Texas Demographics and the Impact on the Industry and Infrastructure

Texas Agricultural Life Leadership (TALL)

Urban Agriculture Night

July 23, 2013

The Woodlands, Texas
## Growing States, 2000-2010

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>United States</td>
<td>281,421,906</td>
<td>308,745,538</td>
<td>27,323,632</td>
<td>9.7%</td>
</tr>
<tr>
<td>Texas</td>
<td>20,851,820</td>
<td>25,145,561</td>
<td>4,293,741</td>
<td>20.6%</td>
</tr>
<tr>
<td>California</td>
<td>33,871,648</td>
<td>37,253,956</td>
<td>3,382,308</td>
<td>10.0%</td>
</tr>
<tr>
<td>Florida</td>
<td>15,982,378</td>
<td>18,801,310</td>
<td>2,818,932</td>
<td>17.6%</td>
</tr>
<tr>
<td>Georgia</td>
<td>8,186,453</td>
<td>9,687,653</td>
<td>1,501,200</td>
<td>18.3%</td>
</tr>
<tr>
<td>North Carolina</td>
<td>8,049,313</td>
<td>9,535,483</td>
<td>1,486,170</td>
<td>18.5%</td>
</tr>
<tr>
<td>Arizona</td>
<td>5,130,632</td>
<td>6,392,017</td>
<td>1,261,385</td>
<td>24.6%</td>
</tr>
</tbody>
</table>

65% (2.8 million) of this change can be attributed to growth of the Hispanic population.

Population values are decennial census counts for April 1 for 2000 and 2010.

## Total Population and Components of Population Change in Texas, 1950-2012

<table>
<thead>
<tr>
<th>Year*</th>
<th>Population</th>
<th>Numerical Change</th>
<th>Percent Change</th>
<th>Natural Increase</th>
<th>Net Migration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1950</td>
<td>7,711,194</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>1960</td>
<td>9,579,677</td>
<td>1,868,483</td>
<td>24.2</td>
<td>93.91</td>
<td>6.09</td>
</tr>
<tr>
<td>1970</td>
<td>11,196,730</td>
<td>1,617,053</td>
<td>16.9</td>
<td>86.74</td>
<td>13.26</td>
</tr>
<tr>
<td>1980</td>
<td>14,229,191</td>
<td>3,032,461</td>
<td>27.1</td>
<td>41.58</td>
<td>58.42</td>
</tr>
<tr>
<td>1990</td>
<td>16,986,510</td>
<td>2,757,319</td>
<td>19.9</td>
<td>65.85</td>
<td>34.15</td>
</tr>
<tr>
<td>2000</td>
<td>20,851,820</td>
<td>3,865,310</td>
<td>22.8</td>
<td>49.65</td>
<td>50.35</td>
</tr>
<tr>
<td>2010</td>
<td>25,145,561</td>
<td>4,293,741</td>
<td>20.6</td>
<td>54.94</td>
<td>45.06</td>
</tr>
<tr>
<td>2012</td>
<td>26,059,203</td>
<td>913,642</td>
<td>3.6</td>
<td>52.05</td>
<td>47.95</td>
</tr>
</tbody>
</table>

* All values for the decennial dates are for April 1st of the indicated census year. Values for 2011 are for July 1 as estimated by the U.S. Census Bureau.

Source: Derived from U.S. Census Bureau Estimates for dates indicated by the Texas State Data Center, University of Texas at San Antonio.

