

# **ENERGY EFFICIENCY/RENEWABLE ENERGY IMPACT IN THE TEXAS EMISSIONS REDUCTION PLAN (TERP)**

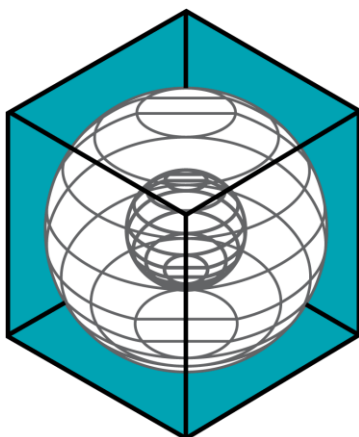
## **VOLUME III—TECHNICAL APPENDIX**

**Annual Report to the  
Texas Commission on Environmental Quality  
January 2010-December 2010**



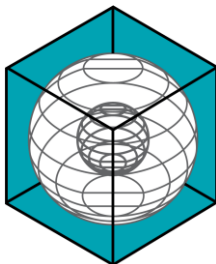
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December 2011



## **ENERGY SYSTEMS LABORATORY**

**Texas Engineering Experiment Station  
Texas A&M University System**



**ENERGY SYSTEMS LABORATORY**

Texas Engineering Experiment Station  
Texas A&M University System

3581 TAMU  
College Station, Texas 77843-3581

December 19, 2011

Chairman Bryan W. Shaw  
Texas Council on Environmental Quality  
P. O. Box 13087  
Austin, TX 78711-3087

Dear Chairman Shaw:

The Energy Systems Laboratory (Laboratory) at the Texas Engineering Experiment Station of the Texas A&M University System is pleased to provide its seventh annual report, "Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP)," as required under Texas Health and Safety Code Ann. § 388.003 (e), Vernon Supp. 2002 (Senate Bill 5, 77R as amended 78 R & 78S).

The Laboratory is required to annually report the energy savings from statewide adoption of the Texas Building Energy Performance Standards in Senate Bill 5 (SB 5), as amended, and the relative impact of proposed local energy code amendments in the Texas non-attainment and near-non-attainment counties as part of the Texas Emissions Reduction Plan (TERP).

Please contact me at (979) 845-1280 should you or any of the TCEQ staff have any questions concerning this report or any of the work presently being done to quantify emissions reduction from energy efficiency and renewable energy measures as a result of the TERP implementation.

Sincerely,

David E. Claridge, Ph.D., P.E.  
Director

Enclosure

cc: Commissioner Carlos Rubinstein  
Commissioner Buddy Garcia  
Executive Director Mark Vickery

#### Disclaimer

This report is provided by the Texas Engineering Experiment Station (TEES) as required under Section 388.003, (e) (2) (A) & (B) of the Texas Health and Safety Code and is distributed for purposes of public information. The information provided in this report is intended to be the best available information at the time of publication. TEES makes no claim or warranty, express or implied, that the report or data herein is necessarily error-free. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not constitute or imply its endorsement, recommendation, or favoring by the Energy Systems Laboratory or any of its employees. The views and opinions of authors expressed herein do not necessarily state or reflect those of the Texas Engineering Experiment Station or the Energy Systems Laboratory.

## VOLUME III – APPENDIX

Energy Efficiency/Renewable Energy Impact  
In The Texas Emissions Reduction Plan

## 1 EXECUTIVE SUMMARY

The Energy Systems Laboratory (Laboratory), at the Texas Engineering Experiment Station of the Texas A&M University System, in fulfillment of its responsibilities under Texas Health and Safety Code Ann. § 388.003 (e), Vernon Supp. 2002, submits its seventh annual report, Energy Efficiency/Renewable Energy (EE/RE) Impact in the Texas Emissions Reduction Plan to the Texas Commission on Environmental Quality.

The report is organized in three volumes:

- Volume I – Summary Report – provides an executive summary and overview;
- Volume II – Technical Report – provides a detailed report of activities, methodologies and findings;
- Volume III – Technical Appendix – contains detailed data from simulations for each of the counties included in the analysis.

## Accomplishments:

## 1. Energy Code Amendments

The Laboratory was requested by several Council of Governments (COGs) and municipalities to analyze the stringency of several proposed residential and commercial energy code amendments, including: the 2003 and 2006 IECC and the ASHRAE Standards 90.1-2001 and 90.1-2004. Results of the analysis are included in the Vol II—Technical Report.

