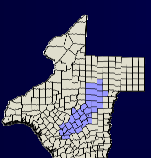


## ***Agenda Item 6.8***

***Water User Groups with Populations 5% Greater than TWDB Projections***

December 3, 2008



# HDR

## ***Overview***

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- ✓ Growth for several WUGs appears to exceed TWDB projections used for 2006 Plan
- ✓ TWDB is amenable to revising population projections for **city** WUGs that demonstrate that 2007 population exceeds TWDB projections
- ✓ 34 city WUGs meet the 5% criteria
- ✓ 7 of 34 are in Johnson County
  - Treated separate due to results of Johnson County portion of 4-County Study
  - Recommended population from 4-County Study are substantially greater than used in 2006 Plan

# Today:

- ✓ Present:
  - List of city WUGs meeting 5% criteria (from TWDB)
  - Graphs comparing total county population estimates for 2001 – 2007 (from TWDB)
  - Preliminary revised TWDB population projections for 27 city WUGs (non-Johnson County) – see packet for table
  - Johnson County projections from 4-County Study
- ✓ Discuss:
  - Procedure for revising population projections
    - ✓ Non-Johnson County city WUGs
    - ✓ Johnson County city WUGs
    - ✓ Johnson County non-city WUGs
  - Path forward – when and how do we make revision requests?

# City WUGs with 5% Projection Error (1)

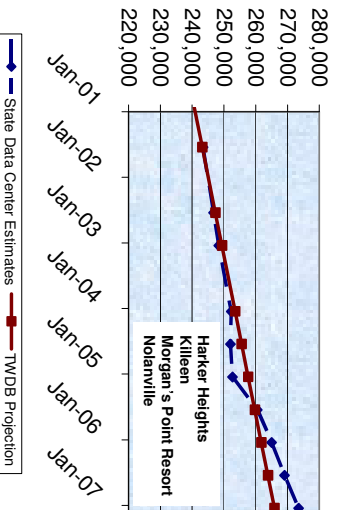
City	U.S. Census Population, 4/1/2000	Projected Population, TWDB, 2010	Estimated Population, State Data Center, 1/1/2007	Projected Population (Interpolated), TWDB, 1/1/2007	Projection "Error"
ALVARADO	3,288	3,595	4,087	3,495	-14.48%
BURLESON	20,976	25,188	32,927	23,819	-27.66%
CAMERON	5,634	5,634	6,037	5,634	-6.68%
CEDAR PARK	26,049	53,622	49,716	44,661	-10.17%
CLYDE	3,344	3,320	3,742	3,328	-11.06%
EASTLAND	3,769	3,777	4,014	3,774	-5.98%
FLORENCE	1,054	1,263	1,291	1,195	-7.44%
GEORGETOWN	28,339	40,888	44,214	36,810	-16.75%
GLEN ROSE	2,122	2,210	2,582	2,181	-15.53%
GRANBURY	5,718	6,843	7,505	6,477	-13.70%
GRANDVIEW	1,358	1,452	1,543	1,421	-7.91%
GRANGER	1,299	1,400	1,524	1,367	-10.30%
HARKER HEIGHTS	17,308	22,477	22,085	20,797	-5.83%
HICO	1,341	1,341	1,417	1,341	-5.36%
HILLSBORO	8,232	8,477	8,839	8,397	-5.00%
HUBBARD	1,586	1,586	1,713	1,586	-7.41%
HUTTO	1,250	1,826	11,201	1,639	-85.37%