Note: Residual values are not presented in this table.
Total Estimated Population by County, 2012

Legend
POPESTIMATE2012
71-10,000
10,001-50,000
50,001-100,000
100,001-500,000
500,001-1,000,000
1,000,001-4,253,700

Along and east of I-35:
40% of land
86% of population
92% of population growth (2011-2012)

Source: U.S. Census Bureau 2012 Population Estimates
Change of the Total Population by County, 2000 to 2010

79 counties lost population over the decade

Source: U.S. Census Bureau 2000 and 2010 Census Counts
Change of the Total Population by County, 2010 to 2012

96 counties lost population over the two year period

Of counties that lost population
90% had net out migration
47% had natural decline

The 10 Fastest Growing Metro Areas Increase from July 1, 2011, to July 1, 2012

<table>
<thead>
<tr>
<th>Rank</th>
<th>Metro Area</th>
<th>Percent Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Midland, Texas</td>
<td>4.6</td>
</tr>
<tr>
<td>2</td>
<td>Clarksville, Tenn.-Ky.</td>
<td>3.7</td>
</tr>
<tr>
<td>3</td>
<td>Crestview-Fort Walton Beach-Destin, Fla.</td>
<td>3.6</td>
</tr>
<tr>
<td>4</td>
<td>The Villages, Fla.</td>
<td>3.4</td>
</tr>
<tr>
<td>5</td>
<td>Odessa, Texas</td>
<td>3.4</td>
</tr>
<tr>
<td>6</td>
<td>Jacksonville, N.C.</td>
<td>3.3</td>
</tr>
<tr>
<td>7</td>
<td>Austin-Round Rock, Texas</td>
<td>3.0</td>
</tr>
<tr>
<td>8</td>
<td>Casper, Wyo.</td>
<td>3.0</td>
</tr>
<tr>
<td>9</td>
<td>Columbus, Ga.-Ala.</td>
<td>2.9</td>
</tr>
<tr>
<td>10</td>
<td>Manhattan, Kan.</td>
<td>2.8</td>
</tr>
</tbody>
</table>

Source: U.S. Census Bureau, 2012
# The 10 Counties with the Largest Numeric Increase from July 1, 2011, to July 1, 2012

<table>
<thead>
<tr>
<th>Rank</th>
<th>County</th>
<th>Numeric Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Harris, Texas</td>
<td>80,005</td>
</tr>
<tr>
<td>2</td>
<td>Los Angeles, Calif.</td>
<td>73,764</td>
</tr>
<tr>
<td>3</td>
<td>Maricopa, Ariz.</td>
<td>73,644</td>
</tr>
<tr>
<td>4</td>
<td>Dallas, Texas</td>
<td>45,827</td>
</tr>
<tr>
<td>5</td>
<td>San Diego, Calif.</td>
<td>38,880</td>
</tr>
<tr>
<td>6</td>
<td>King, Wash.</td>
<td>35,838</td>
</tr>
<tr>
<td>7</td>
<td>Travis, Texas</td>
<td>34,381</td>
</tr>
<tr>
<td>8</td>
<td>Orange, Calif.</td>
<td>34,017</td>
</tr>
<tr>
<td>9</td>
<td>Tarrant, Texas</td>
<td>32,997</td>
</tr>
<tr>
<td>10</td>
<td>Clark, Nev.</td>
<td>32,833</td>
</tr>
</tbody>
</table>

Source: U.S. Census Bureau, 2013
Job Growth

*Quarter/quarter; seasonally adjusted, annualized rate.
NOTE: Quarterly employment figure is the last month of a quarter.
Estimated domestic migration by county, 2000-2010

Source: Population Division, U.S. Census Bureau, 2012. Map produced by the Texas State Data Center

Legend:
-280,000 to -3,000
-2999 to 0
1-10,000
10,001-50,000
50,001-100,000
100,000-220,000
Estimated international migration by county, 2000-2010

Legend

-1,400 to 0
1 to 500
501 to 2,500
2,501 to 50,000
50,000 to 280,000

Source: Population Division, U.S. Census Bureau, March 19, 2009. Map produced by the Texas State Data Center
Travis County (Austin), Texas

Population (2010): 1,024,266
Population (2005): 891,266
Inbound income per cap. (2010): $27,700
Outbound income per cap. (2010): $24,600
Non-migrant income per cap. (2010): $30,000

Dallas County (Dallas), Texas

Population (2010): 2,368,139
Population (2005): 2,250,830
Inbound income per cap. (2010): $23,200
Outbound income per cap. (2010): $23,400
Non-migrant income per cap. (2010): $21,000

