

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 Thursday, July 20, 2023, at 9:00 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/433069365>. 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

Recommendations from 6/27/23 Meeting

Atascosa – 1.0 migration scenario, population adjustments to Pleasanton, County-Other

Calhoun – 0.5 migration scenario, population adjustments to GBRA, Port Lavaca, County-Other; GBRA GPCD adjustment

DeWitt – 0.5 migration scenario, population adjustments to Gonzales County WSC, Yoakum, County-Other

Frio – 1.0 migration scenario, no population adjustments

Goliad – 1.0 migration scenario, no population adjustments

Gonzales – 0.5 migration scenario, population adjustments to Gonzales County WSC, County-Other

Karnes – 1.0 migration scenario, no population adjustments

La Salle – 0.5 migration scenario, no population adjustments

Kendall – 1.0 migration scenario; population adjustments to GBRA, Kendall County WCID 1, Fair Oaks Ranch, County-Other; Canyon Lake Water Service added as new WUG; GBRA GPCD adjustment

Victoria – 1.0 migration scenario, no population adjustments

Continue Discussion on Remaining Counties: WUG Requested Revisions (as of 7/17/2023)

Bexar
Caldwell
Comal
Guadalupe
Hays
Medina
Uvalde
Wilson
Dimmit
Refugio
Zavala

San Antonio Water System*

New slide since June 27 PWD Mtg

Atascosa County

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	2,394	2,651	2,898	3,124	3,332	3,332
Demand (ac-ft/yr)	700	726	748	783	811	855
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. Population changes are only requested for Bexar 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 reduction in GPCD that results in a decrease to the 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

Bexar County is 61.3% Hispanic;
5% Census undercount is equal to
70,580 people in 2030

- 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	7,806	7,806	7,806	7,806	7,806
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	2,077	3,589	5,171	5,558	6,081	4,343
East Central SUD*	45,458	51,420	56,763	61,513	66,950	73,173
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)	2,555,076	2,951,404	3,222,978	3,470,641	3,699,975	3,945,495

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	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	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)	2,555,076	2,951,404	3,222,978	3,470,641	3,699,975	3,945,495

Alamo Heights

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	7,806	8,334	8,400	8,400	8,400	8,400
Demand (ac-ft/yr)	2,099	2,236	2,254	2,254	2,254	2,254
GPCD	240.1	239.5	239.5	239.5	239.5	239.5
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	7,806	7,806	7,806	7,806	7,806	7,806
Demand (ac-ft/yr)	2,099	2,094	2,094	2,094	2,094	2,094
GPCD	240.1	239.5	239.5	239.5	239.5	239.5

- Alamo Heights indicated that they are currently built out. Email stating so and landlocked status.

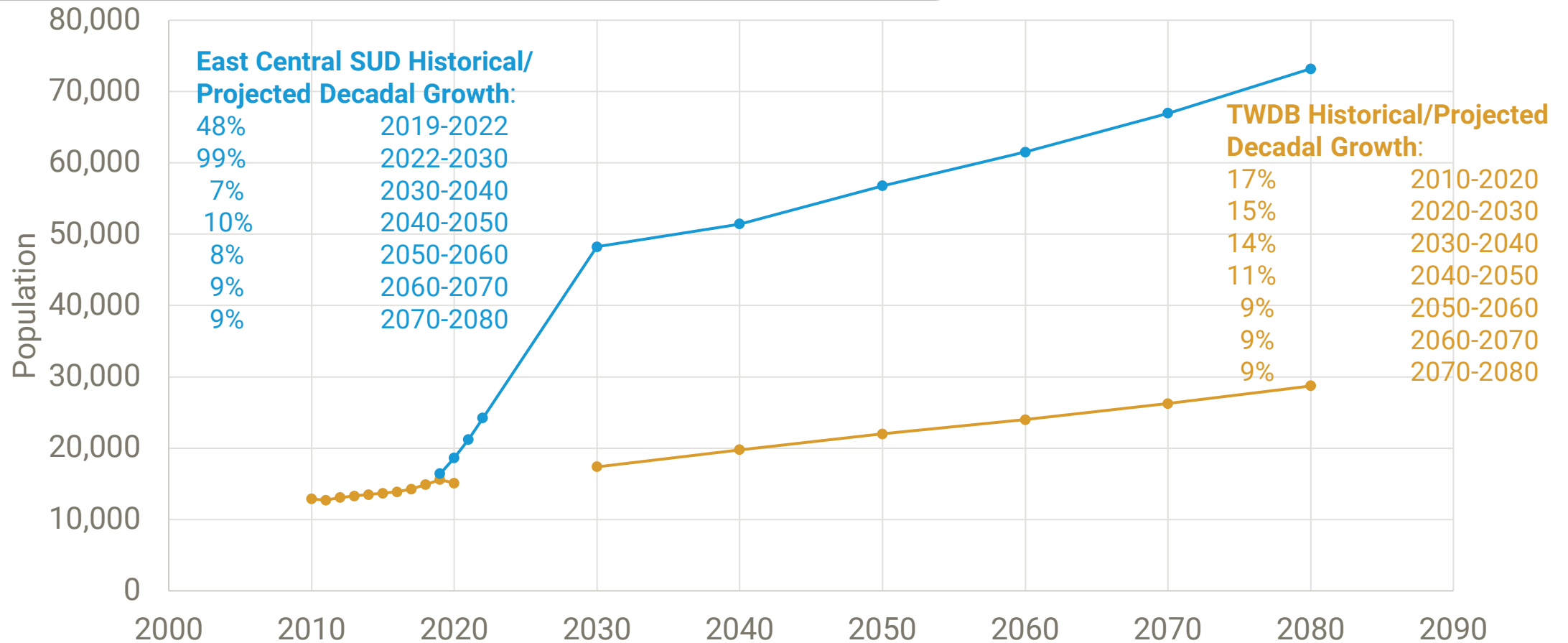
East Central SUD*

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	51,420	56,763	61,513	66,950	73,173
Demand (ac-ft/yr)	6,233	7,018	7,747	8,395	9,137	9,987
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.
- Growth pattern after 2030 uses TWDB projected growth rates.

East Central SUD (whole WUG) Growth Trends

New slide since June 27 PWD Mtg



— TWDB Historical/Projected Growth — East Central SUD Historical/Requested Projections

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

- A revision to the 2030 population is requested based on their current number of residential customers. As of 6/12/2023, Elmendorf has 1,369 residential connections, which equates to approximately 3,800 people.
- Elmendorf requested a change to their population citing historical growth and projected population from their engineering feasibility report, which was provided as supporting documentation along with platting maps for residential developments.
- 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.