# City WUGs with 5% Projection Error (2)

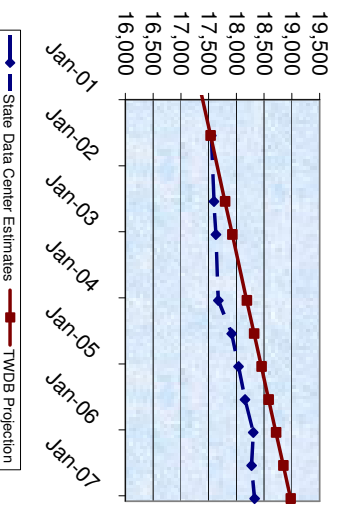
City	U.S. Census Population, 4/1/2000	Projected Population, TWDB, 2010	Estimated Population Data Center, 1/1/2007	Projected Population (Interpolated), TWDB, 1/1/2007	Projection "Error"
ITASCA	1,503	1,499	1,634	1,500	-8.20%
JOSHUA	4,528	5,114	5,299	4,924	-7.08%
KEENE	5,003	5,882	5,971	5,596	-6.28%
KILLEEN	86,911	104,528	107,015	98,802	-7.67%
LAMPASAS	6,786	7,010	7,925	6,937	-12.47%
LEANDER	7,596	11,499	20,175	10,231	-49.29%
MORGANS POINT RESORT	2,989	3,698	3,957	3,468	-12.36%
NOLANVILLE	2,150	2,333	2,545	2,274	-10.65%
RIO VISTA	656	751	768	720	-6.25%
ROBINSON	7,845	8,397	9,024	8,218	-8.93%
ROUND ROCK	61,136	88,993	95,992	79,939	-16.72%
TAYLOR	13,575	15,530	17,202	14,895	-13.41%
THRALL	710	859	921	811	-11.94%
TOLAR	504	504	690	504	-26.96%
VALLEY MILLS	1,123	1,167	1,230	1,153	-6.26%
VENUS	1,892	1,892	2,435	1,892	-22.30%
WHITNEY	1,833	2,046	2,084	1,977	-5.13%