Lubbock County (Lubbock), Texas

Population (2010): 278,831
Population (2005): 257,779
Inbound income per cap. (2010): $18,500
Outbound income per cap. (2010): $19,500
Non-migrant income per cap. (2010): $22,000

Gray County (Pampa), Texas

Population (2005): 21,776
Inbound income per cap. (2010): $15,800
Outbound income per cap. (2010): $15,400
Non-migrant income per cap. (2010): $21,000

Texas Racial and Ethnic Composition, 2000 and 2010

Source: U.S. Census Bureau. 2000 and 2010 Census count
Texas White (non-Hispanic) and Hispanic Populations by Age, 2010

Source: U.S. Census Bureau 2010 Decennial Census, SF1
Texas Population Pyramid by Race/Ethnicity, 2010

Source: U.S. Census Bureau 2010 Decennial Census, SF1
Median Household Income by County, 2005-2009

Source: U.S. Census Bureau, American Community Survey, 5-Year Sample 2005-2009
Percent of population aged 25 years and older with Bachelors degree or higher. 2005-2009

Source: U.S. Census Bureau, American Community Survey, 5-Year Sample 2005-2009
<table>
<thead>
<tr>
<th>Level of Educational Attainment</th>
<th>Percent of persons aged 25 years and older</th>
<th>State Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>High school diploma or equivalency or greater</td>
<td>81.1%</td>
<td>48/49/50 (tied with CA and MS)</td>
</tr>
<tr>
<td>Bachelors or greater</td>
<td>26.4%</td>
<td>29</td>
</tr>
</tbody>
</table>

Source: U.S. Census Bureau, American Community Survey, One-year Sample, 2011.
Race/Ethnic Composition by Education Level in the Labor Force (aged 25 years and more), Texas, 2009

Source: Derived from 2009 American Community Survey 1-Year Estimates by the Office of the State Demographer.
Projected Population Growth in Texas, 2010-2050

Migration Scenarios

- Zero
- .5 of 2000-2010
- 2000-2010

Source: Texas State Data Center 2012 Population Projections
Projected Racial and Ethnic Percent, Texas, 2010-2050

- NH-White
- NH-Black
- Hispanic
- NH-Other

Source: Texas State Data Center 2012 Population Projections, 2000-2010 Migration Scenario
Projected Population Change, Texas Counties, 2010-2050

Legend
-6,200 - 0
1 - 2,000
2,001 - 10,000
10,001 - 100,000
100,001 - 1,000,000
1,000,001 - 3,480,000

Source: Texas State Data Center 2012 Population Projections. 2000-2010 Migration Scenario
Projected Percent Population Change, Texas Counties, 2010-2050

Legend:
- LT 0%
- 0-40%
- 41-100%
- 101-250%
- 251-500%

Source: Texas State Data Center 2012 Population Projections. 2000-2010 Migration Scenario
DROUGHT 2013
Public Water Supply Systems Affected
as of June 12, 2013

RESOLVED (1)
WATCH - Voluntary (320) (groundwater 222, surface water 141)
WATCH - Mandatory (651) (groundwater 410, surface water 327)

Total number of Community water systems affected: 971
Total number of active Community water systems in Texas: 4,666

Resolved  A public water supply that has corrected production capacity deficiencies, or drought conditions for mandatory water use restrictions have alleviated.
Watch - Voluntary  A public water supply that has reported problems with high water usage and production, but has not suffered a loss of distribution system pressure. Voluntary water use restrictions have been implemented.
Watch - Mandatory  A public water supply that has reported problems with high water usage and production, but has not suffered a loss of distribution system pressure. Mandatory water use restrictions have been implemented.
Texas Reservoirs

Source: http://www.waterdatafortexas.org/reservoirs/statewide
Texas Reservoirs

Source: http://www.waterdatafortexas.org/reservoirs/statewide
Lloyd Potter, Ph.D.

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Internet: http://osd.state.tx.us