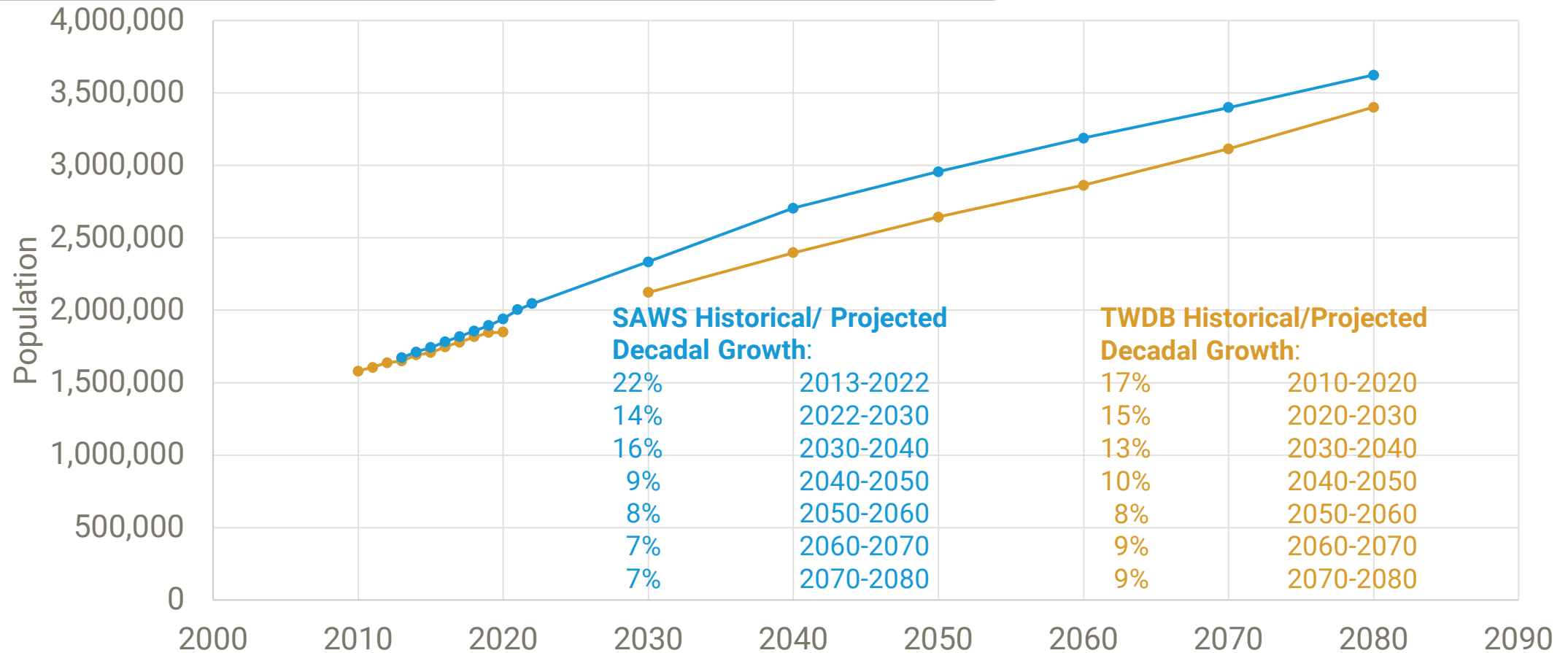
San Antonio Water System*

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. Population changes are only requested for Bexar 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.
- Met with TWDB staff to show them the historical and projected growth rates

SAWS (whole WUG) Growth Trends

New slide since June 27 PWD Mtg



— TWDB Historical/Projected Growth

— SAWS Historical/Requested Projections

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	6,200	7,000	7,440
County-Other, Caldwell	703	936	1,684	1,295	1,840	3,159
Creedmoor-Maha WSC*	10,569	19,158	27,716	36,246	44,840	53,508
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*	917	917	917	917	917	917
Tri Community WSC*	1,368	1,416	1,463	1,521	1,585	1,655
Population with Revisions (1.0)	67,191	83,988	100,497	116,808	134,861	151,345
Camino Real Utility Population within Creedmoor-Maha WSC	8,100	16,200	24,300	32,400	40,500	48,600

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	6,200	7,000	7,440
Demand (ac-ft/yr)	235	352	433	556	627	667
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.

Creedmoor-Maha WSC

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	2,469	2,958	3,416	3,846	4,340	4,908
Demand (ac-ft/yr)	263	313	361	407	459	519
GPCD	95.1	94.4	94.4	94.4	94.4	94.4
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	10,569	19,158	27,716	36,246	44,840	53,508
Demand (ac-ft/yr)	1,126	2,025	2,930	3,832	4,740	5,657
GPCD	95.1	94.4	94.4	94.4	94.4	94.4

- Added request for Camino Real Utility population and demands. Upcoming new utility that will take over a portion of the Creedmoor-Maha WSC CCN.
- Provided list of developments under contract with number of LUEs, map showing proposed water infrastructure and current and pending developments, and agreements with Mustang Ridge, Goforth, and GBRA.
- Current contracts are 90% residential and 10% commercial, with 77% in Travis Co and 23% in Caldwell Co
- Since their request did not specify all the customers listed would be residential, we multiplied their request by 90%.
- We have been coordinating with TWDB staff on this request, so they are aware.

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.
 - Martindale recently approved a 25 LUE and 135 LUE development, approximately 500 people total
 - Two large 1,000 LUE development inquires
- Excerpt from Impact Fee report, which is currently underway, provided as supporting documentation. ²¹

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
- Impact Fee report provided as supporting documentation

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	917	917	917	917	917	917
Demand (ac-ft/yr)	112	110	107	106	105	105
GPCD	109.5	107	104.5	103.2	102	102

- San Marcos is split between Caldwell County and Hays County.
- 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.
- No population changes requested in Caldwell County.