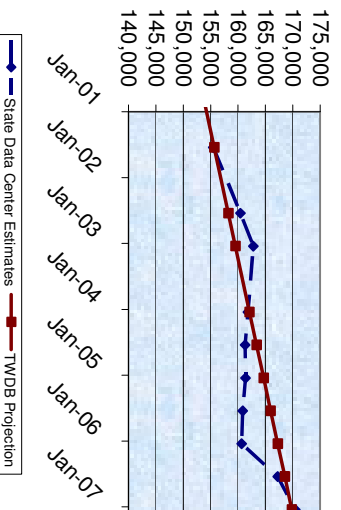
## Bell County



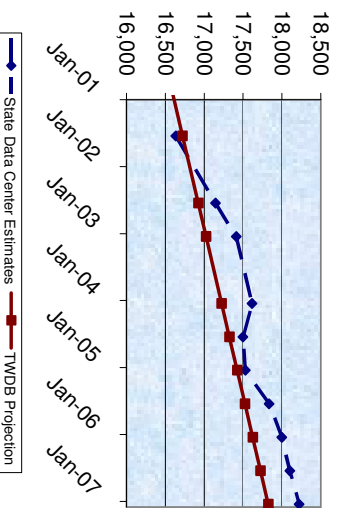
## Bosque County



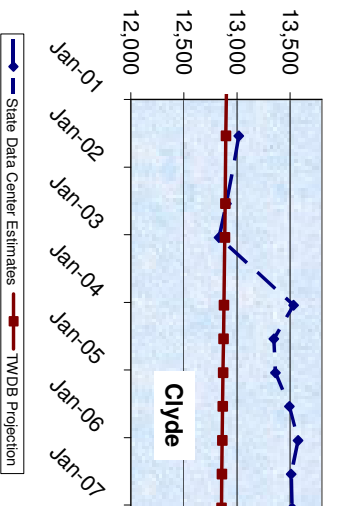
## Brazos County



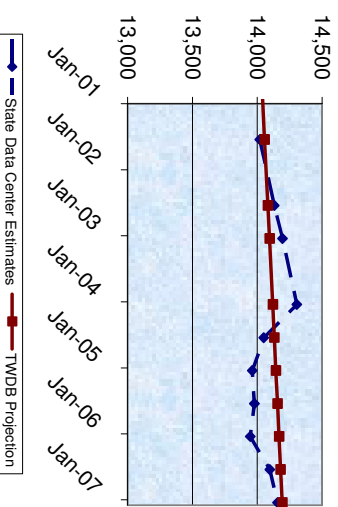
## Burleson County



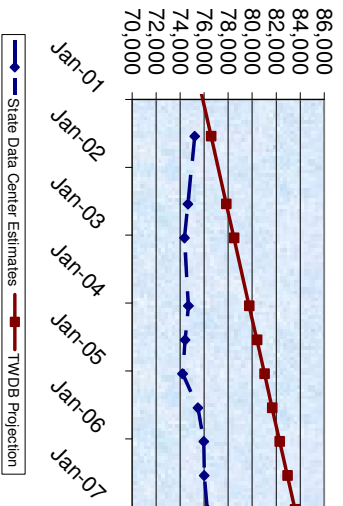
### Callahan County



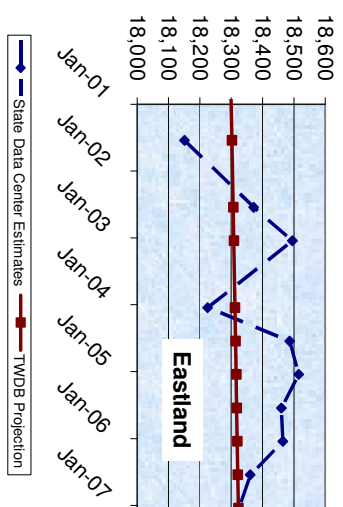
### Comanche County



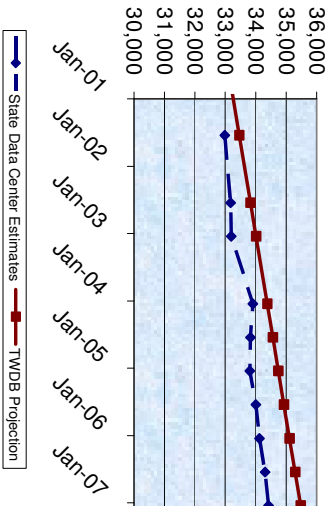
### Coryell County



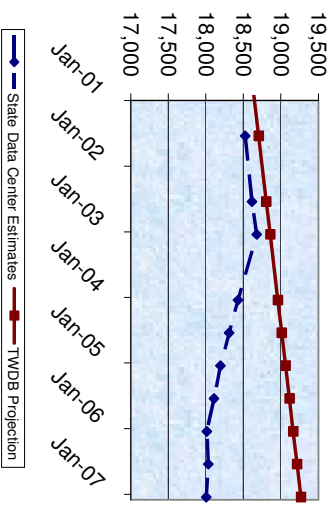
### Eastland County



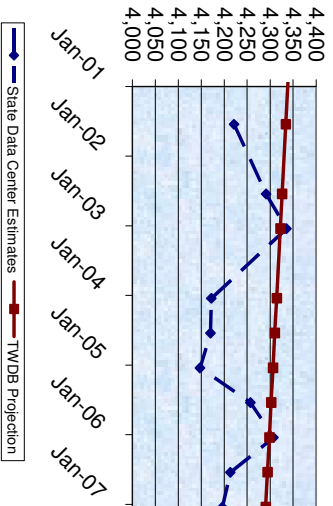
### Erath County



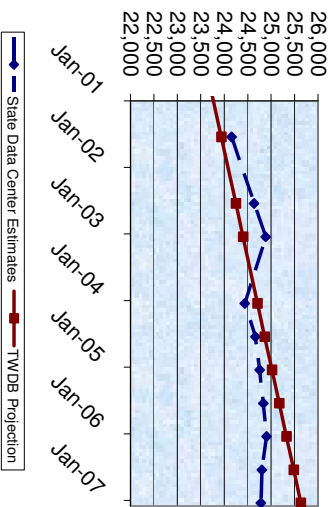
### Falls County



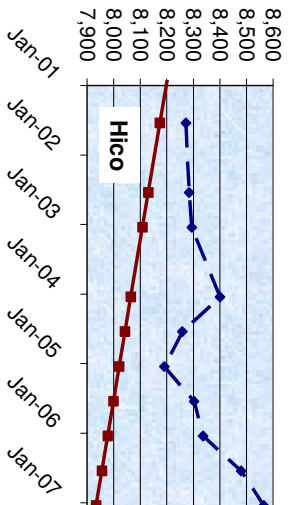
### Fisher County



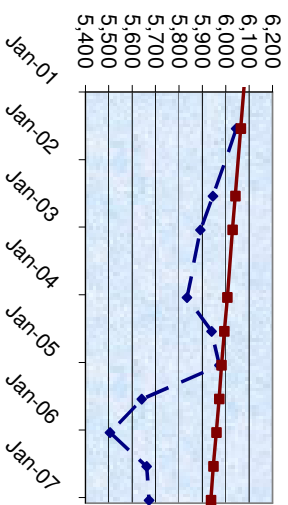
### Grimes County



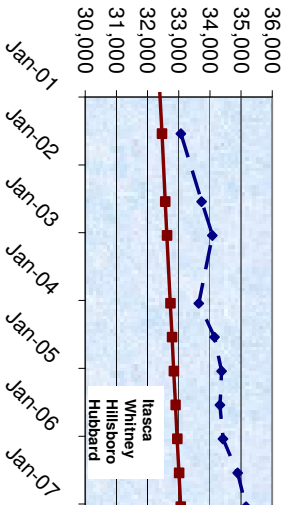
### Hamilton County



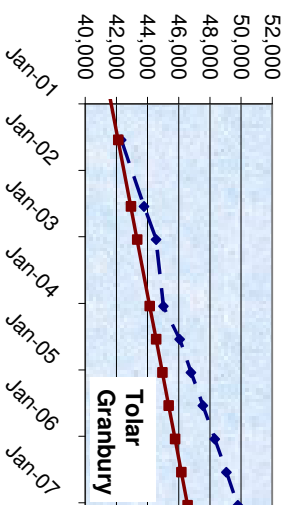
