.8	113.8	113.8	113.8	113.8
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	2,335,011	2,705,024	2,956,736	3,187,948	3,398,888	3,623,785
Demand (ac-ft/yr)	266,834	294,850	312,906	327,260	338,130	354,771
GPCD	102	97.3	94.5	91.6	88.8	87.4

- San Antonio Water System is split between Atascosa County, Bexar County, Comal County, and Medina County
- Numbers based on Draft 2023 Water Management Plan – extrapolated for 2080, since SAWS numbers only go through 2075 (GPCD was kept the same as 2075)
- Request is a significant increase to population and a reduction in GPCD that results in a decrease to the municipal demand.
- Need to coordinate with TWDB staff regarding options for increasing Bexar County population

Caldwell County

Recommend utilizing the 1.0 migration scenario

CALDWELL COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	53,749	61,689	69,133	76,291	84,486	93,868
0.5 migration scenario	50,343	54,283	57,303	59,889	62,625	65,520

- No response from WUG
- ✓ WUG indicated draft projections appear reasonable
- WUG requested revision
- After further consideration, no revisions requested by WUG

- ✓ Aqua WSC*
- County Line SUD*
 - County-Other, Caldwell
 - Creedmoor-Maha WSC*
 - Goforth SUD*
- ✓ Gonzales County WSC*
- Lockhart
 - Luling*
- Martindale WSC*
- Maxwell SUD*
- Polonia WSC
- San Marcos*
- ✓ Tri Community WSC*

* WUG split between other counties

Caldwell County Requested Population Changes

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	53,749	61,689	69,133	76,291	84,486	93,868
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Aqua WSC	1,143	1,319	1,485	1,643	1,825	2,032
County Line SUD*	2,627	3,923	4,830	4,840	4,521	4,143
County-Other, Caldwell	8,135	10,036	10,993	11,010	10,985	10,908
Creedmoor-Maha WSC*	2,469	2,958	3,416	3,846	4,340	4,908
Goforth SUD*	769	920	1,061	1,193	1,346	1,522
Gonzales County WSC*	144	143	141	143	145	145
Lockhart	21,276	23,217	25,158	27,099	29,040	30,977
Luling*	5,602	5,747	5,888	6,085	6,296	6,525
Martindale WSC*	3,897	5,125	5,540	6,001	6,512	7,076
Maxwell SUD*	9,631	11,048	12,632	14,277	16,714	16,494
Polonia WSC	8,545	10,119	11,982	14,188	16,801	19,895
San Marcos*	TBD	TBD	TBD	TBD	TBD	TBD
Tri Community WSC*	1,368	1,416	1,463	1,521	1,585	1,655
Population with Revisions (1.0)	65,606	75,971	84,589	91,846	100,110	106,280

County Line SUD*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	1,347	1,555	1,750	1,937	2,151	2,396
Demand (ac-ft/yr)	91	105	118	130	145	161
GPCD	60	60	60	60	60	60
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	2,627	3,923	4,830	4,840	4,521	4,143
Demand (ac-ft/yr)	235	352	433	434	405	371
GPCD	80	80	80	80	80	80

- County Line SUD is split between Caldwell County and Hays County. Majority is in Hays County.
- Increase in population projection is based on planned development.
 - 1,730 reserve LUEs for developments that have paid impact fees and are mostly in construction.
 - Have received additional service requests received totaling over 20,000 LUEs (not including current active and reserve connections)
- The revision request for the GPCD is based on the historical average of 80 GPCD.

Lockhart

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	16,563	18,772	21,276	24,114	27,331	30,977
Demand (ac-ft/yr)	2,310	2,607	2,955	3,349	3,796	4,303
GPCD	124.5	124.0	124.0	124.0	124.0	124.0
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	21,276	23,217	25,158	27,099	29,040	30,977
Demand (ac-ft/yr)	2,967	3,225	3,494	3,764	4,034	4,303
GPCD	124.5	124.0	124.0	124.0	124.0	124.0

- Lockhart requested increased population growth up to 2030 (4.25% per year), based on a provided FNI road impact fee study.
- Kept 2080 population the same and adjusted population backwards for the in between decades
- No changes to GPCD; increase to municipal demands for 2030-2070 based on increased population

Martindale WSC*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	2,458	2,838	3,193	3,534	3,925	4,371
Demand (ac-ft/yr)	252	290	326	361	401	446
GPCD	91.62	91.19	91.19	91.19	91.19	91.19
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	3,897	5,125	5,540	6,001	6,512	7,076
Demand (ac-ft/yr)	400	524	566	613	666	723
GPCD	91.62	91.19	91.19	91.19	91.19	91.19

- Martindale WSC is split between Caldwell County and Guadalupe County
- Currently has 1,069 connections which serve a total population of 3,176 - which is above the draft 2030 projections.
- There are also several service connections inquiries that may go to contract.

Maxwell SUD*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	4,289	4,949	5,568	6,160	6,839	7,617
Demand (ac-ft/yr)	421	484	545	603	669	745
GPCD	87.7	87.4	87.4	87.4	87.4	87.4
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	9,631	11,048	12,632	14,277	16,714	16,494
Demand (ac-ft/yr)	1,069	1,226	1,402	1,584	1,855	1,830
GPCD	99	99	99	99	99	99

- Maxwell SUD is split between Caldwell County and Hays County.
- Maxwell has contracted subdivisions to add an additional 7,700 connections to come on board as fast as the economy will let them.
 - There are another 10,000+ LUE in water service requests, but contracts have not been signed to date

San Marcos*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	917	917	917	917	917	917
Demand (ac-ft/yr)	137	136	136	136	136	136
GPCD	133.3	132.9	132.9	132.9	132.9	132.9
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	TBD	TBD	TBD	TBD	TBD	TBD
Demand (ac-ft/yr)	TBD	TBD	TBD	TBD	TBD	TBD
GPCD	109.5	107	104.5	103.2	102	102

- San Marcos is split between Caldwell County and Hays County. May expand into Comal/Guadalupe.
- San Marcos has requested changes to population and GPCD based on recently faster historical growth and the large percentage of connections that are multi-family. Later decades show slowing of growth with revisions smaller than draft population projections.
- Currently unclear how much of growth should be shown in Caldwell County, so applying all to Hays County for now.
- Need to meet with TWDB staff to discuss.