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 (Texas Water Co.)*
 - 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

Updated since June 27 PWD Mtg

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 (TWC)*	96,790	131,708	153,866	168,240	219,030	278,197
Clear Water Estates Water System	898	1,253	1,725	2,325	3,010	3,795
County-Other, Comal	20,649	24,003	33,812	71,364	98,879	129,543
Crystal Clear SUD*	15,217	19,162	19,162	19,162	19,162	19,162
Fair Oaks Ranch*	1,893	2,259	2,442	2,515	2,533	2,533
Garden Ridge	5,786	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*	2,394	2,651	2,898	3,124	3,332	3,332
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)	261,662	353,419	450,609	584,380	756,273	953,073

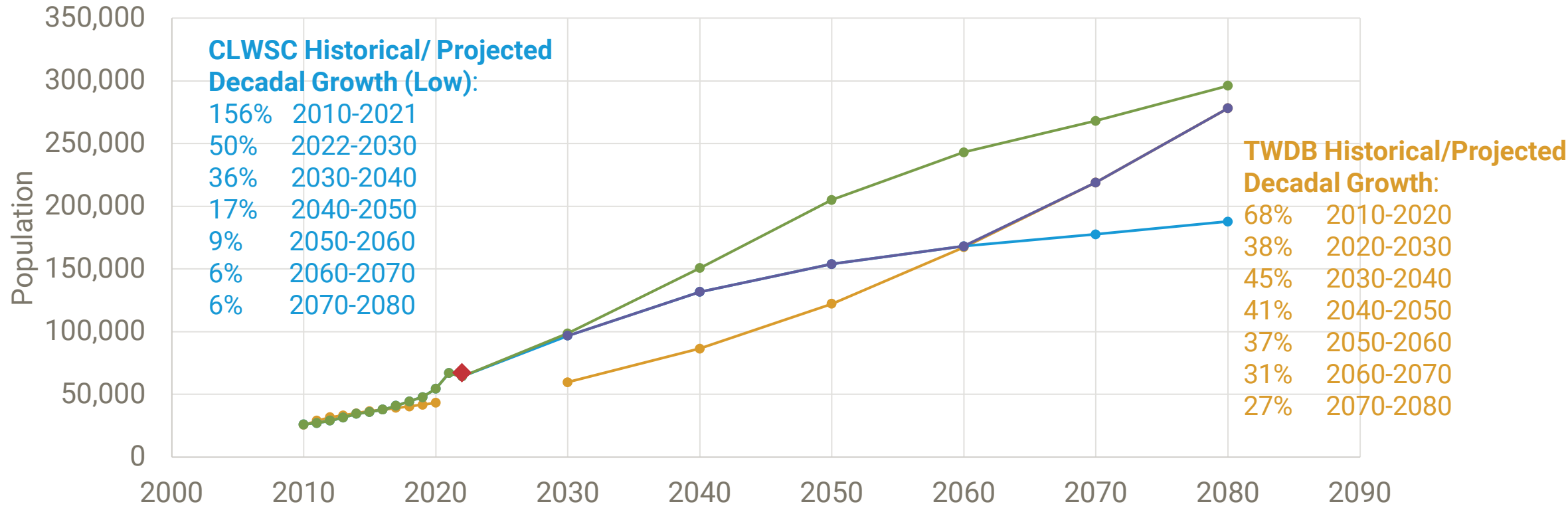
Canyon Lake Water Service* (Texas Water Co.)

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	59,783	86,530	122,210	167,351	219,030	278,197
Demand (ac-ft/yr)	7,297	10,523	14,862	20,352	26,637	33,833
GPCD	109	108.6	108.6	108.6	108.6	108.6
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	96,790	131,708	153,866	168,240	219,030	278,197
Demand (ac-ft/yr)	11,818	16,022	18,717	20,466	26,637	33,833
GPCD	109	108.6	108.6	108.6	108.6	108.6

- CLWS (TWC) is requesting revisions to their population projections based on their Growth and Demand Projections Report by FNI.
- Revisions shown are based on the Lower Growth projections for 2030-2060 (without CCN expansion).
- The TWDB draft projections for 2070 and 2080 fall within the report's Lower and Higher Growth bounds, so we propose to keep them as-is.
- Need to request higher county population numbers, based on historical growth, for 2030 through 2050 – County-Other won't cover the increases.

Canyon Lake Water Service (TWC) Comal County Growth Trends

New slide since June 27 PWD Mtg



- TWDB Historical/Projected Growth
- CLWSC Historical/Requested Projections (Low)
- ◆ Present-Day Population
- CLWSC Historical/Requested Projections (High)
- BV Recommended

Crystal Clear SUD*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	3,794	6,004	8,953	12,681	16,948	21,834
Demand (ac-ft/yr)	529	834	1,243	1,761	2,353	3,032
GPCD	124.5	124.0	124.0	124.0	124.0	124.0
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	15,217	19,162	19,162	19,162	19,162	19,162
Demand (ac-ft/yr)	2,122	2,661	2,661	2,661	2,661	2,661
GPCD	124.5	124.0	124.0	124.0	124.0	124.0

- Crystal Clear SUD is split between Comal County, Guadalupe County, and Hays County.
- Most of the growth is in Guadalupe County.
- They have provided documentation of recent historical growth and projected growth, based on known service agreements and their CIP, to develop projections for the next 10-12 years.
- Comal County portion is showing buildout by 2038.

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	5,786	7,152	8,522	10,100	11,972	14,191
Demand (ac-ft/yr)	2,013	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	2,394	2,651	2,898	3,124	3,332	3,332
Demand (ac-ft/yr)	274	289	307	321	331	326
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. Population changes are only requested for Bexar 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 reduction in GPCD that results in a decrease to the municipal demand.

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

Updated since June 27 PWD Mtg

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	25,890	31,422	37,606	44,137	51,615	60,179
County-Other, Guadalupe	1,712	2,898	4,345	5,860	7,606	9,608
Crystal Clear SUD*	35,538	65,308	77,013	91,463	108,106	127,245
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*	60,872	73,134	86,837	101,313	117,893	136,880
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)	303,659	399,439	479,202	563,441	659,669	769,609

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	25,890	31,422	37,606	44,137	51,615	60,179
Demand (ac-ft/yr)	2,572	3,101	3,711	4,356	5,094	5,939
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.”
 - Using Census household size of 3.33 instead of using family size to calculate revised population numbers
- “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.”
 - Using current residential meters and anticipated meters x 3.33 to get 2030 population.
 - Using TWDB growth rate after 2030. Support not provided for higher population (50,000 by 2030)