## 2. Technical Assistance

The Laboratory provided technical assistance to the TCEQ, PUCT, SECO, ERCOT, and several political subdivisions, as well as Stakeholders participating in improving the compliance of the Texas Building Energy Performance Standards (TBEPS). The Laboratory also worked closely with the TCEQ to refine the integrated NOx emissions reduction calculation procedures that provide the TCEQ with a standardized, creditable NOx emissions reduction from energy efficiency and renewable energy (EE/RE) programs, which are acceptable to the US EPA. These activities have improved the accuracy of the creditable NOx emissions reduction from EE/RE initiatives contained in the TERP and have assisted the TCEQ, local governments, and the building industry with effective, standardized implementation and reporting.

## 3. NOx Emissions Reduction

Under the TERP legislation, the Laboratory must determine the energy savings from energy code adoption and, when applicable, from more stringent local codes or above-code performance ratings, and must report these reductions annually to the TCEQ. Figure 1 shows the cumulative NOx emissions reduction through 2020 for the electricity and natural gas savings from the various EE/RE programs.

In 2010, the OSD NOx emissions reduction from code-compliant residential and commercial construction is calculated to be 7.34 tons-NOx/day (14.2%), savings from retrofits to Federal buildings is 0.59 tons-NOx/day (1.1%), savings from furnace pilot light retrofits is 0.32 tons-NOx/day (0.6%), savings from the PUC's Senate Bill 5 and Senate Bill 7 programs is 4.79 tons-NOx/day (9.3%), savings from SECO's Senate Bill 5 program is 0.97 tons-NOx/day (1.9%), electricity savings from green power purchases (wind) are 30.04 tons-NOx/day (58.2%), and savings from residential air conditioner retrofits are 7.53 tons-NOx/day (14.6%). The total NOx emissions reduction from all programs is 51.58 tons-NOx/day.

By 2013, the NO<sub>x</sub> emissions reduction from code-compliant residential and commercial construction is calculated to be 1,620 tons-NO<sub>x</sub>/year (7.6% of the total NO<sub>x</sub> savings), savings from retrofits to Federal buildings will be 308 tons-NO<sub>x</sub>/year (1.4%), savings from furnace pilot light retrofits will be 117 tons-NO<sub>x</sub>/year (0.5%), savings from the PUC's Senate Bill 5 and Senate Bill 7 programs will be 2,147 tons-NO<sub>x</sub>/year (10.0%), savings from SECO's Senate Bill 5 program will be 373 tons-NO<sub>x</sub>/year (1.7%), electricity savings from green power purchases (wind) will be 15,257 tons-NO<sub>x</sub>/year (71.3%), and savings from residential air conditioner retrofits will be 1,574 tons-NO<sub>x</sub>/year (7.4%). The total NO<sub>x</sub> emissions reduction from all programs will be 21.396 tons-NO<sub>x</sub>/year.

By 2013, the OSD NO<sub>x</sub> emissions reduction from code-compliant residential and commercial construction is calculated to be 9.03 tons-NO<sub>x</sub>/day (14.9%), savings from retrofits to Federal buildings will be 0.81 tons-NO<sub>x</sub>/day (1.3%), savings from furnace pilot light retrofits will be 0.32 tons-NO<sub>x</sub>/day (0.5%), savings from the PUC's Senate Bill 5 and Senate Bill 7 programs will be 5.78 tons-NO<sub>x</sub>/day (9.5%), savings from SECO's Senate Bill 5 program will be 1.01 tons-NO<sub>x</sub>/day (1.7%), electricity savings from green power purchases (wind) will be 32.63 tons-NO<sub>x</sub>/day (53.8%), and savings from residential air conditioner retrofits will be 11.03 tons-NO<sub>x</sub>/day (18.2%). The total NO<sub>x</sub> emissions reduction from all programs will be 60.61 tons-NO<sub>x</sub>/day.

#### 4. Technology Transfer

The Laboratory, along with the TCEQ, is host to the annual Clean Air Through Energy Efficiency (CATEE) conference, which is attended by top experts and policy makers in Texas and from around the country. At the conference the latest educational programs and technology is presented and discussed, including efforts by the Laboratory, and others, to reduce air pollution in Texas through energy efficiency and renewable energy. These efforts have produced significant success in bringing EE/RE closer to US EPA acceptance in the Texas SIP. The Laboratory will continue to provide superior technology to the State of Texas through such efforts with the TCEQ and the US EPA.