Calhoun County

Migration scenario recommendation pending.

CALHOUN COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	18,515	16,791	14,926	13,162	11,142	8,829
0.5 migration scenario	19,449	18,619	17,599	16,571	15,483	14,332

- No response from WUG
- ✓ WUG indicated draft projections appear reasonable
- WUG requested revision
- After further consideration, no revisions requested by WUG
- County-Other, Calhoun
 - Guadalupe-Blanco River Authority
 - ✓ Point Comfort
 - Port Lavaca
- Port Oconnor Improvement District
- Seadrift

* WUG split between other counties

Calhoun County Requested Population Changes

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	18,515	16,791	14,926	13,162	11,142	8,829
DRAFT Population (0.5)	19,449	18,619	17,599	16,571	15,483	14,332
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
County-Other, Calhoun	2,289	2,073	1,841	1,622	1,370	1,082
Guadalupe-Blanco River Authority*	3,669	3,326	2,956	2,605	2,202	1,743
Point Comfort	529	479	425	375	316	250
Port Lavaca	TBD	TBD	TBD	TBD	TBD	TBD
Port Oconnor Improvement District	799	725	643	566	478	377
Seadrift	862	780	692	609	514	406
Population with Revisions (1.0)	TBD	TBD	TBD	TBD	TBD	TBD

Guadalupe-Blanco River Authority*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	3,669	3,326	2,956	2,605	2,202	1,743
Demand (ac-ft/yr)	282	254	226	199	168	133
GPCD	68.7	68.2	68.2	68.2	68.2	68.2
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	3,669	3,326	2,956	2,605	2,202	1,743
Demand (ac-ft/yr)	582	526	468	412	348	276
GPCD	141.7	141.2	141.2	141.2	141.2	141.2

- GBRA is split between Calhoun County, Comal County, and Kendall County
- No requested change to population in Calhoun County. Change to GPCD based on actual water use averaged over developments in all three counties served. Spreadsheet provided by GBRA.
- Request is no change to population, but an increase in GPCD that results in an increased municipal demand through all decades.

Port Lavaca

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	10,367	9,408	8,369	7,385	6,262	4,971
Demand (ac-ft/yr)	1,409	1,273	1,132	999	847	672
GPCD	121.4	120.7	120.7	120.7	120.7	120.7
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	TBD	TBD	TBD	TBD	TBD	TBD
Demand (ac-ft/yr)	TBD	TBD	TBD	TBD	TBD	TBD
GPCD	121.4	120.7	120.7	120.7	120.7	120.7

- Port Lavaca is preparing for growth – “We are currently working with several corporate entities in final stages of the site selection process that are negotiating expansions or relocations in and around the City of Port Lavaca.” Two projects in particular are anticipated to add 656 new residents to Calhoun County.
- TWDB-approved supporting documentation not yet provided; however, utilizing the 0.5 migration scenario would lessen population decline.

Comal County

Recommend utilizing the 1.0 migration scenario

COMAL COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	226,709	315,640	434,242	584,380	756,273	953,073
0.5 migration scenario	190,748	222,521	256,086	290,856	327,640	366,555

- No response from WUG
 - ✓ WUG indicated draft projections appear reasonable
 - WUG requested revision
 - After further consideration, no revisions requested by WUG
- Canyon Lake Water Service (NR)
 - Clear Water Estates Water System
 - County-Other, Comal
 - Crystal Clear SUD*
 - Fair Oaks Ranch*
 - Garden Ridge
 - ✓ Green Valley SUD*
 - Guadalupe-Blanco River Authority*
 - KT Water Development
 - New Braunfels*
- San Antonio Water System*
 - ✓ Schertz*
 - Selma*
 - Water Services*
 - Wingert Water Systems

* WUG split between other counties

Comal County Requested Population Changes

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	226,709	315,640	434,242	584,380	756,273	953,073
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
3009 Water	1,465	1,877	2,425	3,119	3,915	4,827
Canyon Lake Water Service (NR)	59,783	86,530	122,210	167,351	219,030	278,197
Clear Water Estates Water System	898	1,253	1,725	2,325	3,010	3,795
County-Other, Comal	32,072	37,161	44,021	53,158	63,739	76,091
Crystal Clear SUD*	3,794	6,004	8,953	12,681	16,948	21,834
Fair Oaks Ranch*	1,893	2,259	2,442	2,515	2,533	2,533
Garden Ridge	6,049	7,152	8,522	10,100	11,972	14,191
Green Valley SUD*	1,315	1,956	2,811	3,893	5,131	6,549
Guadalupe-Blanco River Authority*	3,500	3,500	3,500	3,500	3,500	3,500
KT Water Development	2,652	4,105	6,045	8,498	11,306	14,521
New Braunfels*	103,841	147,327	205,331	278,735	362,773	458,988
San Antonio Water System*	1,708	1,896	2,077	2,242	2,394	2,394
Schertz*	1,371	1,912	2,634	3,549	4,595	5,793
Selma*	633	1,098	1,718	2,502	3,399	4,426
Water Services*	1,620	1,609	1,592	1,576	1,558	1,538
Wingert Water Systems	1,638	1,847	2,126	2,178	2,178	2,178
Population with Revisions (1.0)	224,232	307,486	418,132	557,922	717,981	901,355

Fair Oaks Ranch*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	2,590	4,301	6,585	9,470	12,773	16,554
Demand (ac-ft/yr)	675	1,119	1,713	2,463	3,323	4,306
GPCD	232.6	232.2	232.2	232.2	232.2	232.2
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	1,893	2,259	2,442	2,515	2,533	2,533
Demand (ac-ft/yr)	493	588	635	654	659	659
GPCD	232.6	232.2	232.2	232.2	232.2	232.2

- Fair Oaks Ranch is split between Bexar County, Comal County, and Kendall County
- Requested a decrease to population in Comal County, based on number of remaining water connections to buildout and using 2.65 persons per connection. Fair Oaks Ranch is landlocked.
- Request is a decrease to population, resulting in a decrease to the municipal demand through all decades. No change to GPCD.