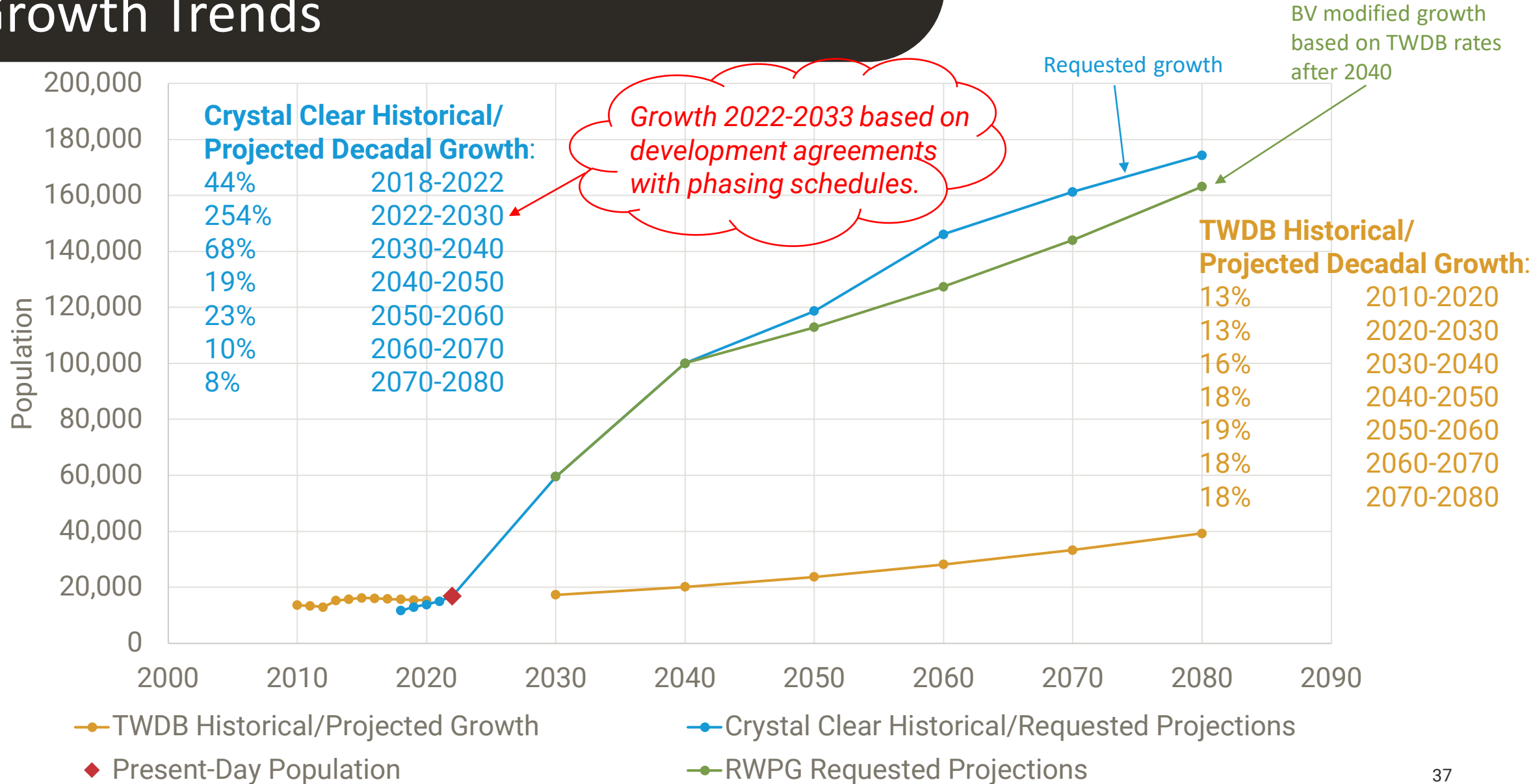
Crystal Clear SUD*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	10,433	10,775	11,128	11,492	11,868	12,257
Demand (ac-ft/yr)	1,455	1,496	1,545	1,596	1,648	1,702
GPCD	124.5	124.0	124.0	124.0	124.0	124.0
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	35,538	65,308	77,013	91,463	108,106	127,245
Demand (ac-ft/yr)	4,956	9,071	10,697	12,704	15,016	17,674
GPCD	124.5	124.0	124.0	124.0	124.0	124.0

- Crystal Clear SUD is split between Comal County, Guadalupe County, and Hays County.
- They have provided documentation of recent historical growth and projected growth, based on known service agreements and their CIP, to develop projections for the next 10-12 years.
- Used CCSUD's requested population for 2030 and 2040, then used TWDB growth rates for 2050-2080.
- Crystal Clear SUD in Guadalupe County has 89,000 acres of rural/farmland remaining.

Crystal Clear SUD (whole WUG) Growth Trends

New slide since June 27 PWD Mtg



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 connections inquiries that may go to contract.
 - Martindale recently approved a 25 LUE and 135 LUE development, approximately 500 people total
 - 2 large 1,000 LUE development inquires
- Excerpt from Impact Fee report, which is currently underway, provided as supporting documentation. ³⁸

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.

Springs Hill WSC*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	28,758	34,551	41,025	47,864	55,697	64,667
Demand (ac-ft/yr)	2,404	2,870	3,407	3,976	4,626	5,371
GPCD	74.6	74.2	74.2	74.2	74.2	74.2
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	60,872	73,134	86,837	101,313	117,893	136,880
Demand (ac-ft/yr)	6,587	7,881	9,357	10,917	12,704	14,750
GPCD	96.6	96.2	96.2	96.2	96.2	96.2

- Requesting updated baseline 2020 population of 27,054, based on Water Use Survey.
- 2010-2019 average annual growth rate of 3.7%, but 2020 and 2021 growth was 7% and 15%, respectively, which they expect to continue. Requesting 10% average annual growth to 2030, minus the connection transfer to Seguin. Using TWDB growth rates after 2030.
- Transferring 2,209 connections to Seguin by early 2026. Using 3.5 persons per connection.
- Provided a spreadsheet identifying future developments with about 10,000 additional connections.
- Requesting baseline GPCD be increased from 79 to 101, which is from 2018 (lowest rainfall 2015-2019).⁴⁰

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
 - Maxwell SUD*
 - San Marcos*
 - South Buda WCID 1
 - Texas State University
 - Wimberley WSC

* WUG split between other counties

Hays County Requested Population Changes

Updated since June 27 PWD Mtg

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	148,761	167,956	178,513
County-Other, Hays	19,329	17,907	28,866	76,799	129,824	211,964
Creedmoor-Maha WSC*	54	54	54	54	54	54
Crystal Clear SUD*	8,777	15,573	16,746	16,746	16,746	16,747
Goforth SUD*	41,415	65,951	98,260	142,035	192,136	249,490
Kyle	61,050	91,138	124,117	139,145	144,092	147,735
Maxwell SUD*	10,915	16,564	24,478	35,595	50,312	57,543
San Marcos*	140,913	198,869	245,241	279,444	301,489	315,690
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)	336,064	502,006	684,704	879,460	1,053,875	1,240,694

