



# TEXAS WATER DEVELOPMENT BOARD



James E. Herring, *Chairman*  
Lewis H. McMahan, *Member*  
Edward G. Vaughan, *Member*

J. Kevin Ward  
*Executive Administrator*

Jack Hunt, *Vice Chairman*  
Thomas Weir Labatt III, *Member*  
Joe M. Crutcher, *Member*

**TO:** Board Members

**THROUGH:** Carolyn L. Brittin, Deputy Executive Administrator, Water Resources Planning and Information *CLB*  
Dan Hardin, Director, Water Resources Planning *DH*

**FROM:** Stuart D. Norvell, Manager, Water Planning Research and Analysis *SN*

**DATE:** May 13, 2009

**SUBJECT:** Revision of Population and Municipal Water Demand Projections for the Brazos G (Region G) Regional Water Planning Area

## ACTION REQUESTED

Consider approval of revised population and water demand projections for the Brazos G Regional Water Planning Area (Region G).

## BACKGROUND

Population and water demand projections approved for the 2007 State Water Plan are serving as the basis for the current planning cycle. However, the Texas Water Development Board (TWDB) may consider requests to amend 2007 population and water demand projections if conditions in a planning region have changed significantly.

As specified in Section 357.5 (d)(2), Title 31 of the Texas Administrative Code (TAC), entities wishing to revise projections address their requests through their respective regional water planning group. If a planning group concurs, they submit requests to the Executive Administrator of the TWDB for Board review and consideration of adoption.

TWDB staff coordinates reviews of each request with representatives from the Texas Commission on Environmental Quality (TCEQ), the Texas Parks and Wildlife Department (TPWD), and the Texas Department of Agriculture (TDA). Designated agency representatives review revisions to assess whether the changes are warranted. The Board is ultimately responsible for rejecting or approving and adopting requested revisions.

### *Our Mission*

*To provide leadership, planning, financial assistance, information, and education for the conservation and responsible development of water for Texas.*

P.O. Box 13231 • 1700 N. Congress Avenue • Austin, Texas 78711-3231  
Telephone (512) 463-7847 • Fax (512) 475-2053 • 1-800-RELAYTX (for the hearing impaired)  
[www.twdb.state.tx.us](http://www.twdb.state.tx.us) • [info@twdb.state.tx.us](mailto:info@twdb.state.tx.us)

TNRIS - Texas Natural Resources Information System • [www.tnr.is.state.tx.us](http://www.tnr.is.state.tx.us)  
*A Member of the Texas Geographic Information Council (TGIC)*



**REQUESTED REVISIONS**

Representatives of several political subdivisions have requested that the Region G planning group revise existing population and municipal water demand projections. At a public meeting held on April 15, 2009, the planning group reviewed and approved the request.

Region G has requested increases in population totals ranging from 3.98 percent to 5.05 percent over the planning horizon (Table 1). These increases would raise state population totals by less than 0.4 percent over the planning horizon (Attachment A contains adjustments at the county and local level). The TWDB generated corresponding increases in water demands by multiplying revised populations by per capita use values from the 2007 State Water Plan. On a regional level, municipal water demand projections increases range from 3.36 percent to 5.13 percent, and state level projections rise by an average of 0.30 percent (Table 2).

**Table 1: Requested Changes to 2007 Board Approved Population Projections (Region G)**

<b>Regional Level Projections</b>	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
2006 Brazos G Regional Water Plan	1,882,896	2,168,682	2,458,075	2,739,717	3,034,798	3,332,100
Requested Revisions	1,957,767	2,278,243	2,576,783	2,873,382	3,164,777	3,448,879
Change	+ 74,871	+ 109,561	+ 118,708	+ 133,665	+ 129,979	+ 116,779
Percent Change	+ 3.98%	+ 5.05%	+ 4.83%	+ 4.88%	+ 4.28%	+ 3.50%
<b>Impact on State Level Projections</b>	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
2007 State Water Plan Projections	24,915,388	29,117,53	33,052,506	36,893,267	41,071,40	45,558,282
Change	+ 74,871	+ 109,561	+ 118,708	+ 133,665	+ 129,979	+ 116,779
Percent Change	+ 0.30%	+ 0.38%	+ 0.36%	+ 0.36%	+ 0.32%	+ 0.26%

**Table 2: Corresponding Changes to 2007 Board Approved Municipal Water Demand Projections (Region G)**

<b>Regional Level Projections</b>	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
2006 Brazos G Regional Water Plan	347,389	397,090	444,820	491,312	542,172	595,482
Requested Revisions	361,419	417,462	466,106	515,151	565,027	615,483
Change	+ 14,030	+ 20,372	+ 21,282	+ 23,839	+ 22,855	+ 20,001
Percent Change	+ 4.04%	+ 5.13%	+ 4.78%	+ 4.85%	+ 4.22%	+ 3.36%
<b>Impact on State Level Projections</b>	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
2007 State Water Plan Projections	4,770,50	5,483,790	6,120,377	6,739,592	7,450,792	8,258,942
Change	+14,030	+20,372	+21,282	+23,839	+22,855	+20,001
Percent Change	+0.29%	+0.37%	+0.35%	+0.35%	+0.31%	+0.24%

After satisfying required public notice and public hearing requirements, the Region G Planning Group is requesting that the Board review and consider approval of this amendment. TWDB staff and representatives of coordinating agencies have reviewed the requested amendment and have determined that the recommended changes are in compliance with the criteria for demand revisions as specified in administrative rules and the TWDB's *Guidelines for Regional Water Plan Development (2007-2012)*.

**ANTICIPATED OPPOSITION**

None.

**RECOMMENDATION**

Staff recommends approval of the revised population and water demand projections for Region G.



Board Members  
May 13, 2009  
Page 4

This recommendation has been reviewed by legal counsel and is in compliance with applicable statutes and Board rules.

A handwritten signature in blue ink, appearing to read "Ken Petersen", is written over a horizontal line.