Garden Ridge

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	5,786	8,068	11,111	14,963	19,374	24,423
Demand (ac-ft/yr)	2,013	2,803	3,860	5,199	6,731	8,486
GPCD	310.6	310.2	310.2	310.2	310.2	310.2
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	6,049	7,152	8,522*	10,100*	11,972*	14,191*
Demand (ac-ft/yr)	2,105	2,485	2,961	3,509	4,160	4,931
GPCD	310.6	310.2	310.2	310.2	310.2	310.2

- Garden Ridge responded its current permanent population is 5,085 with 1,698 connections, and per its Water Master Plan, is growing at 1.7% annually through 2040.
- Awaiting full 2023 addendum to Water Master Plan.
- **Estimated changes based on 1.7% growth projected to 2080.*

Guadalupe-Blanco River Authority*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	4,857	7,941	12,057	17,258	23,212	30,027
Demand (ac-ft/yr)	374	607	922	1,319	1,774	2,295
GPCD	68.7	68.2	68.2	68.2	68.2	68.2
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	3,500	3,500	3,500	3,500	3,500	3,500
Demand (ac-ft/yr)	555	554	554	554	554	554
GPCD	141.7	141.2	141.2	141.2	141.2	141.2

- GBRA is split between Calhoun County, Comal County, and Kendall County
- Requested change to population based on expected buildout for developments in Comal County. Change to GPCD based on actual water use averaged over developments in all three counties served. Spreadsheet provided by GBRA.
- Request is decrease to population that is more significant each decade, and an increase in GPCD that results in an initial increase to municipal demand that levels out to become less than the draft projected demand in 2040-2080.

San Antonio Water System*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	2,394	2,651	2,898	3,124	3,332	3,332
Demand (ac-ft/yr)	307	338	369	398	425	425
GPCD	114.4	113.8	113.8	113.8	113.8	113.8
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	1,708	1,896	2,077	2,242	2,394	2,394
Demand (ac-ft/yr)	195	207	220	230	238	234
GPCD	102	97.3	94.5	91.6	88.8	87.4

- San Antonio Water System is split between Atascosa County, Bexar County, Comal County, and Medina County
- Numbers based on Draft 2023 Water Management Plan – extrapolated for 2080, since SAWS numbers only go through 2075 (GPCD was kept the same as 2075)
- Request is a small decrease in population from the draft projections, along with a reduction in GPCD that results in a decreased municipal demand

De Witt County

Migration scenario recommendation pending.

DE WITT COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	19,717	19,552	19,234	18,759	18,215	17,592
0.5 migration scenario	19,716	19,687	19,565	19,482	19,394	19,301

- No response from WUG
- ✓ WUG indicated draft projections appear reasonable
- WUG requested revision
- After further consideration, no revisions requested by WUG
- County-Other, De Witt
- Cuero
- ✓ Gonzales County WSC*
- ✓ Yoakum*
- Yorktown

* WUG split between other counties

De Witt County Requested Population Changes

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	19,717	19,552	19,234	18,759	18,215	17,592
DRAFT Population (0.5)	19,716	19,687	19,565	19,482	19,394	19,301
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
County-Other, De Witt	7,226	7,163	7,044	6,867	6,663	6,429
Cuero	TBD	TBD	TBD	TBD	TBD	TBD
Gonzales County WSC*	200	198	195	189	185	177
Yoakum	2,019	2,002	1,970	1,921	1,865	1,802
Yorktown	1,826	1,811	1,781	1,736	1,684	1,626
Population with Revisions (1.0)	TBD	TBD	TBD	TBD	TBD	TBD

Cuero

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	8,446	8,378	8,244	8,046	7,818	7,558
Demand (ac-ft/yr)	2,208	2,185	2,150	2,099	2,039	1,971
GPCD	233.4	232.9	232.9	232.9	232.9	232.9
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	TBD	TBD	TBD	TBD	TBD	TBD
Demand (ac-ft/yr)	TBD	TBD	TBD	TBD	TBD	TBD
GPCD	TBD	TBD	TBD	TBD	TBD	TBD

- Population projections appear low currently and into the future; no specific population requested.
- TCEQ counts Cuero’s 1,300 bed TDCJ Prison as 1,300 customers served; this is counted in 2020 Census Group Quarter population.
- Supporting documentation not yet provided.

Guadalupe County

Recommend utilizing the 1.0 migration scenario

GUADALUPE COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	216,582	268,305	326,154	387,211	457,115	537,148
0.5 migration scenario	195,808	219,232	241,021	259,920	279,914	301,066

- No response from WUG
- ✓ WUG indicated draft projections appear reasonable
- WUG requested revision
- After further consideration, no revisions requested by WUG

- Cibolo
 - County-Other, Guadalupe
 - Crystal Clear SUD*
 - ✓ East Central SUD*
 - ✓ Gonzales County WSC*
 - ✓ Green Valley SUD*
 - Marion
 - Martindale WSC*

- New Braunfels*
- ✓ Schertz*
- Seguin
 - Selma*
 - Springs Hill WSC*
 - ✓ Tri Community WSC*
 - ✓ Universal City*
 - Water Services*