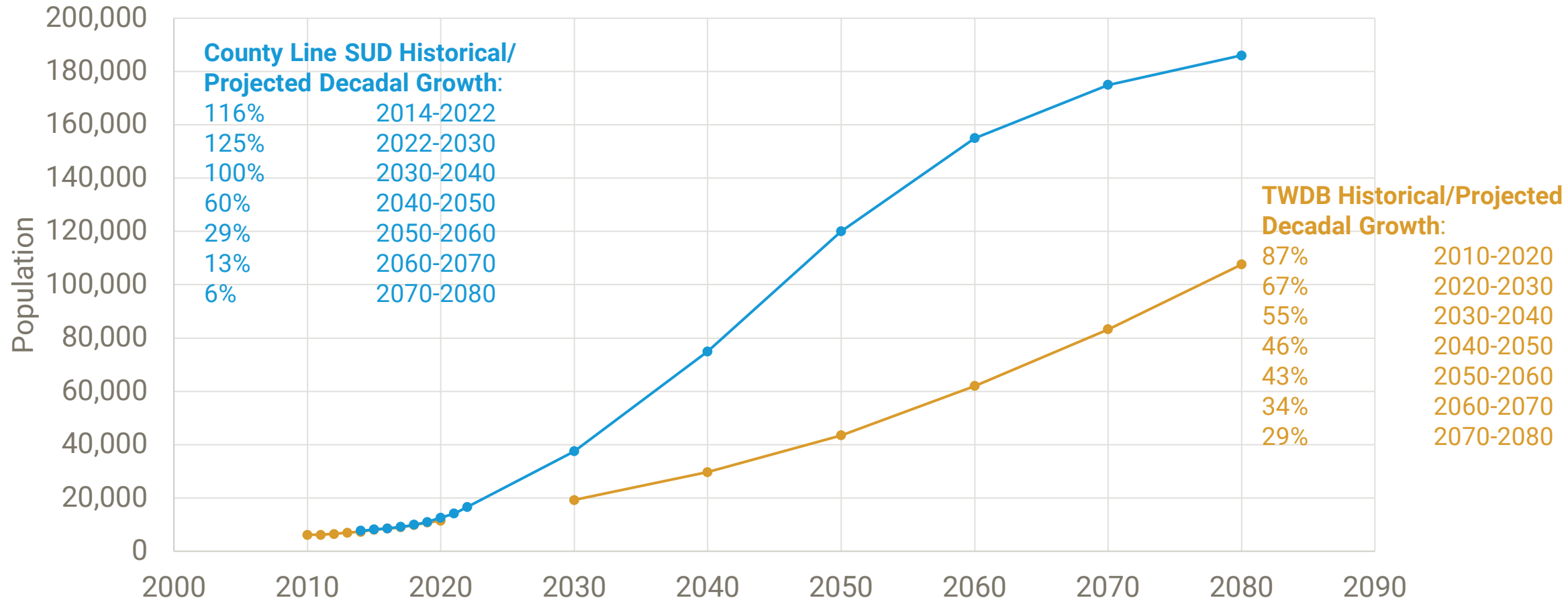
County Line SUD*

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	148,761	167,956	178,513
Demand (ac-ft/yr)	3,125	6,369	10,321	13,331	15,051	15,997
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 80 GPCD.

County Line SUD (whole WUG) Growth Trends

New slide since June 27 PWD Mtg



— TWDB Historical/Projected Growth — County Line SUD Historical/Requested Projections

Crystal Clear SUD*

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	1,675	1,324	899	714	593	504
Demand (ac-ft/yr)	234	184	125	99	82	70
GPCD	124.5	124.0	124.0	124.0	124.0	124.0
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	8,777	15,573	16,746	16,746	16,746	16,746
Demand (ac-ft/yr)	1,224	2,163	2,326	2,326	2,326	2,326
GPCD	124.5	124.0	124.0	124.0	124.0	124.0

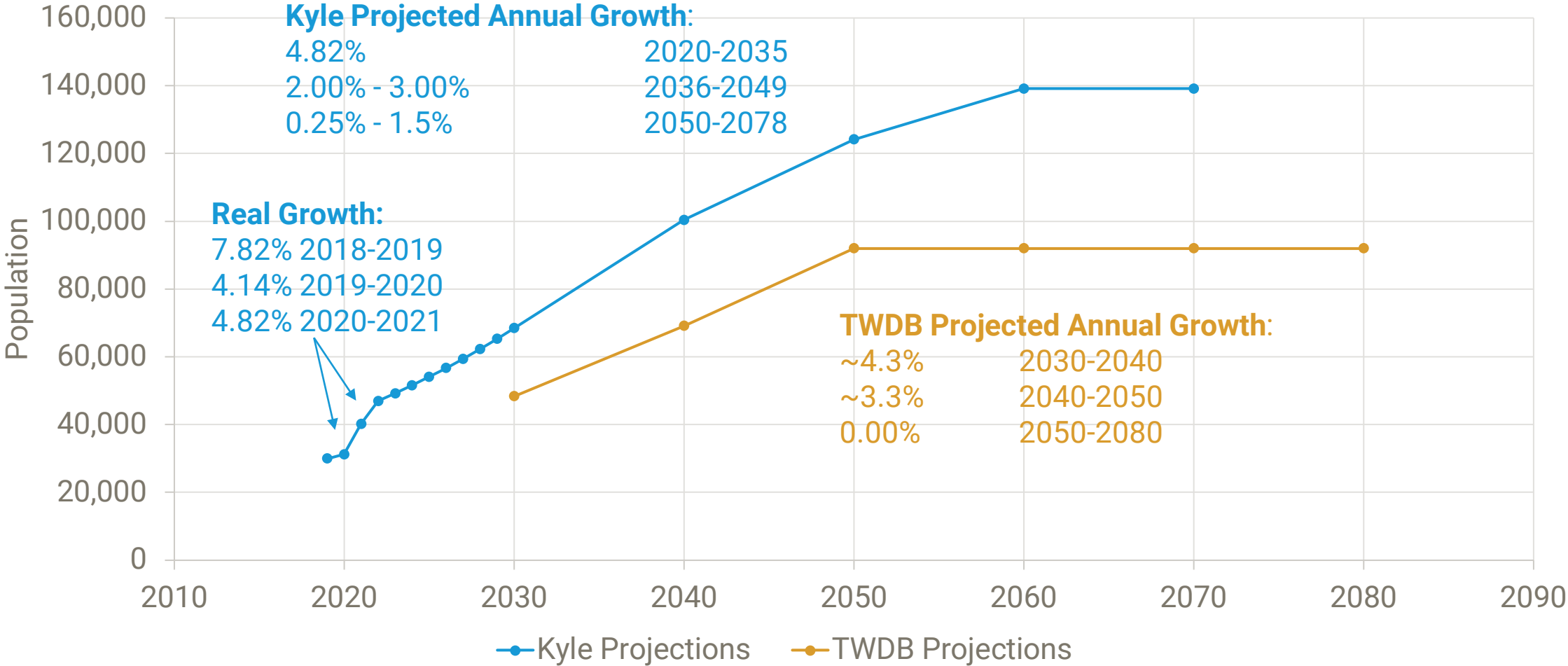
- Crystal Clear SUD is split between Comal County, Guadalupe County, and Hays County.
- They have provided documentation of recent historical growth and projected growth, based on known service agreements and their CIP, to develop projections for the next 10-12 years.
- Comal County portion is showing buildout by 2044.