### Haskell County



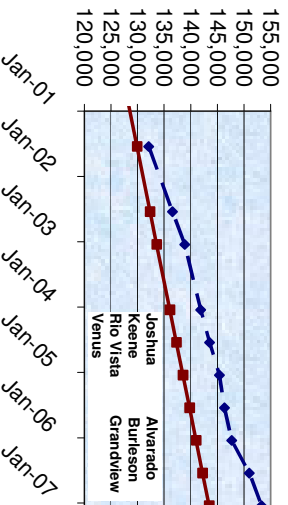
### Hill County



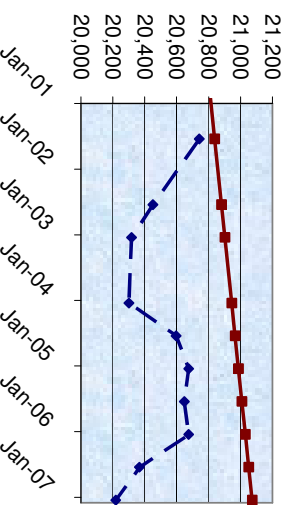
### Hood County



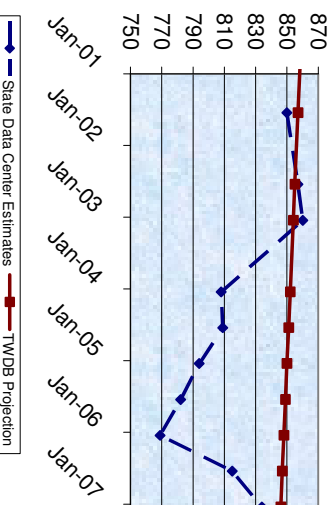
### Johnson County



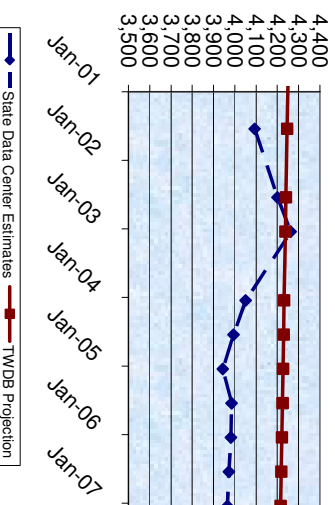
### Jones County



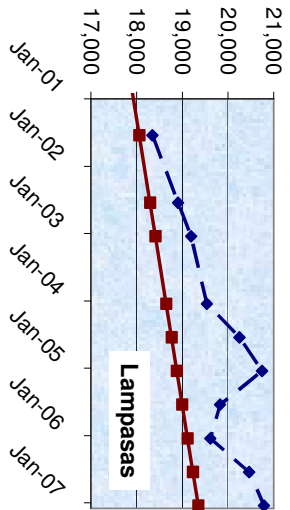
### Kent County



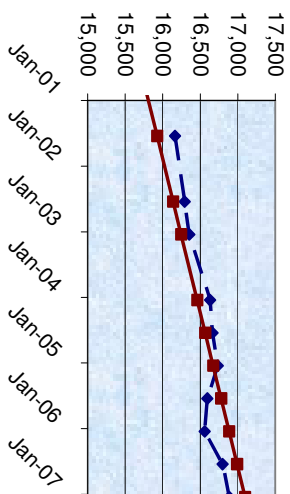
### Knox County



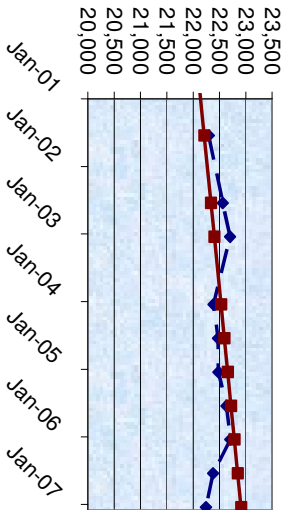
### Lampasas County



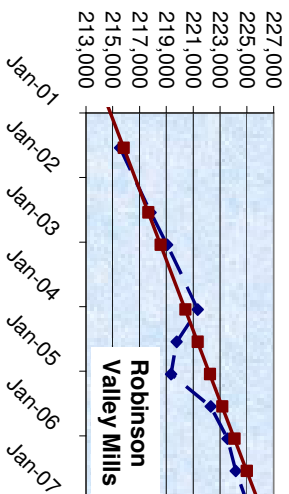
### Lee County



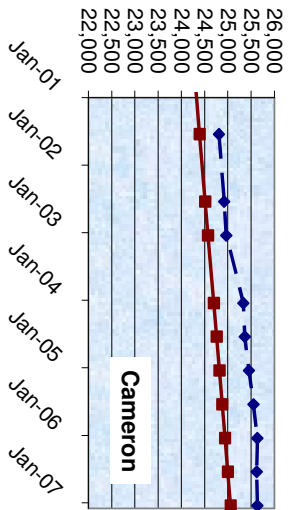
### Limestone County



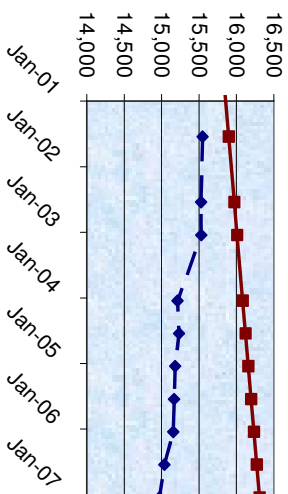
### McLennan County



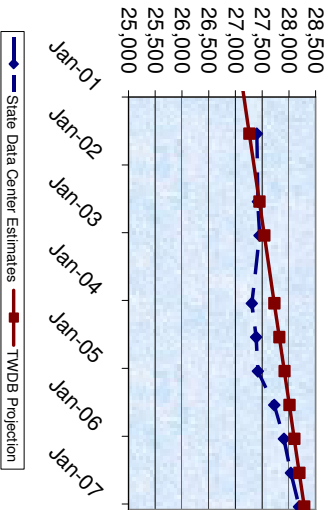
### Milam County



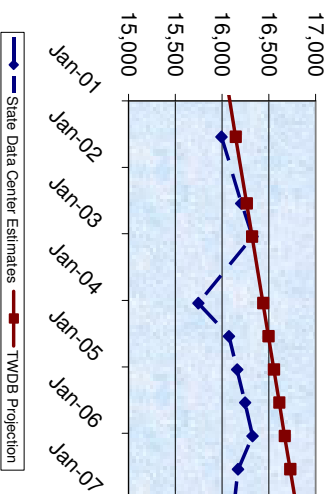
### Nolan County



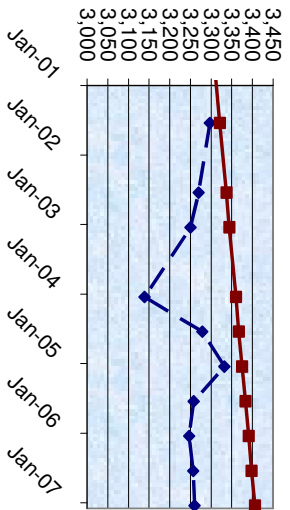
### Palo Pinto County



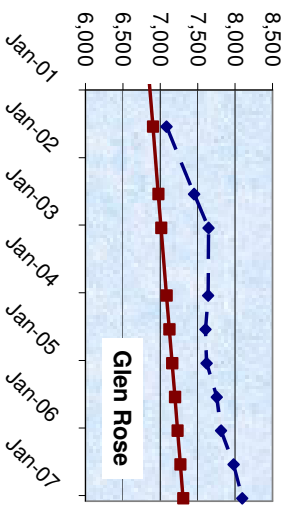