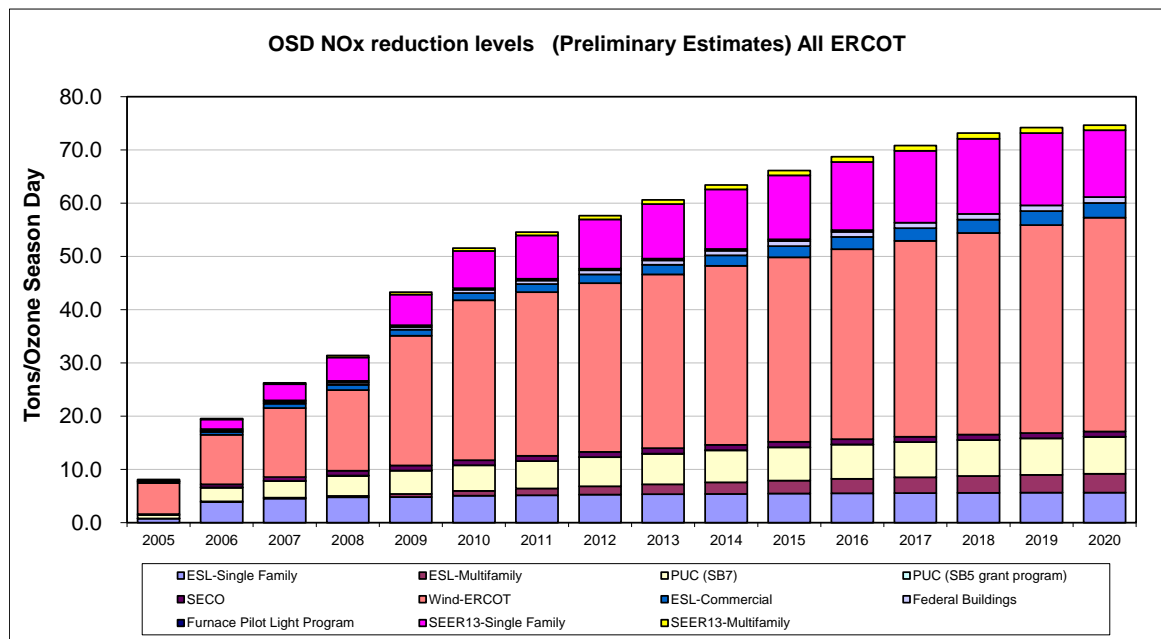


Figure 1: OSD NO<sub>x</sub> Emissions Reduction Projections through 2020

To accelerate the transfer of technology developed as part of the TERP, the Laboratory has also made presentations at national, state and local meetings and conferences, which includes the publication of peer-reviewed papers. The Laboratory will continue to provide technical assistance to the TCEQ, counties and communities working toward obtaining full SIP credit for the energy efficiency and renewable energy projects that are lowering emissions and improving the air quality for all Texans.

These efforts have been recognized nationally by the US EPA. In 2007, the Laboratory was awarded a National Center of Excellence on Displaced Emissions Reduction (CEDER) by the US EPA so that these accomplishments could be rapidly disseminated to other states for their use. The benefits of CEDER include: reducing the financial, technical, and administrative costs of determining the emissions reduction from EE/RE measures; continuing to accelerate implementation of EE/RE strategies as a viable clean air effort in Texas and other states; helping other states better identify and prioritize cost-effective clean air strategies from EE/RE, and communicating the results of quantification efforts through case-studies and a clearinghouse of information.

The Laboratory will continue to provide technical assistance to the TCEQ, counties and communities working toward obtaining full SIP credit for the energy efficiency and renewable energy projects that are lowering emissions and improving the air quality for all Texans.

If any questions arise, please contact us by phone at 979-458-0675, or by email at [terpinfo@tees.tamus.edu](mailto:terpinfo@tees.tamus.edu).

## 2 ACKNOWLEDGEMENTS

This work has been completed as a fulfillment of the requirements in Texas Health Code, Senate Bill 5, Section 388.003, and through Senate Bill 20, House Bill 2481 and House Bill 2129, which requires the Laboratory to assist TCEQ in quantifying emissions reductions credits from energy efficiency and renewable energy programs, through a contract with the Texas Environmental Research Consortium (TERC). Similarly, selected Code training workshops were funded by the US DOE through the Texas State Energy Conservation Office (SECO). Partial funding on the Texas Climate Vision project, a joint project with the City of Austin was also provided by the US DOE through SECO.