Kyle

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	48,321	69,054	92,000	92,000	92,000	92,000
Demand (ac-ft/yr)	4,693	6,666	8,881	8,881	8,881	8,881
GPCD	87	86.2	86.2	86.2	86.2	86.2
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	61,050	91,138	124,117	139,145	144,092	147,735
Demand (ac-ft/yr)	5,929	8,798	11,982	13,432	13,910	14,261
GPCD	87	86.2	86.2	86.2	86.2	86.2

- Requesting an increase to population based on a 2022 population of 41,892. This was determined using connections x 3 (which is reasonable for Kyle household size).
- Provided spreadsheet showing expected annual growth of 4.82% through 2035 (slightly higher than TWDB growth rate of 4.4%). Then projected annual rate drops to 3% through 2040, 2.5% through 2045, 2% through 2050, and continues dropping every five years or so (0.25% by 2070).
- Buildout is anticipated at 200,000 people.

Kyle Growth Trends



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	87.7	87.4	87.4	87.4	87.4	87.4
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

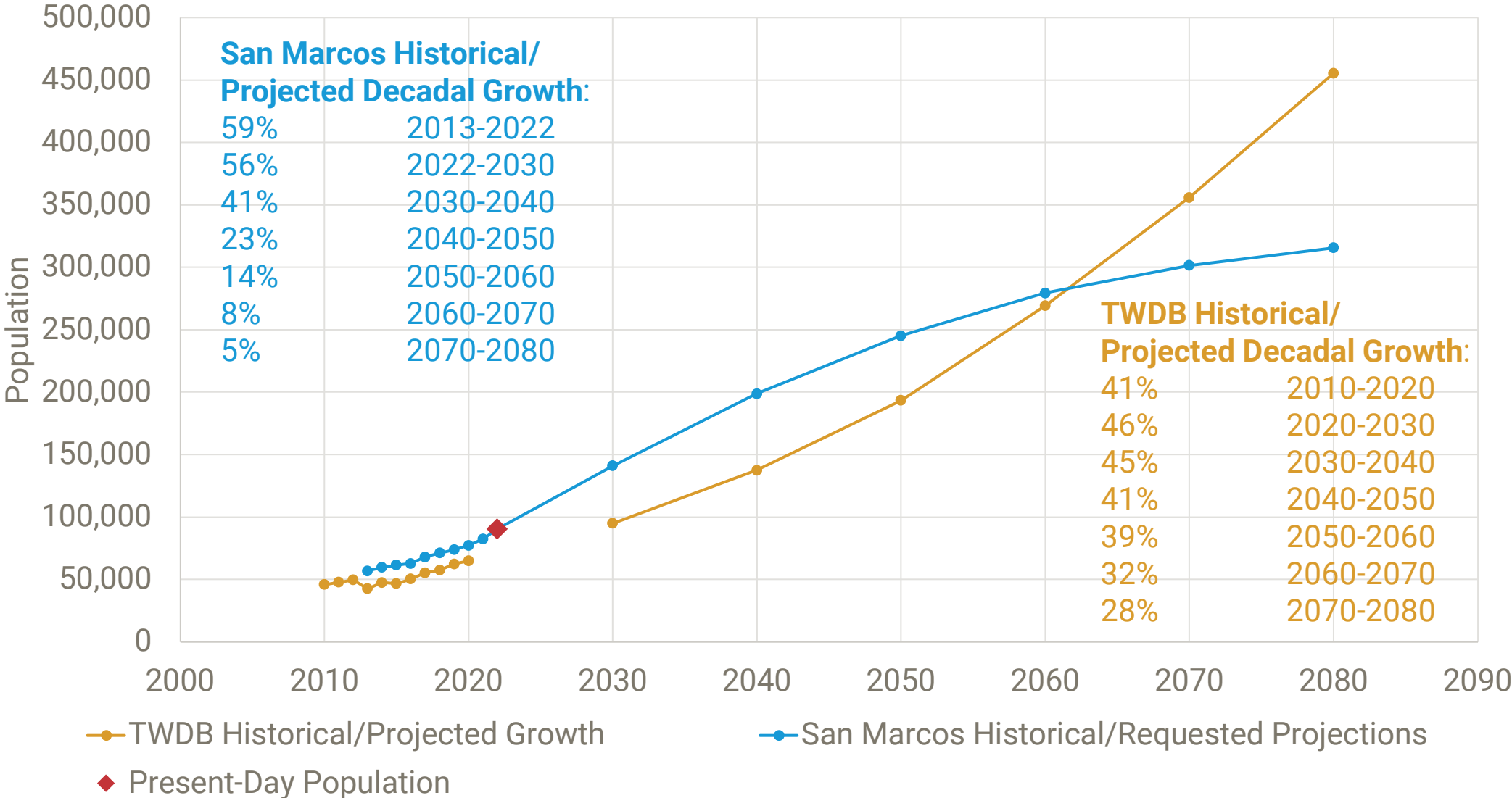
- Maxwell SUD is split between Caldwell and Hays County
- Maxwell has contracted subdivisions to add an additional 7,700 connections to come on board as fast as the economy will let them.
 - There are another 10,000+ LUE in water service requests, but contracts have not been signed to date
- Impact Fee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

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	140,913	198,869	245,241	279,444	301,489	315,690
Demand (ac-ft/yr)	17,284	23,836	28,707	32,303	34,447	36,069
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.