Ken Petersen  
General Counsel

Attachment A: Staff Review of the Proposed Projections and Staff Recommendations to the Executive Administrator (includes requested revisions for individual water user groups)

## **Attachment A**

**Staff Review of the Proposed Projections and Staff Recommendations to the  
Executive Administrator  
(includes requested revisions for individual water user groups)**




# TEXAS WATER DEVELOPMENT BOARD

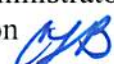




James E. Herring, *Chairman*  
Lewis H. McMahan, *Member*  
Edward G. Vaughan, *Member*

J. Kevin Ward  
*Executive Administrator*

Jack Hunt, *Vice Chairman*  
Thomas Weir Labatt III, *Member*  
Joe M. Crutcher, *Member*

**TO:** J. Kevin Ward, Executive Administrator 

**THROUGH:** Carolyn L. Brittin, Deputy Executive Administrator  
Water Resources Planning and Information   
Dan Hardin, Director, Water Resources Planning   
Water Resources Planning and Information

**FROM:** Stuart D. Norvell, Texas Water Development Board   
Steve Densmore, Texas Commission on Environmental Quality  
Cindy Loeffler, Texas Parks and Wildlife Department  
Gary Walker, Texas Department of Agriculture

**DATE:** April 27, 2009

**SUBJECT:** Revised Population and Water Demand Projections for the Brazos G  
(Region G) Regional Water Planning Area (2007-2012 Planning Cycle)

## Background

Population and water demand projections from the 2007 State Water Plan are serving as the basis for projections in the current planning cycle. However, the Texas Water Development Board (TWDB) may consider requests to amend 2007 population and water demand projections if conditions in a planning region have changed significantly.

As specified in Section 357.5 (d)(2), Title 31 of the Texas Administrative Code (TAC), entities wishing to revise projections address their requests through their respective regional water planning group. If a planning group concurs, they submit requests to the Executive Administrator of the TWDB.

TWDB staff coordinates reviews of each request with the Texas Commission on Environmental Quality, the Texas Parks and Wildlife Department, and the Texas Department of Agriculture. Designated representatives from each agency must recommend each revision. The Board is responsible for approving and adopting population and water demand projections as specified in (§357.5 (d)(1), 31 TAC).

### *Our Mission*

*To provide leadership, planning, financial assistance, information, and education for the conservation and responsible development of water for Texas.*

P.O. Box 13231 • 1700 N. Congress Avenue • Austin, Texas 78711-3231  
Telephone (512) 463-7847 • Fax (512) 475-2053 • 1-800-RELAYTX (for the hearing impaired)  
[www.twdb.state.tx.us](http://www.twdb.state.tx.us) • [info@twdb.state.tx.us](mailto:info@twdb.state.tx.us)

TNRIS - Texas Natural Resources Information System • [www.tnris.state.tx.us](http://www.tnris.state.tx.us)  
*A Member of the Texas Geographic Information Council (TGIC)*



## **Requested Revisions**

Representatives of several political subdivisions have requested that the Region G Planning Group revise existing population and municipal water demand projections. At a public meeting held on April 15, 2009, the Region G Planning Group reviewed and approved the request, and have asked the Board to examine and subsequently reject or approve the revisions.

Prior to submittal to the Board, reviewing agencies (the TWDB, TCEQ, TDA and TPWD) examined requested changes. To ensure consistency and to maintain public credibility in Board projections, population estimates published by the Texas State Data Center (TSDC) served as the primary benchmark for assessing the accuracy of requests. The base year for TWDB projections in the 2002-2007 planning cycle was 2000, which is the same year that the U.S. Department of Commerce released results of the U.S. Census. In years in between census releases, the State Data Center generates annual estimates for each county in Texas. Using these estimates, requested changes were evaluated using the following standards:

- 1) if State Data Center population estimates for 2007 exceed TWDB projected values for the same year, increases in regional totals in an amount comparable to the difference were considered justifiable (Table A-1); and
- 2) if State Data Center estimates were less than TWDB projections, requested increases to regional level totals were *not* considered valid; however, in some cases localized sub-regional adjustments and redistributions of projected populations were considered reasonable as long as regional totals did not increase.

To maintain county and regional level totals, planning groups offset increases by redistributing population at the sub-county level. For example, if increased projections for a given county were not justified, increases for a city could be offset by reducing “county-other” populations.

In addition, some planning groups included “new” Water User Groups (WUGs) previously included in the category of county-other. To qualify as new WUGs, a city must now have a population of at least 500 and non-city WUGs (e.g., utilities, water supply corporations) must provide on average 250,000 gallons per day to residential, commercial or institutional customers (i.e., municipal water use).

On average, across all regions TSDC estimates exceed projections by 1.2 percent. For Region G, TWDB projections were low by a factor of (-2.54) percent, and thus a regional level increase for Region G is warranted. Region G has requested increases in regional population totals ranging from 3.98 percent to 5.05 percent over the planning horizon (Tables A-2 and A-3).

For WUGs with increases in population, the TWDB generated corresponding water demands by multiplying revised populations by per capita use value used in the 2007 State Water Plan. For new WUGs in Region G (Cresson, DeCordova, Jarrell, Kosse, Lipan, Morgan and Tolar) the TWDB determined per capita use rates. On a regional level, municipal water demand projections increases range from 3.36 percent to 5.13 percent over (Tables A-4 and A-5).

After satisfying required public notice and public hearing requirements, Region G has requested that the Executive Administrator of the TWDB review and approve this amendment. TWDB staff and representatives of coordinating agencies have reviewed the requested amendment and have determined that the recommended changes are in compliance with the criteria for demand revisions as specified in administrative rules and the TWDB's *Guidelines for Regional Water Plan Development* (2007-2012).