### Robertson County



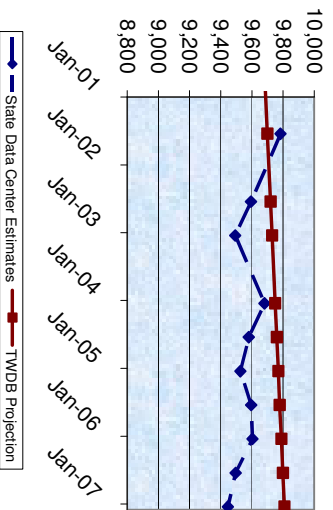
### Shackelford County



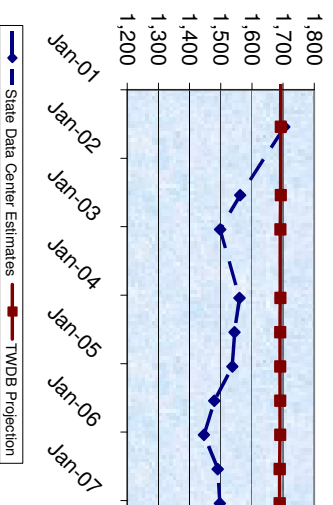
### Somervell County



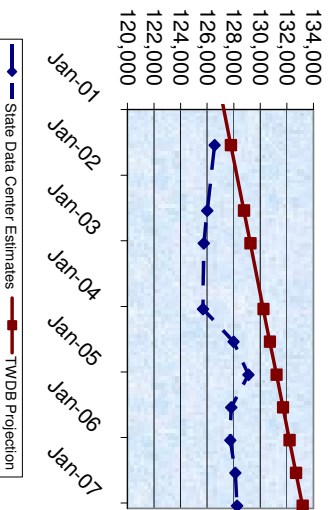
### Stephens County



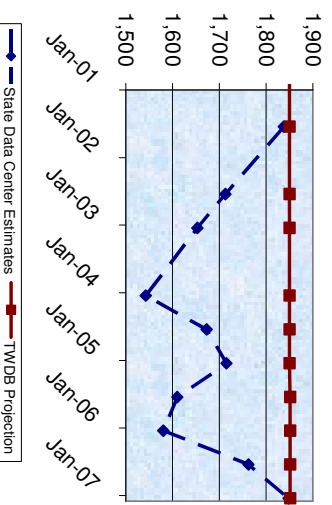
### Stonewall County



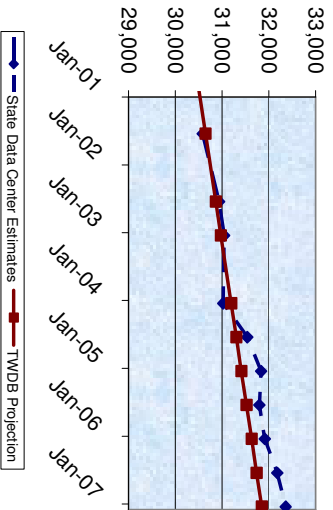
### Taylor County



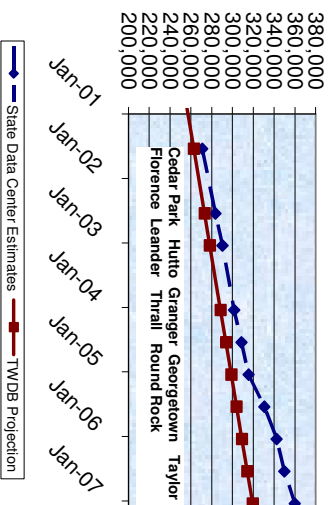
### Throckmorton County



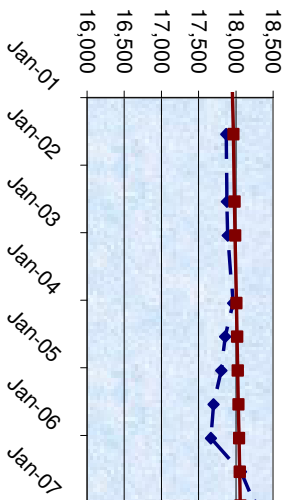
### Washington County



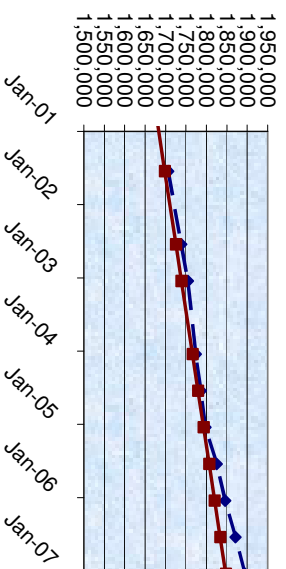
### Williamson County



Young County



Region G



## Population Projections for Johnson County Water User Groups (4-County Study)

WUG	2006 Brazos G RWP Population Projections			Recommended Draft Population Projections (4 County Study)			% Difference		
	2010	2020	2030	2010	2020	2030	2010	2020	2030