* WUG split between other counties

Guadalupe County Requested Population Changes

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	216,582	268,305	326,154	387,211	457,115	537,148
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Cibolo	29,000	TBD	TBD	TBD	TBD	TBD
County-Other, Guadalupe	1,918	3,282	4,799	6,396	8,224	10,310
Crystal Clear SUD*	11,570	12,276	13,059	13,894	14,856	15,961
East Central SUD*	1,417	1,719	2,057	2,414	2,822	3,291
Gonzales County WSC*	125	160	200	241	288	343
Green Valley SUD*	43,357	57,981	74,353	91,615	111,365	133,969
Marion	1,471	1,546	1,631	1,721	1,825	1,945
Martindale WSC*	557	861	1,072	1,303	1,556	1,836
New Braunfels*	36,517	52,564	70,539	89,478	111,139	135,926
Schertz*	40,008	46,563	53,883	61,623	70,494	80,655
Seguin	50,517	59,570	63,909	66,466	69,091	71,790
Selma*	5,251	5,251	5,251	5,251	5,251	5,251
Springs Hill WSC* (subtract 5.4%)	27,205	32,685	38,810	45,279	52,689	61,175
Tri Community WSC*	28	31	34	37	40	44
Universal City*	198	252	312	376	449	532
Water Services*	201	179	160	143	129	115
Population with Revisions (1.0)	250,893	TBD	TBD	TBD	TBD	TBD

Cibolo

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	21,098	25,606	30,645	35,967	42,061	49,040
Demand (ac-ft/yr)	2,096	2,527	3,024	3,549	4,151	4,839
GPCD	88.7	88.1	88.1	88.1	88.1	88.1
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	29,000	TBD	TBD	TBD	TBD	TBD
Demand (ac-ft/yr)	2,881	TBD	TBD	TBD	TBD	TBD
GPCD	88.7	88.1	88.1	88.1	88.1	88.1

- “The City of Cibolo continues to grow at an accelerated rate, as it has over the past 20 years. As of today (5/2/23) we have 6,150 residential water meters in service. The average family size in Cibolo is 3.65 persons per household (based on SCUCISD demographer data). This would give us a calculated population of 22,488 being served by City of Cibolo water.”
- “With the total residential lots available for development in our service area over the next 7 years, we would expect our total residential meter count to rise by 1,625, which would add an estimated 5,940 residents to our current population – meaning we would be at 29,000 residents served by Cibolo water by 2030.”

Martindale WSC*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	351	477	618	767	938	1,134
Demand (ac-ft/yr)	36	49	63	78	96	116
GPCD	91.62	91.19	91.19	91.19	91.19	91.19
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	557	861	1,072	1,303	1,556	1,836
Demand (ac-ft/yr)	57	88	110	133	159	188
GPCD	91.62	91.19	91.19	91.19	91.19	91.19

- Martindale WSC is split between Caldwell and Guadalupe County
- Currently has 1,069 connections which serve a total population of 3,176 - which is above the draft 2030 projections.
- There are also several service inquires that may go to contract.

Seguin

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	24,314	25,867	27,588	29,424	31,537	33,965
Demand (ac-ft/yr)	3,660	3,877	4,135	4,411	4,727	5,091
GPCD	134.4	133.8	133.8	133.8	133.8	133.8
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	50,517	59,570	63,909	66,466	69,091	71,790
Demand (ac-ft/yr)	7,605	8,928	9,578	9,962	10,355	10,760
GPCD	134.4	133.8	133.8	133.8	133.8	133.8

- “Seguin is experiencing rapid growth due to a combination of factors to include, the acquisition of a significant portion of CCN from Springs Hill WSC and planned developments within the existing and future CCN.” Their CCN will approximately double in size.
- “These projections are based on an average annual growth rate of 12.38% for single-family connections through 2026 as the new service area is acquired. After 2026, the annual growth rate is reduced to 7.11% and gradually declines to 0.93% in 2040. By 2050, the annual growth rate is projected to decline further to 0.27% where it remains steady for the remainder of the projection period.”
- Provided details on planned single and multi-family developments with numbers of units by year.
- Need to identify how much population to remove from Springs Hill WSC. (Land percentage is 5.4% - 9800 acres)

Hays County

Recommend utilizing the 1.0 migration scenario

HAYS COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	260,714	376,095	528,035	734,262	970,372	1,240,694
0.5 migration scenario	221,648	271,336	322,357	379,538	440,032	504,031

- No response from WUG
 - ✓ WUG indicated draft projections appear reasonable
 - WUG requested revision
 - After further consideration, no revisions requested by WUG
- County Line SUD*
 - County-Other, Hays
 - Creedmoor-Maha WSC*
 - Crystal Clear SUD*
 - Goforth SUD*
 - Kyle (NR)
 - Maxwell SUD*
 - San Marcos*
 - South Buda WCID 1
 - Texas State University
 - Wimberley WSC

* WUG split between other counties

Hays County Requested Population Changes

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	260,714	376,095	528,035	734,262	970,372	1,240,694
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
County Line SUD*	34,873	71,077	115,170	150,160	170,479	181,857
County-Other, Hays	36,565	46,580	64,081	119,048	181,982	254,026
Creedmoor-Maha WSC*	54	54	54	54	54	54
Crystal Clear SUD*	1,978	1,846	1,721	1,611	1,511	1,418
Goforth SUD*	41,415	65,951	98,260	142,035	192,136	249,490
Kyle	48,321	69,054	92,000	92,000	92,000	92,000
Maxwell SUD*	10,915	16,564	24,478	35,595	50,312	57,543
San Marcos*	141,830	199,786	246,158	280,361	302,406	316,607
South Buda WCID 1	4,066	6,633	10,014	14,592	19,832	25,829
Texas State University	9,400	10,600	11,000	11,300	11,600	11,750
Wimberley WSC	5,272	7,640	10,758	14,989	19,834	25,379
Population with Revisions (1.0)	334,689	495,785	673,694	861,745	1,042,146	1,215,953

County Line SUD*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	17,878	28,172	41,724	60,091	81,112	105,177
Demand (ac-ft/yr)	1,202	1,893	2,804	4,039	5,451	7,069
GPCD	60	60	60	60	60	60
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	34,873	71,077	115,170	150,160	170,479	181,857
Demand (ac-ft/yr)	3,125	6,369	10,321	13,456	15,277	16,296
GPCD	80	80	80	80	80	80