Steve Densmore  Date 4/29/2009  
Texas Commission on Environmental Quality

Stuart Norvell  Date 27 April 2009  
Texas Water Development Board

Cindy Loeffler  Date 4/27/09  
Texas Parks and Wildlife Department

Gary Walker  Date 4/27/09  
Texas Department of Agriculture

ATTACHMENT(S): Texas State Data Center Population Estimates (2007) and TWDB Population Projections for 2007



**Table A-1: Comparison of Texas State Data Center Population Estimates (2006) and TWDB Population Projections for 2006**

County	U.S. Census Population (2000)	Texas State Data Center Population Estimates (2006)	TWDB Projected Population (2006)*	Difference between TWDB (2006) and State Data Center (2006)
Bell	237,974	273,458	265,878	-2.77%
Bosque	17,204	18,329	18,977	3.54%
Brazos	152,415	170,436	169,811	-0.37%
Burleson	16,470	18,223	17,825	-2.18%
Callahan	12,905	13,520	12,854	-4.93%
Comanche	14,026	14,156	14,193	0.26%
Coryell	74,978	76,246	83,570	9.61%
Eastland	18,297	18,325	18,323	-0.01%
Erath	33,001	34,420	35,475	3.07%
Falls	18,576	18,005	19,267	7.01%
Fisher	4,344	4,196	4,290	2.24%
Grimes	23,552	24,780	25,633	3.44%
Hamilton	8,229	8,565	7,933	-7.38%
Haskell	6,093	5,672	5,936	4.65%
Hill	32,321	35,157	33,060	-5.96%
Hood	41,100	49,793	46,572	-6.47%
Johnson	126,811	153,299	143,454	-6.42%
Jones	20,785	20,217	21,073	4.23%
Kent	859	834	846	1.44%
Knox	4,253	3,965	4,215	6.31%
Lampasas	17,762	20,787	19,350	-6.91%
Lee	15,657	16,885	17,096	1.25%
Limestone	22,051	22,245	22,909	2.98%
McLennan	213,517	225,027	225,913	0.39%
Milam	24,238	25,633	25,060	-2.24%
Nolan	15,802	14,972	16,307	8.92%
Palo Pinto	27,026	28,189	28,288	0.35%
Robertson	16,000	16,131	16,786	4.06%
Shackelford	3,302	3,260	3,406	4.48%
Somervell	6,809	8,093	7,304	-9.75%
Stephens	9,674	9,445	9,808	3.84%
Stonewall	1,693	1,497	1,689	12.83%
Taylor	126,555	128,256	133,180	3.84%
Throckmorton	1,850	1,848	1,851	0.16%
Washington	30,373	32,360	31,849	-1.58%
Williamson	249,967	359,979	319,387	-11.28%
Young	17,943	18,263	18,060	-1.11%
<b>Region G</b>	<b>1,664,412</b>	<b>1,894,466</b>	<b>1,847,428</b>	<b>-2.48%</b>

\*TWDB projections based on year 2000 Census data.

**Table A-2: Requested Changes to 2006 Board Approved Population Projections (Region G)**

<b>Regional Level Projections</b>	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
2006 Regional Water Plan Projections	1,882,896	2,168,682	2,458,075	2,739,717	3,034,798	3,332,100
Requested Revisions	1,957,767	2,278,243	2,576,783	2,873,382	3,164,777	3,448,879
Change	+ 74,871	+ 109,561	+ 118,708	+ 133,665	+ 129,979	+ 116,779
Percent Change	+ 3.98%	+ 5.05%	+ 4.83%	+ 4.88%	+ 4.28%	+ 3.50%
<b>Impact on State Level Projections</b>	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
2006 State Water Plan Projections	24,915,388	29,117,537	33,052,506	36,893,267	41,071,409	45,558,282
Change	+ 74,871	+ 109,561	+ 118,708	+ 133,665	+ 129,979	+ 116,779
Percent Change	+ 0.30%	+ 0.38%	+ 0.36%	+ 0.36%	+ 0.32%	+ 0.26%

**Table A-3 Requested Revisions to Region G Population Projections for Water User Groups**

<b>Water User Group</b>	<b>Projections</b>	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
<b>Bell County</b>							
County Other	2006	1,810	1,813	1,810	1,809	1,808	1,809
	2012	1,289	1,223	1,157	1,116	1,089	1,071
	% Change	-28.78%	-32.54%	-36.08%	-38.31%	-39.77%	-40.80%
Harker Heights	2006	22,477	29,147	34,822	39,636	41,096	41,818
	2012	23,869	30,952	36,978	42,090	43,640	44,407
	% Change	6.19%	6.19%	6.19%	6.19%	6.19%	6.19%
Killeen	2006	104,528	117,239	130,315	142,772	156,151	169,937
	2012	113,217	126,985	141,148	154,641	169,132	184,064
	% Change	8.31%	8.31%	8.31%	8.31%	8.31%	8.31%
Morgans Point Resort	2006	3,698	4,191	4,637	4,924	5,109	5,243
	2012	4,219	4,781	5,290	5,617	5,828	5,981
	% Change	14.09%	14.08%	14.08%	14.07%	14.07%	14.08%
Nolanville	2006	2,333	2,460	2,575	2,649	2,697	2,732
	2012	2,611	2,753	2,882	2,965	3,019	3,058