Johnson County									
Acton MUD (P)	133	171	211	133	171	211	0%	0%	0%
<b>Avarado</b>	<b>3,595</b>	<b>3,957</b>	<b>4,337</b>	<b>4,439</b>	<b>7,535</b>	<b>10,766</b>	<b>23%</b>	<b>90%</b>	<b>148%</b>
Bethany WSC	3,373	3,813	4,275	4,300	4,500	4,750	27%	18%	11%
Bethesda WSC (P)	19,035	24,199	29,625	19,035	24,199	29,625	0%	0%	0%
<b>Burleson (P)</b>	<b>20,303</b>	<b>23,588</b>	<b>27,039</b>	<b>27,206</b>	<b>42,037</b>	<b>52,747</b>	<b>34%</b>	<b>78%</b>	<b>95%</b>
Cleburne	29,158	32,872	36,774	30,946	38,683	48,353	6%	18%	31%
Godley	1,136	1,439	1,757	1,136	1,439	1,757	0%	0%	0%
<b>Grandview</b>	<b>1,452</b>	<b>1,562</b>	<b>1,678</b>	<b>1,600</b>	<b>2,000</b>	<b>2,500</b>	<b>10%</b>	<b>28%</b>	<b>49%</b>
JCSUD	43,983	56,147	68,926	32,281	62,090	94,540	-27%	11%	37%
<b>Joshua</b>	<b>5,114</b>	<b>5,805</b>	<b>6,531</b>	<b>5,523</b>	<b>7,895</b>	<b>11,369</b>	<b>8%</b>	<b>36%</b>	<b>74%</b>
<b>Keene</b>	<b>5,882</b>	<b>6,917</b>	<b>8,004</b>	<b>5,882</b>	<b>6,917</b>	<b>8,004</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
Mansfield (P)	626	631	636	10,833	23,472	37,827	1631%	3620%	5848%
Mountain Peak SUD (P)	1,733	2,360	3,019	1,979	3,039	4,460	14%	29%	48%
Parker WSC (P)	2,187	2,697	3,233	2,311	2,396	2,481	6%	-11%	-23%
<b>Rio Vista</b>	<b>751</b>	<b>863</b>	<b>981</b>	<b>751</b>	<b>863</b>	<b>981</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
<b>Venus (P)</b>	<b>1,892</b>	<b>1,892</b>	<b>1,892</b>	<b>2,766</b>	<b>3,795</b>	<b>5,425</b>	<b>46%</b>	<b>101%</b>	<b>187%</b>
County-Other	11,115	11,596	12,102	11,115	11,596	12,102	0%	0%	0%
<i>Johnson County Total</i>	<i>151,468</i>	<i>180,509</i>	<i>211,020</i>	<i>162,236</i>	<i>242,627</i>	<i>327,898</i>	<i>7%</i>	<i>34%</i>	<i>55%</i>