- County Line SUD is split between Caldwell and Hays County. Majority is in Hays County.
- Increase in population projection is based on planned development.
 - 1,730 reserve LUEs for developments that have paid impact fees and are mostly in construction.
 - Have received additional service requests received totaling over 20,000 LUEs (not including current active and reserve connections)
- The revision request for the gpcd is based on the historical average of 80gpcd

Maxwell SUD*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	4,861	7,420	10,790	15,358	20,587	26,574
Demand (ac-ft/yr)	478	726	1,056	1,503	2,015	2,600
GPCD	87.71	87.36	87.36	87.36	87.36	87.36
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	10,915	16,564	24,478	35,595	50,312	57,543
Demand (ac-ft/yr)	1,211	1,838	2,716	3,950	5,583	6,386
GPCD	99	99	99	99	99	99

- Maxwell SUD is split between Caldwell and Hays County
- Maxwell has contracted subdivisions to add an additional 7,700 connections to come on board as fast as the economy will let them.
 - There are another 10,000+ LUE in water service requests, but contracts have not been signed to date

San Marcos*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	94,984	137,425	193,313	269,164	356,004	455,427
Demand (ac-ft/yr)	14,187	20,455	28,774	40,064	52,989	67,788
GPCD	133.3	132.9	132.9	132.9	132.9	132.9
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	141,830*	199,786*	246,158*	280,361*	302,406*	316,607*
Demand (ac-ft/yr)	17,396*	23,943*	28,812*	32,422*	34,548*	36,171*
GPCD	109.5	107	104.5	103.2	102	102

- San Marcos is split between Caldwell County and Hays County. May expand into Comal/Guadalupe.
- San Marcos has requested changes to population and GPCD based on recently faster historical growth and the large percentage of connections that are multi-family. Later decades show slowing of growth with revisions smaller than draft population projections.
- (*)Currently unclear how much of growth should be shown in Caldwell County, so applying all to Hays County for now.
- Need to meet with TWDB staff to discuss. Early decadal growth can't be met within County total.

Texas State University

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	5,320	5,320	5,320	5,320	5,320	5,320
Demand (ac-ft/yr)	997	994	994	994	994	994
GPCD	167.3	166.8	166.8	166.8	166.8	166.8
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	9,400	10,600	11,000	11,300	11,600	11,750
Demand (ac-ft/yr)	1,685	1,852	1,898	1,924	1,949	1,961
GPCD	160	156	154	152	150	149

- Existing population is inaccurate, as all first-years are required to live on campus.
- TWDB methodology applied constant population to universities. Texas State University plans on growing its San Marcos campus to 50,000 students in 10 years with a slower growth after that. To support that growth a new 1,006 bed residence hall is currently under construction and a second new 600 +/- bed residence hall is planned to begin construction later this Fall.
- Supporting documentation not yet provided.

Kendall County

Recommend utilizing the 1.0 migration scenario

KENDALL COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	56,306	70,896	89,665	111,448	136,387	164,940
0.5 migration scenario	49,191	54,496	60,143	65,422	71,007	76,916

- No response from WUG
 - ✓ WUG indicated draft projections appear reasonable
 - WUG requested revision
 - After further consideration, no revisions requested by WUG
- Boerne
 - County-Other, Kendall
 - Fair Oaks Ranch*
 - Guadalupe-Blanco River Authority*
 - Kendall County WCID 1
 - Kendall West Utility
 - Water Services*

* WUG split between other counties

Kendall County Requested Population Changes

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	56,306	70,896	89,665	111,448	136,387	164,940
DRAFT Population (0.5)	49,191	54,496	60,143	65,422	71,007	76,916
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Boerne	25,482	35,084	47,445	61,796	78,225	97,031
County-Other, Kendall	20,837	22,900	25,536	28,584	32,070	36,060
Fair Oaks Ranch*	2,519	3,440	3,901	4,085	4,131	4,131
Guadalupe-Blanco River Authority*	1,719	5,500	5,500	5,500	5,500	5,500
Kendall County WCID 1	2,873	3,114	3,939	4,896	5,992	7,247
Kendall West Utility	2,819	3,561	4,515	5,623	6,890	8,342
Water Services*	215	192	170	151	135	120
Population with Revisions (1.0)	56,464	73,791	91,006	110,635	132,943	158,431

Fair Oaks Ranch*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	2,761	3,514	4,482	5,605	6,892	8,364
Demand (ac-ft/yr)	719	914	1,166	1,458	1,793	2,176
GPCD	232.6	232.2	232.2	232.2	232.2	232.2
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	2,519	3,440	3,901	4,085	4,131	4,131
Demand (ac-ft/yr)	656	895	1,015	1,063	1,075	1,075
GPCD	232.6	232.2	232.2	232.2	232.2	232.2

- Fair Oaks Ranch is split between Bexar County, Comal County, and Kendall County
- Requested a decrease to population in Kendall County, based on number of remaining water connections to buildout and using 2.65 persons per connection. Fair Oaks Ranch is landlocked.
- Request is a decrease to population, resulting in a decrease to the municipal demand through all decades. No change to GPCD.

Guadalupe-Blanco River Authority*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	1,719	2,531	3,578	4,793	6,183	7,776
Demand (ac-ft/yr)	132	193	273	366	473	594
GPCD	68.7	68.2	68.2	68.2	68.2	68.2
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	1,719	5,500	5,500	5,500	5,500	5,500
Demand (ac-ft/yr)	273	870	870	870	870	870
GPCD	141.7	141.2	141.2	141.2	141.2	141.2

- GBRA is split between Calhoun County, Comal County, and Kendall County
- Requested change to population based on expected buildout for developments in Kendall County. Change to GPCD based on actual water use averaged over developments in all three counties served. Spreadsheet provided by GBRA.
- Request is to reach buildout (5,500) by 2040, and an increase in GPCD that results in an increase to municipal demand in all decades.