**Table A-3 Requested Revisions to Region G Population Projections for Water User Groups**

<b>County Total</b>	<b>2006</b>	7,790	7,681	7,596	7,624	7,512	7,504
	<b>2012</b>	7,790	7,681	7,596	7,624	7,512	7,504
	<b>% Change</b>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Hill County</b>							
<b>County-Other</b>	<b>2006</b>	2,892	3,144	3,428	3,712	4,014	4,349
	<b>2012</b>	2,074	2,305	2,566	2,827	3,104	3,411
	<b>% Change</b>	-28.28%	-26.69%	-25.15%	-23.84%	-22.67%	-21.57%
<b>Hillsboro</b>	<b>2006</b>	8,477	8,820	9,208	9,595	10,008	10,467
	<b>2012</b>	8,923	9,284	9,692	10,099	10,534	11,017
	<b>% Change</b>	5.26%	5.26%	5.26%	5.25%	5.26%	5.25%
<b>Hubbard</b>	<b>2006</b>	1,586	1,586	1,586	1,586	1,586	1,586
	<b>2012</b>	1,713	1,713	1,713	1,713	1,713	1,713
	<b>% Change</b>	8.01%	8.01%	8.01%	8.01%	8.01%	8.01%
<b>Itasca</b>	<b>2006</b>	1,499	1,493	1,487	1,481	1,474	1,466
	<b>2012</b>	1,633	1,626	1,619	1,612	1,604	1,595
	<b>% Change</b>	8.94%	8.91%	8.88%	8.85%	8.82%	8.80%
<b>Whitney</b>	<b>2006</b>	2,046	2,112	2,187	2,262	2,343	2,432
	<b>2012</b>	2,157	2,227	2,306	2,385	2,470	2,564
	<b>% Change</b>	5.43%	5.45%	5.44%	5.44%	5.42%	5.43%
<b>County Total</b>	<b>2006</b>	33,416	34,947	36,679	38,407	40,252	42,300
	<b>2012</b>	33,416	34,947	36,679	38,407	40,252	42,300
	<b>% Change</b>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Hood County</b>							
<b>Cresson (New WUG)</b>	<b>2006</b>	NA	NA	NA	NA	NA	NA
	<b>2012</b>	295	360	439	536	654	799
	<b>% Change</b>	NA	NA	NA	NA	NA	NA
<b>Decordova (New WUG)</b>	<b>2006</b>	NA	NA	NA	NA	NA	NA
	<b>2012</b>	3,074	3,125	3,177	3,230	3,283	3,337
	<b>% Change</b>	NA	NA	NA	NA	NA	NA
<b>Granbury</b>	<b>2006</b>	6,843	8,202	9,467	10,792	12,461	14,388
	<b>2012</b>	8,073	10,083	11,954	13,914	16,383	19,234
	<b>% Change</b>	17.97%	22.93%	26.27%	28.93%	31.47%	33.68%
<b>Lipan (New WUG)</b>	<b>2006</b>	NA	NA	NA	NA	NA	NA
	<b>2012</b>	599	844	1,189	1,675	2,359	3,323
	<b>% Change</b>	NA	NA	NA	NA	NA	NA
<b>County Total</b>	<b>2006</b>	49,207	58,364	66,888	75,814	87,059	100,045
	<b>2012</b>	49,207	58,364	66,888	75,814	87,059	100,045
	<b>% Change</b>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Johnson County</b>							
<b>Alvarado</b>	<b>2006</b>	3,595	3,957	4,337	4,752	5,267	5,899
	<b>2012</b>	4,204	4,627	5,071	5,556	6,158	6,897
	<b>% Change</b>	16.94%	16.93%	16.92%	16.92%	16.92%	16.92%
<b>Burleson</b>	<b>2006</b>	20,303	23,588	27,039	30,809	35,486	41,224
	<b>2012</b>	27,206	42,037	52,747	52,747	52,747	52,747



**Table A-3 Requested Revisions to Region G Population Projections for Water User Groups**

	% Change	34.00%	78.21%	95.08%	71.21%	48.64%	27.95%
<b>Cleburne</b>	2006	29,158	32,872	36,774	41,036	46,324	52,812
	2012	30,572	34,467	38,558	43,027	48,353	52,812
	% Change	4.85%	4.85%	4.85%	4.85%	4.38%	0.00%
<b>County-Other</b>	2006	11,115	11,596	12,102	12,653	13,338	14,177
	2012	9,014	9,236	9,468	9,717	10,026	10,402
	% Change	-18.90%	-20.35%	-21.76%	-23.20%	-24.83%	-26.63%
<b>Cresson</b>	2006	NA	NA	NA	NA	NA	NA
	2012	78	95	116	141	172	210
	% Change	NA	NA	NA	NA	NA	NA
<b>Grandview</b>	2006	1,452	1,562	1,678	1,805	1,962	2,155
	2012	1,600	2,000	2,500	2,500	2,500	2,500
	% Change	10.19%	28.04%	48.99%	38.50%	27.42%	16.01%
<b>Joshua</b>	2006	5,114	5,805	6,531	7,324	8,308	9,515
	2012	5,503	6,247	7,028	7,881	8,940	10,239
	% Change	7.61%	7.61%	7.61%	7.61%	7.61%	7.61%
<b>Venus</b>	2006	1,892	1,892	1,892	1,892	1,892	1,892
	2012	2,435	2,435	2,435	2,435	2,435	2,435
	% Change	28.70%	28.70%	28.70%	28.70%	28.70%	28.70%
<b>County Total</b>	2006	151,468	180,509	211,020	244,349	285,700	336,431
	2012	159,451	200,381	238,590	268,082	304,454	346,999
	% Change	5.27%	11.01%	13.06%	9.71%	6.56%	3.14%
<b>Lampasas County</b>							
<b>County-Other</b>	2006	6,900	7,879	8,589	9,116	9,462	9,681
	2012	5,688	5,900	6,054	6,169	6,244	7,036
	% Change	-17.57%	-25.12%	-29.51%	-32.33%	-34.01%	-27.32%
<b>Lampasas</b>	2006	7,010	7,246	7,417	7,544	7,627	7,680
	2012	8,222	9,225	9,952	10,491	10,845	10,325
	% Change	17.29%	27.31%	34.18%	39.06%	42.19%	34.44%
<b>County Total</b>	2006	20,114	22,596	24,396	25,731	26,606	27,160
	2012	20,114	22,596	24,396	25,731	26,606	27,160
	% Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Limestone County</b>							
<b>County-Other</b>	2006	7,884	7,537	7,173	6,793	6,393	5,972
	2012	7,384	7,034	6,667	6,284	5,881	5,457
	% Change	-6.34%	-6.67%	-7.05%	-7.49%	-8.01%	-8.62%
<b>Kosse (New WUG)</b>	2006	NA	NA	NA	NA	NA	NA
	2012	500	503	506	509	512	515
	% Change	NA	NA	NA	NA	NA	NA
<b>County Total</b>	2006	23,322	24,944	25,828	26,505	27,177	28,050
	2012	23,322	24,944	25,828	26,505	27,177	28,050
	% Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>McLennan County</b>							
<b>County-Other</b>	2006	27,296	28,937	30,322	31,758	32,667	33,990