San Marcos Growth Trends



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	9,413	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

- 2030 population based on current number of occupied beds on campus within Texas State’s PWS, plans for a 1,006 bed residence to open in August 2024, and RFQ for 931-bed residence to open in August 2025.
- Future growth – Texas State University plans on growing its San Marcos campus to 50,000 students in 10 years with a slower growth after that.

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*
- Canyon Lake Water Service*
(Not in draft projections in Medina Co.)
- 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

Updated since June 27 PWD Mtg

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
Canyon Lake Water Service* (TX Water)	396	563	624	647	655	663
Castroville	6,496	7,081	7,930	9,120	10,214	10,929
County-Other, Medina	5,628	6,620	6,846	6,140	5,673	5,970
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)	60,936	79,204	83,631	87,079	90,594	92,654

Canyon Lake Water Service* (Texas Water Co.)

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	0	0	0	0	0	0
Demand (ac-ft/yr)	0	0	0	0	0	0
GPCD	109	108.6	108.6	108.6	108.6	108.6
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	396	563	624	647	655	663
Demand (ac-ft/yr)	48	68	76	79	80	81
GPCD	109	108.6	108.6	108.6	108.6	108.6

- Development called Summit Ridge in Medina County is identified as part of Canyon Lake Water Service (Texas Water Co.). TCEQ DWW still identifies it as Summit Ridge.
- Has a 2022 population of around 200 people, per their Growth and Demand Projections Report by FNI.
- Requested projections are based on the Growth and Demand Projections Report.

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)	2,151	2,065	2,016	2,027	2,039	2,051
GPCD	243	243	243	243	243	243

- Per 2020-2022 Annual Groundwater Withdrawal Reports, Hondo is consistently pumping 2,100+ ac-ft/yr. Based on utility water audits (2017-2022), Hondo requests 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. Population changes are only requested for Bexar 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)
- Documentation provided shows locations in Medina County where they have utility service agreements for over 8,000 LUEs. (approximately 22,000 population based on SAWS 2.75 persons per household). Additional room for growth beyond that.

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

Concan WSC requested 0.5 migration scenario and requested BV share their 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.”

* WUG split between other counties

Uvalde County Requested Population Changes (0.5) with Bump

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (0.5)	24,095	23,623	22,929	22,142	21,309	20,428
DRAFT Population (0.5) plus bump due to 5% Hispanic undercount	24,967	24,478	23,759	22,944	22,080	21,167
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Concan WSC	294	286	278	266	254	240
County-Other, Uvalde	3,423	3,013	2,396	1,697	973	285
Knippa WSC	495	485	469	450	430	405
Sabinal	1,292	1,262	1,220	1,170	1,116	1,056
Uvalde	17,947	18,047	18,147	18,247	18,347	18,397
Windmill WSC (1.0)	1,516	1,385	1,249	1,114	960	784
Population with Revisions (0.5) plus bump due to 5% Hispanic undercount	24,967	24,478	23,759	22,944	22,080	21,167

Uvalde County is 72.4% Hispanic

Uvalde

TWDB 0.5 PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	16,105	15,814	15,379	14,889	14,384	13,875
Demand (ac-ft/yr)	3,724	3,646	3,546	3,433	3,316	3,199
GPCD	206.4	205.8	205.8	205.8	205.8	205.8
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	17,947	18,047	18,147	18,247	18,347	18,397
Demand (ac-ft/yr)	4,149	4,160	4,183	4,206	4,229	4,241
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.”
- Showing requested population for 2030, with very small growth each decade following.

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	5,997	5,881	5,633	5,137	4,558	3,875
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	3,135	3,476	3,815	4,114	4,457	4,850
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)	55,858	61,941	67,968	73,304	79,413	86,407

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	3,135	3,476	3,815	4,114	4,457	4,850
Demand (ac-ft/yr)	650	717	786	848	919	1,000
GPCD	185	184	184	184	184	184

- A 200-lot subdivision started 2 years ago now has 50 homes. This development is projected to be completed by 2030, adding 150 new homes. A new approved development adjoining HEB to the west has 80 projected homes and 300 apartment units. By 2030, these should all be constructed (18 homes per year). These 530 (150 + 380) units at an average of 2.5 people per unit will add 1,325 to the current population. Assuming the current population is about 1,800 (historical populations provided by the TWDB range from 1,901 in 2010 to 1,861 in 2020), the population is estimated to be **3,135 in 2030**.
- Assume La Vernia grows at the same rate as with the rest of the county.

Agenda Item 2:

Discussion and Appropriate Action Regarding Recommendation for Feedback to TWDB

Recommendation Summary

**Recommend utilizing
the 0.5 migration
scenario**

Dimmit
Refugio
Zavala
Uvalde (with 5% bump)

**Recommend
utilizing the 1.0
migration scenario**

Wilson

**Recommend
utilizing the 1.0
migration scenario
and requesting
higher population**

Bexar
Caldwell
Comal
Guadalupe
Hays
Medina

Dimmit County

Recommend utilizing the 0.5 migration scenario
Workgroup to consider approval.

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

Refugio County

Recommend utilizing the 0.5 migration scenario
Workgroup to consider approval.

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

Zavala County

Recommend utilizing the 0.5 migration scenario
Workgroup to consider approval.

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

Uvalde County Requested Population Changes (0.5) with Bump

Decrease
Increase

TWDB COUNTY POPULATION	2030	2040	2050	2060	2070	2080
DRAFT Population (0.5)	24,095	23,623	22,929	22,142	21,309	20,428
DRAFT Population (0.5) plus bump due to 5% Hispanic undercount	24,967	24,478	23,759	22,944	22,080	21,167
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Concan WSC	294	286	278	266	254	240
County-Other, Uvalde	3,423	3,013	2,396	1,697	973	285
Knippa WSC	495	485	469	450	430	405
Sabinal	1,292	1,262	1,220	1,170	1,116	1,056
Uvalde	17,947	18,047	18,147	18,247	18,347	18,397
Windmill WSC (1.0)	1,516	1,385	1,249	1,114	960	784
Population with Revisions (0.5) plus bump due to 5% Hispanic undercount	24,967	24,478	23,759	22,944	22,080	21,167

Uvalde County is 72.4% Hispanic

Workgroup to consider approval.

Wilson County Requested Population Changes

Decrease
Increase

Workgroup to consider approval.