Kendall County WCID 1

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	2,473	3,114	3,939	4,896	5,992	7,247
Demand (ac-ft/yr)	224	280	355	441	539	652
GPCD	81	80	80	80	80	80
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	2,873	3,114	3,939	4,896	5,992	7,247
Demand (ac-ft/yr)	261	280	355	441	539	652
GPCD	81	80	80	80	80	80

- With 860 active residential meters, Kendall County WCID 1’s population is currently 2,580. Kendall County commissioners have also recently approved two residential developments that will be service by our District. One will be a rental community of approximately 80 units, and the second will be a single-family residential subdivision of approximately 60 units, resulting in a near-term population growth of 400.
- Supporting documentation not yet provided.

La Salle County

Migration scenario recommendation pending.

LA SALLE COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	6,645	6,586	6,319	5,926	5,476	4,961
0.5 migration scenario	6,723	6,766	6,690	6,529	6,359	6,179

- No response from WUG
- ✓ WUG indicated draft projections appear reasonable
- WUG requested revision
 - After further consideration, no revisions requested by WUG
- Cotulla
 - County-Other, La Salle
 - Encinal WSC

* WUG split between other counties

La Salle County Requested Population Changes

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	6,645	6,586	6,319	5,926	5,476	4,961
DRAFT Population (0.5)	6,723	6,766	6,690	6,529	6,359	6,179
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Cotulla	5,202	TBD	TBD	TBD	TBD	TBD
County-Other, La Salle	2,249	2,273	2,085	1,768	1,389	941
Encinal WSC	1,031	1,056	1,082	1,108	1,135	1,163
Population with Revisions (1.0)	8,482	TBD	TBD	TBD	TBD	TBD

Cotulla

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	3,365	3,257	3,152	3,050	2,952	2,857
Demand (ac-ft/yr)	1,038	1,003	971	939	909	880
GPCD	275	275	275	275	275	275
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	5,202	TBD	TBD	TBD	TBD	TBD
Demand (ac-ft/yr)	TBD	TBD	TBD	TBD	TBD	TBD
GPCD	TBD	TBD	TBD	TBD	TBD	TBD

- Cotulla responded its current permanent population is 5,202 with 1,800 connections, and they are poised for growth; no supporting documentation has been provided.

Medina County

Recommend utilizing the 1.0 migration scenario

MEDINA COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	54,536	57,772	60,148	61,719	63,518	65,578
0.5 migration scenario	52,700	54,147	54,761	54,852	54,948	55,050

- No response from WUG
- ✓ WUG indicated draft projections appear reasonable
- WUG requested revision
- After further consideration, no revisions requested by WUG

- Benton City WSC*
- Castroville
- County-Other, Medina
- Devine
- ✓ East Medina County SUD
- Hondo
- La Coste*
- Lytle*

- Medina County WCID 2
- Medina River West WSC
- ✓ Natalia
- San Antonio Water System*
- ✓ Ville Dalsace Water Supply
- West Medina WSC
- Yancey WSC

* WUG split between other counties

Medina County Requested Population Changes

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	54,536	57,772	60,148	61,719	63,518	65,578
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Benton City WSC*	5,897	6,266	6,536	6,710	6,910	7,139
Castroville	6,496	7,081	7,930	9,120	10,214	10,929
County-Other, Medina	9,424	11,084	12,151	12,592	13,153	14,088
Devine	4,318	4,374	4,430	4,507	4,594	4,692
East Medina County SUD	10,138	10,820	11,315	11,625	11,982	12,392
Hondo	7,907	7,586	7,407	7,448	7,491	7,534
La Coste*	1,310	1,290	1,281	1,296	1,313	1,330
Lytle*	623	673	709	730	755	783
Medina County WCID 2	446	431	421	425	428	431
Medina River West WSC	1,131	1,204	1,257	1,291	1,330	1,374
Natalia	1,134	1,101	1,155	1,187	1,192	1,162
San Antonio Water System*	7,783	22,963	25,157	27,165	29,001	29,001
Ville Dalsace Water Supply	410	447	474	489	506	526
West Medina WSC	1,003	1,079	1,097	1,122	1,161	1,095
Yancey WSC	6,316	6,706	6,992	7,177	7,389	7,633
Population with Revisions (1.0)	64,336	83,105	88,312	92,884	97,419	100,109

Castroville

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	3,096	3,180	3,249	3,315	3,389	3,474
Demand (ac-ft/yr)	899	921	941	960	982	1,006
GPCD	259.2	258.6	258.6	258.6	258.6	258.6
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	6,496	7,081	7,930	9,120	10,214	10,929
Demand (ac-ft/yr)	1,201	1,309	1,466	1,686	1,888	2,020
GPCD	165	165	165	165	165	165

- Castroville’s 2022 service population was 3,913, which is higher than the 2030 projections.
 - In addition, Castroville has several signed agreements for service at multiple new developments.
- Castroville’s revision to their GPCD is based on their current GPCD of 165

Hondo

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	7,907	7,586	7,407	7,448	7,491	7,534
Demand (ac-ft/yr)	1,641	1,570	1,533	1,541	1,550	1,559
GPCD	185	185	185	185	185	185
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	7,907	7,586	7,407	7,448	7,491	7,534
Demand (ac-ft/yr)	TBD	TBD	TBD	TBD	TBD	TBD
GPCD	TBD	TBD	TBD	TBD	TBD	TBD

- Based on utility water audits (2017-2022), Hondo will request a higher GPCD.
- Population projections appear low, but WUG has little supporting documentation to substantiate a change.