**Table A-3 Requested Revisions to Region G Population Projections for Water User Groups**

	2012	26,101	26,538	26,908	27,293	27,534	27,886
	% Change	-4.38%	-8.29%	-11.26%	-14.06%	-15.71%	-17.96%
Robinson	2006	8,397	8,954	9,423	9,910	10,219	10,668
	2012	9,592	11,353	12,837	14,375	15,352	16,772
	% Change	14.23%	26.79%	36.23%	45.06%	50.23%	57.22%
County Total	2006	231,882	250,398	266,002	282,177	292,449	307,378
	2012	231,882	250,398	266,002	282,177	292,449	307,378
	% Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Milan County</b>							
Cameron	2006	5,634	5,634	5,634	5,634	5,634	5,634
	2012	6,231	6,900	7,331	7,596	7,663	7,693
	% Change	10.60%	22.47%	30.12%	34.82%	36.01%	36.55%
County Total	2006	25,456	26,820	27,699	28,239	28,376	28,437
	2012	26,053	28,086	29,396	30,201	30,405	30,496
	% Change	2.35%	4.72%	6.13%	6.95%	7.15%	7.24%
<b>Williamson County</b>							
Cedar Park	2006	52,700	73,421	102,705	128,373	154,089	187,931
	2012	58,665	81,731	88,823	108,018	108,018	108,018
	% Change	11.32%	11.32%	-13.52%	-15.86%	-29.90%	-42.52%
County-Other	2006	2,758	2,187	3,057	12,542	25,493	33,442
	2012	2,379	1,750	2,551	11,961	24,831	32,693
	% Change	-13.74%	-19.98%	-16.55%	-4.63%	-2.60%	-2.24%
Florence	2006	1,263	1,511	1,806	2,127	2,476	2,850
	2012	1,364	1,632	1,951	2,298	2,675	3,079
	% Change	8.00%	8.01%	8.03%	8.04%	8.04%	8.04%
Georgetown	2006	40,888	55,770	73,463	92,702	113,633	136,082
	2012	49,112	66,987	88,239	111,348	136,489	163,453
	% Change	20.11%	20.11%	20.11%	20.11%	20.11%	20.11%
Granger	2006	1,400	1,520	1,663	1,818	1,987	2,168
	2012	1,561	1,695	1,854	2,027	2,215	2,417
	% Change	11.50%	11.51%	11.49%	11.50%	11.47%	11.49%
Hutto	2006	1,826	2,510	3,323	4,207	5,168	6,199
	2012	12,479	17,153	22,709	28,750	35,317	42,363
	% Change	583.41%	583.39%	583.39%	583.38%	583.38%	583.38%
Jarrell	2006	NA	NA	NA	NA	NA	NA
	2012	1,433	1,474	1,517	1,561	1,606	1,652
	% Change	NA	NA	NA	NA	NA	NA
J. Schwertner WSC (New WUG)	2006	3,795	5,070	6,585	8,233	10,026	11,949
	2012	2,362	3,596	5,068	6,672	8,420	10,297
	% Change	-37.76%	-29.07%	-23.04%	-18.96%	-16.02%	-13.83%
Leander	2006	11,499	16,128	21,631	27,615	34,125	41,107
	2012	22,675	31,803	42,654	54,454	67,291	81,059
	% Change	97.19%	97.19%	97.19%	97.19%	97.19%	97.19%
Round Rock	2006	87,187	119,358	157,606	199,196	244,442	292,970
	2012	104,696	143,328	189,257	239,199	293,531	351,804

**Table A-3 Requested Revisions to Region G Population Projections for Water User Groups**

	% Change	20.08%	20.08%	20.08%	20.08%	20.08%	20.08%
<b>Taylor</b>	2006	15,530	17,849	20,606	23,604	26,865	30,363
	2012	17,935	20,613	23,797	27,259	31,025	35,065
	% Change	15.49%	15.49%	15.49%	15.48%	15.48%	15.49%
<b>Thrall</b>	2006	859	1,035	1,245	1,473	1,721	1,987
	2012	976	1,176	1,415	1,674	1,956	2,258
	% Change	13.62%	13.62%	13.65%	13.65%	13.65%	13.64%
<b>County Total</b>	2006	304,154	416,122	550,146	696,412	855,960	1,027,400
	2012	360,086	492,701	626,291	789,743	949,309	1,114,510
	% Change	18.39%	18.40%	13.84%	13.40%	10.91%	8.48%

**Table A-4: Corresponding Changes to 2006 Board Approved Municipal Water Demand Projections (Region G)**

	2010	2020	2030	2040	2050	2060
<b>Regional Level Projections</b>						
2006 Regional Water Plan Projections	347,389	397,090	444,820	491,312	542,172	595,482
Requested Revisions	361,419	417,462	466,106	515,151	565,027	615,483
Change	+14,030	+20,372	+21,282	+23,839	+22,855	+20,001
Percent Change	+4.04%	+5.13%	+4.78%	+4.85%	+4.22%	+3.36%
<b>Impact on State Level Projections</b>						
2006 State Water Plan Projections	4,770,501	5,483,790	6,120,377	6,739,592	7,450,792	8,258,942
Change	+14,030	+20,372	+21,282	+23,839	+22,855	+20,001
Percent Change	+0.29%	+0.37%	+0.35%	+0.35%	+0.31%	+0.24%

**Table A-5 Corresponding Changes to Region G Municipal Water Demand Projections for Water User Groups**

Water User Group	Projections	2010	2020	2030	2040	2050	2060
<b>Bell County</b>							
County Other	2006	280	276	272	270	267	267
	2012	200	187	174	167	161	159
	% Change	-28.57%	-32.25%	-36.03%	-38.15%	-39.70%	-40.45%