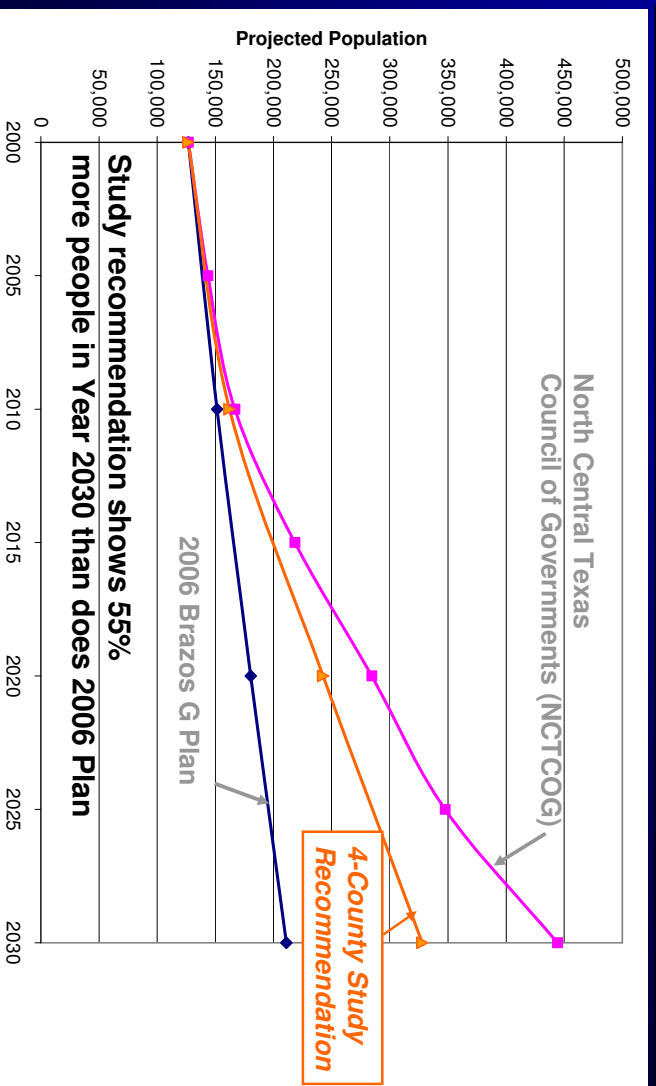
Notes: 1. JCSUD includes Johnson County FWD.

2. Acton MUD, Bethesda WSC, Godley, Keene, Rio Vista, & Johnson County-Other have no changes recommended.

3. Cleburne "projection error" in 2007 is -4.85%.

4. Mansfield "projection error" in 2007 is not included in TWDB list.

# Johnson County Population Projections



# Suggested Procedure for Revisions

## Three separate actions:

1. Non-Johnson County city WUGs (27 total)
  - Schedule public meeting for January
    - ✓ Accept public input regarding revisions
    - ✓ Consider requesting TWDB to make revisions
2. Johnson County city WUGs (7 > 5% plus Cleburne and Mansfield)
  - Direct BRA/HDR to submit 4-County Study projections to TWDB
  - Request TWDB to prepare revised projections through 2060
  - Schedule public meeting (same January meeting?)
    - ✓ Accept public input
    - ✓ Consider requesting TWDB to make the revisions
3. Johnson County non-city WUGs
  - Follow same procedure as city WUGs
  - Recognize that TWDB may find these projections more difficult

# *Questions/Discussion*

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