San Antonio Water System*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	1,383	1,531	1,674	1,805	1,925	1,925
Demand (ac-ft/yr)	177	195	213	230	245	245
GPCD	114.4	113.8	113.8	113.8	113.8	113.8
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	7,783	22,963	25,157	27,165	29,001	29,001
Demand (ac-ft/yr)	889	2,503	2,662	2,789	2,885	2,839
GPCD	102	97.3	94.5	91.6	88.8	87.4

- San Antonio Water System is split between Atascosa County, Bexar County, Comal County, and Medina County
- Numbers based on Draft 2023 Water Management Plan – extrapolated for 2080, since SAWS numbers only go through 2075 (GPCD was kept the same as 2075)
- Need some additional documentation on plans for growth
- Request is a significant increase in population from the draft projections, along with a reduction in GPCD that results in an increased municipal demand

Uvalde County

Recommend utilizing the 0.5 migration scenario

UVALDE COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	22,571	20,698	18,741	16,822	14,625	12,110
0.5 migration scenario	24,095	23,623	22,929	22,142	21,309	20,428

- No response from WUG
 - ✓ WUG indicated draft projections appear reasonable
 - WUG requested revision
 - After further consideration, no revisions requested by WUG
- Concan WSC
 - County-Other, Uvalde
 - Knippa WSC
 - Sabinal
 - Uvalde
 - ✓ Windmill WSC

* WUG split between other counties

Uvalde County Requested Population Changes (1.0)

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	22,571	20,698	18,741	16,822	14,625	12,110
DRAFT Population (0.5)	24,095	23,623	22,929	22,142	21,309	20,428
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Concan WSC	294	286	278	266	254	240
County-Other, Uvalde	4,020	3,675	3,315	2,963	2,558	2,093
Knippa WSC	464	425	383	342	295	240
Sabinal	1,210	1,106	997	889	766	626
Uvalde	17,947	18,485	19,040	19,611	20,199	20,805
Windmill WSC	1,516	1,385	1,249	1,114	960	784
Population with Revisions (1.0)	25,451	25,362	25,262	25,185	25,032	24,788

Uvalde County Requested Population Changes (0.5)

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	22,571	20,698	18,741	16,822	14,625	12,110
DRAFT Population (0.5)	24,095	23,623	22,929	22,142	21,309	20,428
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Concan WSC	294	286	278	266	254	240
County-Other, Uvalde	4,291	4,195	4,055	3,901	3,726	3,529
Knippa WSC	495	485	469	450	430	405
Sabinal	1,292	1,262	1,220	1,170	1,116	1,056
Uvalde	17,947	18,485	19,040	19,611	20,199	20,805
Windmill WSC (1.0)	1,516	1,385	1,249	1,114	960	784
Population with Revisions (0.5)	25,835	26,098	26,311	26,512	26,685	26,819

Concan WSC

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	275	251	227	202	174	142
Demand (ac-ft/yr)	74	67	61	54	47	38
GPCD	240	239	239	239	239	239
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	294	286	278	266	254	240
Demand (ac-ft/yr)	79	77	74	71	68	64
GPCD	240	239	239	239	239	239

- Concan WSC requests using the 0.5 migration scenario.
 - Concan WSC has concerns about Census undercount - “When the 2020 Census was delivered to our local post office, they were addressed as to physical addresses. Mail service at Concan, Texas consists mainly of delivery to Post Office boxes. As a result, these forms were sent back as they were undeliverable.”
 - Concan WSC currently has 486 meters. The assigned tariff is projected to reach its capacity within the next ten (10) years. In that time, the projected number of new meters will be approximately 100.
 - Concan WSC is a tourist area that serves tens of thousands of transient population (reflected in the high GPCD); however, the permanent population will not halve in the next 50 years. This decrease results in a sharp decrease of water demand, which is incongruent with the increasing pumping data from 2010 to 2020. There is no evidence to show a decreased water demand.

Uvalde

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	15,086	13,856	12,570	11,312	9,872	8,225
Demand (ac-ft/yr)	3,488	3,195	2,898	2,608	2,276	1,896
GPCD	206.4	205.8	205.8	205.8	205.8	205.8
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	17,947	18,485	19,040	19,611	20,199	20,805
Demand (ac-ft/yr)	4,150	4,262	4,390	4,521	4,657	4,797
GPCD	206.4	205.8	205.8	205.8	205.8	205.8

- Uvalde has concerns about Census undercount. The decadal decrease is based on an assumed decrease from 2010-2020.
- “First, we have a net increase in housing units of 274 since 2011. With an estimated 20.3 percent vacancy rate, we have at least 218 more occupied housing units than we had in 2011. The 2020 Census is estimating 2.9 persons per household which would give us an additional 795 residents. Secondly, we have 292 new water customers since 2011. While some of them are commercial customers, at least 218 of those are new residential customers.”
- “Since WWII we haven’t seen a decrease except for the under-reporting of 2020. With a 4% increase in 1990, 1% in 2000 and 6% in 2010, we would have an average increase of 3% per decade. This average increase would net **473** new residents for 2020.”
- We cannot meet this request currently with either the 1.0 or 0.5 migration scenario. May need to meet with TWDB.

Wilson County

Recommend utilizing the 1.0 migration scenario

WILSON COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	55,858	61,941	67,968	73,304	79,413	86,407
0.5 migration scenario	52,712	55,297	57,252	58,451	59,719	61,060

- No response from WUG
- ✓ WUG indicated draft projections appear reasonable
- WUG requested revision
- After further consideration, no revisions requested by WUG

- C Willow Water
- County-Other, Wilson
- ✓ East Central SUD*
- ✓ El Oso WSC*
- Floresville
- La Vernia
- ✓ McCoy WSC*
- Oak Hills WSC*

- Picoso WSC
- Poth
- S S WSC
- Springs Hill WSC*
- ✓ Stockdale
- ✓ Sunko WSC*
- ✓ Three Oaks WSC*