**Table A-5 Corresponding Changes to Region G Municipal Water Demand Projections for Water User Groups**

Harker Heights	2006	3,676	4,669	5,461	6,127	6,307	6,417
	2012	3,904	4,959	5,800	6,507	6,698	6,815
	% Change	6.20%	5.31%	6.21%	6.20%	6.20%	6.20%
Killeen	2006	18,031	23,507	25,837	27,827	29,735	31,789
	2012	19,530	25,462	27,985	30,141	32,207	34,432
	% Change	8.31%	8.32%	8.31%	8.32%	8.31%	8.31%
Morgans Point Resort	2006	414	455	493	518	532	546
	2012	473	520	563	591	607	623
	% Change	14.25%	14.29%	14.20%	14.09%	14.10%	14.10%
Nolanville	2006	311	320	326	326	329	334
	2012	349	359	365	365	369	374
	% Change	12.22%	12.19%	11.96%	11.96%	12.16%	11.98%
County Total	2006	58,295	67,750	73,914	78,782	83,127	87,372
	2012	60,039	70,010	76,412	81,485	85,999	90,422
	% Change	2.99%	3.34%	3.38%	3.43%	3.45%	3.49%
<b>Bosque County</b>							
County-Other	2006	806	985	1,105	1,147	1,157	1,182
	2012	718	871	968	990	980	981
	% Change	-10.92%	-11.57%	-12.40%	-13.69%	-15.30%	-17.00%
Morgan (New WUG)	2006	NA	NA	NA	NA	NA	NA
	2012	74	86	99	115	133	156
	% Change	NA	NA	NA	NA	NA	NA
Valley Mills	2006	241	246	248	246	246	247
	2012	265	295	313	316	319	323
	% Change	9.96%	19.92%	26.21%	28.46%	29.67%	30.77%
County Total	2006	2,829	3,138	3,342	3,382	3,389	3,437
	2012	2,839	3,159	3,369	3,410	3,418	3,468
	% Change	0.35%	0.67%	0.81%	0.83%	0.86%	0.90%
<b>Callahan County</b>							
Clyde	2006	271	264	247	230	217	211
	2012	305	297	278	259	245	238
	% Change	12.55%	12.50%	12.55%	12.61%	12.90%	12.80%
County-Other	2006	563	548	517	494	470	460
	2012	527	513	484	463	440	431
	% Change	-6.39%	-6.39%	-6.38%	-6.28%	-6.38%	-6.30%
County Total	2006	1,447	1,419	1,353	1,298	1,247	1,226
	2012	1,445	1,417	1,351	1,296	1,245	1,224
	% Change	-0.14%	-0.14%	-0.15%	-0.15%	-0.16%	-0.16%
<b>Eastland County</b>							
County-Other	2006	816	798	764	724	687	657
	2012	784	767	734	696	660	631
	% Change	-3.92%	-3.88%	-3.93%	-3.87%	-3.93%	-3.96%
Eastland	2006	863	853	825	790	757	722



**Table A-5 Corresponding Changes to Region G Municipal Water Demand Projections for Water User Groups**

	2012	918	908	878	841	806	769
	% Change	6.37%	6.45%	6.42%	6.46%	6.47%	6.51%
<b>County Total</b>	2006	2,939	2,885	2,773	2,639	2,513	2,400
	2012	2,962	2,909	2,796	2,662	2,535	2,421
	% Change	0.78%	0.83%	0.83%	0.87%	0.88%	0.88%
<b>Hamilton County</b>							
<b>County-Other</b>	2006	440	416	392	383	364	363
	2012	431	407	384	375	356	355
	% Change	-2.05%	-2.16%	-2.04%	-2.09%	-2.20%	-2.20%
<b>Hico</b>	2006	285	281	276	272	269	269
	2012	302	297	292	288	285	285
	% Change	5.96%	5.69%	5.80%	5.88%	5.95%	5.95%
<b>County Total</b>	2006	1,279	1,239	1,199	1,176	1,146	1,145
	2012	1,287	1,246	1,207	1,184	1,154	1,153
	% Change	0.63%	0.56%	0.67%	0.68%	0.70%	0.70%
<b>Hill County</b>							
<b>County-Other</b>	2006	373	394	423	453	486	526
	2012	268	289	317	345	376	413
	% Change	-28.15%	-26.65%	-25.06%	-23.84%	-22.63%	-21.48%
<b>Hillsboro</b>	2006	1,728	1,768	1,815	1,859	1,928	2,017
	2012	1,819	1,862	1,911	1,957	2,030	2,123
	% Change	5.27%	5.32%	5.29%	5.27%	5.29%	5.26%
<b>Hubbard</b>	2006	179	174	169	163	160	160
	2012	194	188	183	177	173	173
	% Change	8.38%	8.05%	8.28%	8.59%	8.13%	8.13%
<b>Itasca</b>	2006	206	201	194	189	185	184
	2012	225	219	212	206	202	201
	% Change	9.22%	8.96%	9.28%	8.99%	9.19%	9.24%
<b>Whitney</b>	2006	346	350	355	360	370	384
	2012	365	370	375	380	391	405
	% Change	5.49%	5.71%	5.63%	5.56%	5.68%	5.47%
<b>County Total</b>	2006	4,862	5,000	5,164	5,331	5,573	5,892
	2012	4,901	5,041	5,206	5,372	5,616	5,936
	% Change	0.80%	0.82%	0.81%	0.77%	0.77%	0.75%
<b>Hood County</b>							
<b>County-Other</b>	2006	3,734	4,345	4,916	5,539	6,322	7,272
	2012	2,863	3,301	3,689	4,094	4,597	5,184
	% Change	-23.33%	-24.03%	-24.96%	-26.09%	-27.29%	-28.71%
<b>Cresson (New WUG)</b>	2006	NA	NA	NA	NA	NA	NA
	2012	43	52	62	74	90	110
	% Change	NA	NA	NA	NA	NA	NA
<b>Decordova (New WUG)</b>	2006	NA	NA	NA	NA	NA	NA
	2012	593	592	591	592	597	608
	% Change	NA	NA	NA	NA	NA	NA