Numerous additional individuals at the Laboratory contributed to this report, including: Dr. David Claridge, Stephen O'Neal, Kee Han Kim, Sunglok Do, Hyojin Kim, and Christina Riddle.

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### 3 CODE AND PRE-CODE SIMULATION RESULTS BY COUNTY

This appendix to the Laboratory's 2010 Annual report contains the simulation results for single-family and multi-family residences in the 41 counties. For each county, code and pre-code simulation, and annual and peak-day results for individual residence are provided (Single-Family and Multi-Family).

For each county, pre-code and code simulation, and annual and peak day results, for 1999, 2000 and 2002 base year, for individual Single-family and Multi-family residences can be viewed using the links provided in Table 2. For counties other than 41 non-attainment and affected counties, simulations were performed for one representative county per climate zone. The annual and peak day savings for each county were calculated using the simulation results for the representative county for the same climate zone and number of houses.

Table 1: List of Counties

	County	Climate Zone
Affected County	Bastrop	4
	Bexar	4
	Caldwell	4
	Comal	4
	Ellis	5
	Gregg	6
	Guadalupe	4
	Harrison	6
	Hays	5
	Henderson	6
	Hood	5
	Hunt	5
	Johnson	5
	Kaufman	6
	Nueces	3
	Parker	6
	Rockwell	6
	Rusk	5
	San Patricio	3
	Smith	5
	Travis	5
	Upshur	6
	Victoria	3
	Williamson	5
	Wilson	4
Nonattainment County	Brazoria	3
	Chambers	4
	Collin	5
	Dallas	5
	Denton	6
	El Paso	6
	Fort Bend	4
	Galveston	3
	Hardin	4
	Harris	4
	Jefferson	4
	Liberty	4
	Montgomery	4
	Orange	4
	Tarrant	5
	Waller	4

**Table 2:** Simulation Results for Individual Single Family and Multi Family Residences for All Counties.

Non-attainment or Affected Counties	1999			2000			2002		
BASTROP	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
BEXAR	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
CALDWELL	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
COMAL	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
ELLIS	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
GREGG	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
GUADALUPE	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
HARRISON	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
HAYS	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
JOHNSON	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
KAUFMAN	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
NUECES	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
PARKER	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
ROCKWALL	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
RUSK	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
SAN PATRICIO	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
SMITH	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
TRAVIS	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
UPSHUR	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
VICTORIA	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
WILLIAMSON	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
WILSON	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
BRAZORIA	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
CHAMBERS	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
COLLIN	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
DALLAS	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
DENTON	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
EL PASO	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
FORT BEND	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
GALVESTON	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
HARDIN	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
HARRIS	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
JEFFERSON	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
LIBERTY	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
MONTGOMERY	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
ORANGE	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
TARRANT	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
WALLER	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
HOOD	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
HENDERSON	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
HUNT	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>

ERCOT Counties (*Representative counties)		1999		2000			2002		
* COLEMAN	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
CALLAHAN		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
EASTLAND		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
ERATH		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
FISHER		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
HASKELL		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
JACK		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
JONES		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
MITCHELL	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
NOLAN		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
PALO PINTO		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
SHACKELFORD		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
STEPHENS		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
* TAYLOR		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
THROCKMORTON		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
YOUNG		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
* LEON	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
* BELL		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
BOSQUE		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
BROWN		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
COMANCHE		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
CORYELL		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
FALLS		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
FREESTONE	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
HAMILTON		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
HILL		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
LAMPASAS		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
LIMESTONE		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
MCLENNAN		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
MILLS		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
NAVARRO		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
BRISCOE	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
* HALL		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
* BASTROP		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
CALDWELL	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
LEE		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
BLANCO		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
BURNET		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
GILLESPIE		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
KERR		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
REAL		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
HAYS	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
LLANO		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
MASON		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
SAN SABA		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
* TRAVIS		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
WILLIAMSON		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily

ERCOT Counties (*Representative counties)		1999		2000			2002		
* CHAMBERS	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
BROOKS	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
CAMERON		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
* HIDALGO		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
KENEDY		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
STARR		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
WILLACY		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
JIM HOGG	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
* ZAPATA		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
* KLEBERG	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
ARANSAS	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
* NUECES		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
DUVAL		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
JIM WELLS		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
LIVE OAK		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
SAN PATRICIO		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
DIMMIT	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
LA SALLE		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
MAVERICK		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
MCMULLEN		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
* WEBB		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
ZAVALA		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
HENDERSON	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
* SMITH		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
* DALLAS	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
ELLIS		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
HOOD		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
JOHNSON		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
SOMERVELL		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
TARRANT		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
LAMAR	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
RED RIVER		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
* TITUS		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
* COLLIN		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
DELTA		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
DENTON		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
FRANKLIN	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
HOPKINS		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
KAUFMAN		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
PARKER		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
RAINS		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
ROCKWALL		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
VAN ZANDT	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily
WISE		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
CULBERSON		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily
* HUDSPETH		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily

ERCOT Counties (*Representative counties)		1999		2000		2002			
ANDERSON	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
ANGELINA		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
CHEROKEE		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
HOUSTON		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
NACOGDOCHES		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
* RUSK	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
BRAZORIA		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
* GALVESTON		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
AUSTIN		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
BRAZOS		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
BURLESON	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
COLORADO		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
FAYETTE		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
FORT BEND		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
GRIMES		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
* HARRIS	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
MADISON		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
MONTGOMERY		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
ROBERTSON		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
WALLER		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
WASHINGTON	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
* MILAM		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
BORDEN		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
CHILDRESS		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
CROSBY		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
DAWSON	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
DICKENS		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
KENT		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
KING		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
MOTLEY		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
* SCURRY	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
STONEWALL		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
* CRANE		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
REAGAN		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
UPTON		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
ANDREWS	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
* ECTOR		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
GLASSCOCK		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
HOWARD		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
JEFF DAVIS		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
LOVING	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	Summary	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
MARTIN		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
MIDLAND		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
REEVES		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
WARD		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
WINKLER		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>

ERCOT Counties (* Representative County)		1999		2000			2002					
* ATASCOSA	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily			
FRIO		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
* BEXAR		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
COMAL		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
GONZALES		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
GUADALUPE		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
KINNEY		Summary	Single Family		Multifamily	Summary		Single Family	Multifamily	Summary	Single Family	Multifamily
MEDINA			Single Family		Multifamily			Single Family	Multifamily		Single Family	Multifamily
UVALDE	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
VAL VERDE	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
WILSON	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily			
BANDERA		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
* KENDALL		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
BREWSTER		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
EDWARDS		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
KIMBLE		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
PECOS		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
PRESIDIO		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
SUTTON		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
TERRELL		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
CONCHO		Summary	Single Family		Multifamily	Summary		Single Family	Multifamily	Summary	Single Family	Multifamily
CROCKETT			Single Family		Multifamily			Single Family	Multifamily		Single Family	Multifamily
IRION	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
MCCULLOCH	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
MENARD	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
RUNNELS	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
SCHLEICHER	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
* TOM GREEN	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
* COKE	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily	Summary	Single Family	Multifamily			
STERLING		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
COOKE		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
FANNIN		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
GRAYSON		Summary	Single Family		Multifamily	Summary		Single Family	Multifamily	Summary	Single Family	Multifamily
* HUNT			Single Family		Multifamily			Single Family	Multifamily		Single Family	Multifamily
MONTAGUE		Summary	Single Family		Multifamily	Summary		Single Family	Multifamily	Summary	Single Family	Multifamily
ARCHER			Single Family		Multifamily			Single Family	Multifamily		Single Family	Multifamily
BAYLOR	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
CLAY	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
COTTLE	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
FOARD	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
HARDEMAN	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
KNOX	Single Family		Multifamily	Single Family	Multifamily		Single Family	Multifamily				
* WICHITA		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			
WILBARGER		Single Family	Multifamily		Single Family	Multifamily		Single Family	Multifamily			

ERCOT Counties (* Representative County)		1999		2000		2002			
BEE		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	
CALHOUN		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	
GOLIAD		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	
JACKSON		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	
MATAGORDA	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
REFUGIO		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
* VICTORIA		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
WHARTON		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
DE WITT		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>		<a href="#">Single Family</a>	<a href="#">Multifamily</a>
* KARNES	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>
* LAVACA	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>	<a href="#">Summary</a>	<a href="#">Single Family</a>	<a href="#">Multifamily</a>