* WUG split between other counties

Wilson County Requested Population Changes

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (1.0)	55,858	61,941	67,968	73,304	79,413	86,407
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
C Willow Water	664	737	809	873	947	1,030
County-Other, Wilson	7,357	7,657	7,813	7,672	7,502	7,288
East Central SUD*	1,368	1,525	1,674	1,803	1,900	1,900
El Oso WSC*	170	207	245	277	315	358
Floresville	5,859	6,166	6,482	6,762	7,082	7,448
La Vernia	2,400	3,800	5,200	6,600	8,000	9,400
McCoy WSC*	406	451	496	537	583	635
Oak Hills WSC*	5,987	6,907	7,968	9,192	10,604	12,233
Picosa WSC	3,591	4,142	4,683	5,161	5,710	6,338
Poth	1,550	1,525	1,506	1,491	1,472	1,450
S S WSC	20,066	23,148	26,175	28,850	31,963	35,649
Springs Hill WSC*	244	354	461	556	664	789
Stockdale	1,458	1,471	1,488	1,504	1,521	1,540
Sunko WSC*	3,995	4,434	4,868	5,252	5,692	6,196
Three Oaks WSC*	1,368	1,517	1,665	1,795	1,945	2,116
Population with Revisions (1.0)	56,483	64,041	71,533	78,325	85,900	94,370

La Vernia

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	1,775	1,700	1,635	1,579	1,513	1,437
Demand (ac-ft/yr)	368	351	338	326	312	297
GPCD	185	184	184	184	184	184
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	2,400	3,800	5,200	6,600	8,000	9,400
Demand (ac-ft/yr)	323	511	700	887	1075	1010
GPCD	120	120	120	120	120	120

- La Vernia requested revisions above; no supporting documentation has been provided.
- We cannot meet this request currently with either the 1.0 or 0.5 migration scenario.

Counties with no changes (8)

Dimmit

Refugio

Frio

Victoria

Goliad

Zavala

Gonzales

Karnes

Dimmit County

Recommend utilizing the 1.0 migration scenario

DIMMIT COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	7,341	6,303	5,340	4,484	3,504	2,382
0.5 migration scenario	8,175	7,818	7,383	6,983	6,560	6,112

- No response from WUG
 - ✓ WUG indicated draft projections appear reasonable
 - WUG requested revision
 - After further consideration, no revisions requested by WUG
- Asherton
 - Big Wells
 - Carrizo Hill WSC
 - Carrizo Springs
 - County-Other, Dimmit

* WUG split between other counties

Frio County

Recommend utilizing the 1.0 migration scenario

FRIO COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	19,512	20,540	21,269	21,643	22,071	22,561
0.5 migration scenario	19,446	20,379	21,083	21,592	22,130	22,699

- No response from WUG
- ✓ WUG indicated draft projections appear reasonable
- WUG requested revision
- After further consideration, no revisions requested by WUG
- Benton City WSC*
- County-Other, Frio
- Dilley
- Moore WSC
- Pearsall

* WUG split between other counties

Goliad County

Recommend utilizing the 1.0 migration scenario

GOLIAD COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	6,803	6,648	6,559	6,454	6,334	6,197
0.5 migration scenario	6,769	6,592	6,394	6,264	6,126	5,980

- No response from WUG
- ✓ WUG indicated draft projections appear reasonable
- WUG requested revision
- After further consideration, no revisions requested by WUG
- County-Other, Goliad
- Goliad

* WUG split between other counties

Gonzales County

Recommend utilizing the 1.0 migration scenario

GONZALES COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	19,204	18,674	17,796	16,865	15,799	14,579
0.5 migration scenario	19,716	19,697	19,399	19,064	18,710	18,335

- No response from WUG
- ✓ WUG indicated draft projections appear reasonable
- WUG requested revision
- After further consideration, no revisions requested by WUG

- County-Other, Gonzales
- Fayette WSC
- ✓ Gonzales
- ✓ Gonzales County WSC*
- Luling*
- Nixon
- ✓ Smiley
- Waelder

* WUG split between other counties

Karnes County

Recommend utilizing the 1.0 migration scenario

KARNES COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	15,357	16,052	16,739	17,527	18,429	19,462
0.5 migration scenario	15,206	15,722	16,182	16,751	17,353	17,990

- No response from WUG
 - ✓ WUG indicated draft projections appear reasonable
 - WUG requested revision
 - After further consideration, no revisions requested by WUG
- ✓ County-Other, Karnes
 - ✓ El Oso WSC*
 - Falls City
 - Karnes City
 - Kenedy
 - Runge
 - ✓ Sunko WSC*
 - ✓ Three Oaks WSC*

* WUG split between other counties

Refugio County

Recommend utilizing the 1.0 migration scenario

REFUGIO COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	6,283	5,820	5,352	4,897	4,376	3,780
0.5 migration scenario	6,489	6,243	5,992	5,799	5,595	5,379

- No response from WUG
 - ✓ WUG indicated draft projections appear reasonable
 - WUG requested revision
 - After further consideration, no revisions requested by WUG
- County-Other, Refugio
 - Refugio
 - Woodsboro

* WUG split between other counties

Victoria County

Recommend utilizing the 1.0 migration scenario

VICTORIA COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	93,954	96,082	96,608	96,168	95,664	95,087
0.5 migration scenario	93,984	95,975	96,635	96,664	96,695	96,728

- No response from WUG
- ✓ WUG indicated draft projections appear reasonable
- WUG requested revision
- After further consideration, no revisions requested by WUG
- County-Other, Victoria
- Quail Creek MUD
- Victoria
- Victoria County WCID 1

* WUG split between other counties

Zavala County

Recommend utilizing the 1.0 migration scenario

ZAVALA COUNTY POPULATION	2030	2040	2050	2060	2070	2080
1.0 migration scenario (WUGs projected using this scenario)	8,595	7,590	6,649	5,747	4,714	3,531
0.5 migration scenario	9,480	9,232	8,858	8,472	8,064	7,632

- No response from WUG
 - ✓ WUG indicated draft projections appear reasonable
 - WUG requested revision
 - After further consideration, no revisions requested by WUG
- Batesville WSC
 - County-Other, Zavala
 - Crystal City
 - Loma Alta Chula Vista Water System
 - Zavala County WCID 1

* WUG split between other counties

Agenda Item 2:

Discussion and Appropriate Action Regarding Recommendation for Feedback to TWDB