**Table A-5 Corresponding Changes to Region G Municipal Water Demand Projections for Water User Groups**

Granbury	2006	2,369	2,811	3,213	3,651	4,201	4,851
	2012	2,795	3,456	4,058	4,708	5,524	6,485
	% Change	17.98%	22.95%	26.30%	28.95%	31.49%	33.68%
Lipan (New WUG)	2006	NA	NA	NA	NA	NA	NA
	2012	171	239	333	467	656	924
	% Change	NA	NA	NA	NA	NA	NA
County Total	2006	9,135	10,666	12,077	13,616	15,557	17,897
	2012	9,544	11,235	12,801	14,516	16,697	19,337
	% Change	4.48%	5.33%	5.99%	6.61%	7.33%	8.05%
<b>Johnson County</b>							
Alvarado	2006	487	519	559	596	655	733
	2012	570	607	654	697	766	858
	% Change	17.04%	16.96%	16.99%	16.95%	16.95%	17.05%
Burleson	2006	3,320	3,752	4,240	4,762	5,446	6,326
	2012	4,449	6,687	8,272	8,153	8,096	8,095
	% Change	34.01%	78.23%	95.09%	71.21%	48.66%	27.96%
Cleburne	2006	5,748	6,370	7,003	7,722	8,666	9,879
	2012	6,027	6,680	7,343	8,097	9,046	9,879
	% Change	4.85%	4.87%	4.86%	4.86%	4.38%	0.00%
County-Other	2006	2,776	2,871	2,969	3,076	3,228	3,430
	2012	2,252	2,287	2,323	2,363	2,427	2,517
	% Change	-18.88%	-20.34%	-21.76%	-23.18%	-24.81%	-26.62%
Cresson	2006	NA	NA	NA	NA	NA	NA
	2012	12	14	17	20	24	29
	% Change	NA	NA	NA	NA	NA	NA
Grandview	2006	208	219	229	241	259	285
	2012	230	281	342	334	331	331
	% Change	10.58%	28.31%	49.34%	38.59%	27.80%	16.14%
Joshua	2006	744	819	899	992	1,117	1,279
	2012	801	882	968	1,068	1,202	1,377
	% Change	7.66%	7.69%	7.68%	7.66%	7.61%	7.66%
Venus	2006	282	278	271	267	265	265
	2012	363	358	349	344	342	342
	% Change	29.72%	28.78%	28.78%	28.84%	29.06%	29.06%
County Total	2006	26,359	31,014	36,048	41,845	49,292	58,055
	2012	27,498	33,982	40,146	45,265	51,890	59,286
	% Change	4.32%	9.57%	11.37%	8.17%	5.27%	2.12%
<b>Lampasas County</b>							
County-Other	2006	1,152	1,289	1,385	1,450	1,494	1,529
	2012	950	966	977	982	986	1,112
	% Change	-17.53%	-25.06%	-29.46%	-32.28%	-34.00%	-27.27%
Lampasas	2006	1,570	1,583	1,579	1,563	1,563	1,548
	2012	1,842	2,016	2,119	2,174	2,223	2,082
	% Change	17.32%	27.35%	34.20%	39.09%	42.23%	34.50%
County Total	2006	4,467	4,956	5,290	5,519	5,675	5,774

**Table A-5 Corresponding Changes to Region G Municipal Water Demand Projections for Water User Groups**

	2012	4,537	5,066	5,422	5,662	5,827	5,891
	% Change	1.57%	2.22%	2.50%	2.59%	2.68%	2.03%
<b>Limestone County</b>							
County-Other	2006	883	819	756	693	645	602
	2012	828	765	703	642	594	551
	% Change	-6.23%	-6.59%	-7.01%	-7.36%	-7.91%	-8.47%
Kosse (New WUG)	2006	NA	NA	NA	NA	NA	NA
	2012	75	75	74	73	73	74
	% Change	NA	NA	NA	NA	NA	NA
County Total	2006	3,293	3,447	3,510	3,544	3,616	3,752
	2012	3,313	3,468	3,531	3,566	3,638	3,775
	% Change	0.61%	0.61%	0.60%	0.62%	0.61%	0.61%
<b>McLennan County</b>							
County-Other	2006	6,635	6,904	7,167	7,399	7,574	7,881
	2012	6,345	6,332	6,361	6,359	6,384	6,466
	% Change	-4.37%	-8.29%	-11.25%	-14.06%	-15.71%	-17.95%
Robinson	2006	1,110	1,153	1,182	1,210	1,236	1,291
	2012	1,268	1,462	1,611	1,756	1,857	2,030
	% Change	14.23%	26.80%	36.29%	45.12%	50.24%	27.24%
County Total	2006	47,046	50,004	52,499	55,064	56,727	59,404
	2012	46,914	49,741	52,122	54,570	56,158	58,728
	% Change	-0.28%	-0.53%	-0.72%	-0.90%	-1.00%	-1.14%
<b>Milam County</b>							
Cameron	2006	1,452	1,433	1,414	1,395	1,382	1,382
	2012	1,606	1,756	1,840	1,881	1,880	1,888
	% Change	10.61%	22.54%	30.13%	34.84%	36.03%	36.61%
County Total	2006	4,826	4,968	5,038	5,073	5,062	5,074
	2012	4,980	5,291	5,464	5,559	5,560	5,580
	% Change	3.19%	6.50%	8.46%	9.58%	9.84%	9.97%
<b>Somervell County</b>							
County-Other	2006	526	586	630	652	659	664
	2012	481	519	547	559	562	566
	% Change	-8.56%	-11.43%	-13.17%	-14.26%	-14.72%	-17.76%
Glen Rose	2006	545	559	572	577	579	581
	2012	659	728	785	817	830	836
	% Change	20.92%	30.23%	37.24%	41.59%	43.35%	43.90%
County Total	2006	1,071	1,145	1,202	1,229	1,238	1,245
	2012	1,140	1,247	1,332	1,376	1,392	1,402
	% Change	6.44%	8.91%	10.82%	11.96%	12.44%	12.61%
<b>Williamson County</b>							
Cedar Park	2006	10,744	14,886	20,708	25,883	31,068	37,892
	2012	11,961	16,571	17,910	21,779	21,779	21,780
	% Change	11.33%	11.32%	-13.51%	-15.86%	-29.90%	-42.52%