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	5,997	5,881	5,633	5,137	4,558	3,875
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	3,135	3,476	3,815	4,114	4,457	4,850
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)	55,858	61,941	67,968	73,304	79,413	86,407

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	7,806	7,806	7,806	7,806	7,806
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	2,077	3,589	5,171	5,558	6,081	4,343
East Central SUD*	45,458	51,420	56,763	61,513	66,950	73,173
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)	2,555,076	2,951,404	3,222,978	3,470,641	3,699,975	3,945,495

Workgroup to consider approval.

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	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	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)	2,555,076	2,951,404	3,222,978	3,470,641	3,699,975	3,945,495

Workgroup to consider approval.

Leon Valley

Workgroup to consider approval of GPCD change.

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*

Workgroup to consider approval of GPCD change.

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. Population changes are only requested for Bexar 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.

Met with TWDB staff to show them the historical and projected growth rates

Caldwell County Requested Population Changes

Updated since June 27 PWD Mtg

Decrease
Increase

Workgroup to consider approval.

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	6,200	7,000	7,440
County-Other, Caldwell	703	936	1,684	1,295	1,840	3,159
Creedmoor-Maha WSC*	10,569	19,158	27,716	36,246	44,840	53,508
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*	917	917	917	917	917	917
Tri Community WSC*	1,368	1,416	1,463	1,521	1,585	1,655
Population with Revisions (1.0)	67,191	83,988	100,497	116,808	134,861	151,345

Camino Real Utility Population within
Creedmoor-Maha WSC

8,100 16,200 24,300 32,400 40,500 48,600

County-Other adjusted based on County Line SUD, Lockhart, and Martindale WSC increases

County Line SUD*

Workgroup to consider approval of GPCD change.

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	6,200	7,000	7,440
Demand (ac-ft/yr)	235	352	433	556	627	667
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.

Maxwell SUD*

Workgroup to consider approval of GPCD change.

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

Impact Fee report provided as supporting documentation

San Marcos*

Workgroup to consider approval of GPCD change.

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	917	917	917	917	917	917
Demand (ac-ft/yr)	112	110	107	106	105	105
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.

No population changes requested in Caldwell County.

Comal County Requested Population Changes

Updated since June 27 PWD Mtg

Decrease
Increase

Workgroup to consider approval.

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 (TWC)*	96,790	131,708	153,866	168,240	219,030	278,197
Clear Water Estates Water System	898	1,253	1,725	2,325	3,010	3,795
County-Other, Comal	20,649	24,003	33,812	71,364	98,879	129,543
Crystal Clear SUD*	15,217	19,162	19,162	19,162	19,162	19,162
Fair Oaks Ranch*	1,893	2,259	2,442	2,515	2,533	2,533
Garden Ridge	5,786	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*	2,394	2,651	2,898	3,124	3,332	3,332
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)	261,662	353,419	450,609	584,380	756,273	953,073

Guadalupe County Requested Population Changes

Updated since June 27 PWD Mtg

Decrease
Increase

Workgroup to consider approval.

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	25,890	31,422	37,606	44,137	51,615	60,179
County-Other, Guadalupe	1,712	2,898	4,345	5,860	7,606	9,608
Crystal Clear SUD*	35,538	65,308	77,013	91,463	108,106	127,245
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*	60,872	73,134	86,837	101,313	117,893	136,880
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)	303,659	399,439	479,202	563,441	659,669	769,609

Springs Hill WSC*

Workgroup to consider approval of GPCD change.

TWDB PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	28,758	34,551	41,025	47,864	55,697	64,667
Demand (ac-ft/yr)	2,404	2,870	3,407	3,976	4,626	5,371
GPCD	74.6	74.2	74.2	74.2	74.2	74.2
REQUESTED PROJECTIONS	2030	2040	2050	2060	2070	2080
Population	60,872	73,134	86,837	101,313	117,893	136,880
Demand (ac-ft/yr)	6,587	7,881	9,357	10,917	12,704	14,750
GPCD	96.6	96.2	96.2	96.2	96.2	96.2

Requesting updated baseline 2020 population of 27,054, based on Water Use Survey.

2010-2019 average annual growth rate of 3.7%, but 2020 and 2021 growth was 7% and 15%, respectively, which they expect to continue. Requesting 10% average annual growth to 2030, minus the connection transfer to Seguin. Using TWDB growth rates after 2030.

Transferring 2,209 connections to Seguin by early 2026. Using 3.5 persons per connection.

Provided a spreadsheet identifying future developments with about 10,000 additional connections.

Requesting baseline GPCD be increased from 79 to 101, which is from 2018 (lowest rainfall 2015-2019).

Hays County Requested Population Changes

Updated since June 27 PWD Mtg

Decrease
Increase

Workgroup to consider approval.

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	148,761	167,956	178,513
County-Other, Hays	19,329	17,907	28,866	76,799	129,824	211,964
Creedmoor-Maha WSC*	54	54	54	54	54	54
Crystal Clear SUD*	8,777	15,573	16,746	16,746	16,746	16,747
Goforth SUD*	41,415	65,951	98,260	142,035	192,136	249,490
Kyle	61,050	91,138	124,117	139,145	144,092	147,735
Maxwell SUD*	10,915	16,564	24,478	35,595	50,312	57,543
San Marcos*	140,913	198,869	245,241	279,444	301,489	315,690
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)	336,064	502,006	684,704	879,460	1,053,875	1,240,694

Texas State University

Workgroup to consider approval of GPCD change.

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	9,413	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

2030 population based on current number of occupied beds on campus within Texas State’s PWS, plans for a 1,006 bed residence to open in August 2024, and RFQ for 931-bed residence to open in August 2025.

Future growth – Texas State University plans on growing its San Marcos campus to 50,000 students in 10 years with a slower growth after that.

Medina County Requested Population Changes

Decrease
Increase

Workgroup to consider approval.

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
Canyon Lake Water Service* (TX Water)	396	563	624	647	655	663
Castroville	6,496	7,081	7,930	9,120	10,214	10,929
County-Other, Medina	5,628	6,620	6,846	6,140	5,673	5,970
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)	60,936	79,204	83,631	87,079	90,594	92,654

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

Workgroup to consider approval of GPCD change.

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)	2,151	2,065	2,016	2,027	2,039	2,051
GPCD	243	243	243	243	243	243

- Per 2020-2022 Annual Groundwater Withdrawal Reports, Hondo is consistently pumping 2,100+ ac-ft/yr. Based on utility water audits (2017-2022), Hondo requests a higher GPCD.
- Population projections appear low, but WUG has little supporting documentation to substantiate a change.

Workgroup to consider approval of GPCD change.