**Table A-5 Corresponding Changes to Region G Municipal Water Demand Projections for Water User Groups**

<b>County-Other</b>	<b>2006</b>	<b>429</b>	<b>333</b>	<b>452</b>	<b>1,812</b>	<b>3,627</b>	<b>4,757</b>
	<b>2012</b>	<b>371</b>	<b>267</b>	<b>378</b>	<b>1,729</b>	<b>3,533</b>	<b>4,651</b>
	<b>% Change</b>	<b>-13.52%</b>	<b>-19.82%</b>	<b>-16.37%</b>	<b>-4.58%</b>	<b>-2.59%</b>	<b>-2.22%</b>
<b>Florence</b>	<b>2006</b>	<b>224</b>	<b>262</b>	<b>307</b>	<b>357</b>	<b>413</b>	<b>476</b>
	<b>2012</b>	<b>242</b>	<b>283</b>	<b>332</b>	<b>386</b>	<b>447</b>	<b>515</b>
	<b>% Change</b>	<b>8.04%</b>	<b>8.02%</b>	<b>8.14%</b>	<b>8.12%</b>	<b>8.23%</b>	<b>8.19%</b>
<b>Georgetown</b>	<b>2006</b>	<b>8,610</b>	<b>11,619</b>	<b>15,141</b>	<b>19,003</b>	<b>23,293</b>	<b>27,895</b>
	<b>2012</b>	<b>10,342</b>	<b>13,956</b>	<b>18,187</b>	<b>22,826</b>	<b>27,979</b>	<b>33,506</b>
	<b>% Change</b>	<b>20.12%</b>	<b>20.11%</b>	<b>20.12%</b>	<b>20.12%</b>	<b>20.12%</b>	<b>20.11%</b>
<b>Granger</b>	<b>2006</b>	<b>185</b>	<b>196</b>	<b>209</b>	<b>222</b>	<b>240</b>	<b>262</b>
	<b>2012</b>	<b>207</b>	<b>219</b>	<b>234</b>	<b>248</b>	<b>268</b>	<b>293</b>
	<b>% Change</b>	<b>11.89%</b>	<b>11.73%</b>	<b>11.96%</b>	<b>11.71%</b>	<b>11.67%</b>	<b>11.83%</b>
<b>Hutto</b>	<b>2006</b>	<b>247</b>	<b>335</b>	<b>439</b>	<b>551</b>	<b>677</b>	<b>812</b>
	<b>2012</b>	<b>1,689</b>	<b>2,290</b>	<b>3,001</b>	<b>3,766</b>	<b>4,627</b>	<b>5,550</b>
	<b>% Change</b>	<b>583.81%</b>	<b>583.58%</b>	<b>583.60%</b>	<b>583.48%</b>	<b>583.46%</b>	<b>583.50%</b>
<b>Jarrell (New WUG)</b>	<b>2006</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
	<b>2012</b>	<b>208</b>	<b>210</b>	<b>212</b>	<b>216</b>	<b>219</b>	<b>207</b>
	<b>% Change</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>Jarrell Schwertner WSC</b>	<b>2006</b>	<b>769</b>	<b>1,017</b>	<b>1,306</b>	<b>1,614</b>	<b>1,965</b>	<b>2,342</b>
	<b>2012</b>	<b>479</b>	<b>722</b>	<b>1,006</b>	<b>1,308</b>	<b>1,651</b>	<b>2,019</b>
	<b>% Change</b>	<b>37.71%</b>	<b>29.01%</b>	<b>22.97%</b>	<b>18.96%</b>	<b>15.98%</b>	<b>13.79%</b>
<b>Leander</b>	<b>2006</b>	<b>1,971</b>	<b>2,728</b>	<b>3,610</b>	<b>4,578</b>	<b>5,657</b>	<b>6,815</b>
	<b>2012</b>	<b>3,887</b>	<b>5,380</b>	<b>7,119</b>	<b>9,028</b>	<b>11,156</b>	<b>13,439</b>
	<b>% Change</b>	<b>97.21%</b>	<b>97.21%</b>	<b>97.20%</b>	<b>97.20%</b>	<b>97.21%</b>	<b>97.20%</b>
<b>Round Rock</b>	<b>2006</b>	<b>19,239</b>	<b>25,937</b>	<b>33,896</b>	<b>42,617</b>	<b>52,298</b>	<b>62,680</b>
	<b>2012</b>	<b>23,103</b>	<b>31,146</b>	<b>40,704</b>	<b>51,176</b>	<b>62,801</b>	<b>75,268</b>
	<b>% Change</b>	<b>20.08%</b>	<b>20.08%</b>	<b>20.08%</b>	<b>20.08%</b>	<b>24.65%</b>	<b>15.30%</b>
<b>Taylor</b>	<b>2006</b>	<b>2,522</b>	<b>2,839</b>	<b>3,208</b>	<b>3,622</b>	<b>4,093</b>	<b>4,625</b>
	<b>2012</b>	<b>2,913</b>	<b>3,279</b>	<b>3,705</b>	<b>4,183</b>	<b>4,727</b>	<b>5,342</b>
	<b>% Change</b>	<b>15.50%</b>	<b>15.50%</b>	<b>15.49%</b>	<b>15.49%</b>	<b>15.49%</b>	<b>15.50%</b>
<b>Thrall</b>	<b>2006</b>	<b>123</b>	<b>145</b>	<b>172</b>	<b>200</b>	<b>231</b>	<b>267</b>
	<b>2012</b>	<b>140</b>	<b>165</b>	<b>196</b>	<b>228</b>	<b>263</b>	<b>304</b>
	<b>% Change</b>	<b>13.82%</b>	<b>13.79%</b>	<b>13.95%</b>	<b>14.00%</b>	<b>13.85%</b>	<b>16.86%</b>
<b>County Total</b>	<b>2006</b>	<b>57,688</b>	<b>78,184</b>	<b>102,651</b>	<b>129,241</b>	<b>158,485</b>	<b>190,243</b>
	<b>2012</b>	<b>68,167</b>	<b>92,375</b>	<b>116,187</b>	<b>145,655</b>	<b>174,373</b>	<b>204,294</b>
	<b>% Change</b>	<b>18.16%</b>	<b>18.15%</b>	<b>13.19%</b>	<b>12.70%</b>	<b>10.02%</b>	<b>7.39%</b>