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**Annual Energy Efficiency Report  
To The  
Public Utility Commission of Texas  
In Accordance With  
Substantive Rule § 25.181(h)(4) and  
§ 25.183(d)(2),(3)**

**TXU ELECTRIC  
DELIVERY COMPANY**

**April 1, 2007**

# TXU ELECTRIC DELIVERY COMPANY ANNUAL ENERGY EFFICIENCY REPORT

## I. Executive Summary

This Annual Energy Efficiency Report for Calendar Year 2006 is filed by TXU Electric Delivery Company (Electric Delivery) in accordance with Substantive Rule §§ 25.181(h)(4) and 25.183(d)(2),(3). Calendar Year 2006 was Electric Delivery's fifth year in the implementation of the Market Transformation Programs ("MTPs") and Standard Offer Programs (SOPs) required by PURA § 39.905 and Substantive Rule § 25.181, and was the fourth year Electric Delivery was required to meet the 10% demand reduction goal. Electric Delivery's 10% energy efficiency goal for 2006, as stated in Electric Delivery's Energy Efficiency Plan filed in Project No. 32107 on April 1, 2006, was 79,149 kW. Electric Delivery exceeded its goal by procuring 91,486 kW in demand savings.

Appendix A of this report includes explanations relevant to certain sections of the report.

## II. Actual Growth in Demand for 2006

Actual Weather Adjusted Growth in Retail Demand for 2006 was 646 MW.

## III. Projected Annual Growth & Corresponding Goal (at meter)

Year	Projected Annual Growth in Demand	kW Goal	Projected KWh
2007	717,000 kW	104,075	265,731,766

## IV. Comparison of Projected Savings to Reported Savings (at meter)

### CALENDAR YEAR 2006

Program	Projected Savings		Contracted Savings		Reported Savings	
	kW	kWh	kW	kWh	kW	kWh
Large Commercial & Industrial SOP	20,579	130,417,191	16,144	85,545,174	11,680	66,613,517
Residential & Small Commercial SOP	8,706	53,352,487	11,961	35,685,721	11,970	35,717,210
Hard-to-Reach SOP	3,957	9,742,686	4,805	16,198,046	4,805	16,198,046
Energy Star® Homes MTP	8,311	31,122,284	21,300	18,871,800	28,114	25,187,935
Commercial A/C Distributor MTP	3,957	30,634,968	460	1,112,052	460	1,112,052
A/C Installer Info. & Training MTP	7,124	23,712,216	2,880	5,730,000	8,925	10,386,000
Texas SCORE Pilot MTP	2,770	17,420,891	1,787	4,257,483	1,787	4,257,483
Emergency Load Management SOP	23,745	0	23,745	0	23,745	0
Third Party DSM Contracts*	0	0	0	0	0	0
<b>Total</b>	<b>79,149</b>	<b>296,402,723</b>	<b>83,082</b>	<b>167,400,276</b>	<b>91,486</b>	<b>159,472,243</b>

\* There were no new measures installed in 2006 although incentive payments were paid for prior year's measures.

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## V. **Baseline and Milestones Achieved by the MTPs**

### Commercial Air Conditioning Distributor MTP

The primary objective of this program is to increase the market penetration of high efficiency air conditioning units in order to provide cost-effective reduction in peak summer demand. Additional objectives of this program are to achieve consumer energy and cost savings and encourage private sector delivery of energy efficiency products and services. Informal interviews were conducted with air conditioning distributors and air conditioning contractors to identify market barriers. The results of these investigations revealed that higher first costs to consumers, lack of understanding of energy efficiency by contractors and a lack of consumer information are market barriers.

As of January 23, 2006, new air conditioning standards took effect for the National Appliance Energy Conservation Act (NAECA) with increased standards for residential-sized equipment. The minimum standards increased from 10.0 SEER to 13.0 SEER. As a result of this and the baseline used in deemed savings, residential units of 65,000 BTUH and below result in limited on-peak demand savings. Therefore, the 2007 program will focus on commercial units between 65,000 and 240,000 BTUH and the air conditioning contractors who install them.

Program goals and milestones for 2007 are to continue implementing strategies to overcome the market barriers, increase outreach to air conditioning contractors and increase the penetration rate of small commercial high efficiency units within the range of 5.5 to 20 tons.

### Energy Star® Homes MTP

The primary objective of this program is to achieve peak demand reductions and/or energy savings through increased sales of Energy Star® homes and products. Additionally, the program is designed to condition the market so that consumers are aware of and demand Energy Star® homes and products and builders have the technical capacity to supply them. A baseline study was conducted in the fourth quarter of 2006 to determine the existing level of efficiency typical of new home construction in Electric Delivery's service territory. The study, which included homes built by builders participating in the Electric Delivery 2006 Energy Star® Homes Program but not included in the program, showed the average Home Energy Rating System (HERS) Index for homes not in the program to be 93. This compares to a minimum qualifying Energy Star® Index of 85.

Based on 2006 data from the Real Estate Center at Texas A&M University, there were approximately 47,961 single-family building permits issued in the Electric Delivery service territory Metropolitan Statistical Areas (MSAs), with 13,143 receiving Energy Star® certification through the program. During the 2006

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Program Year, the Environmental Protection Agency (EPA) allowed homes to be certified using a HERS Score or HERS Index rating.

There are two significant changes to the 2007 EPA Energy Star® Program requirements. All homes must be certified using the HERS Index and a Thermal Bypass Inspection Checklist must be completed on each home. There is a perception among some builders that these new requirements will require additional costs and some have elected not to participate in the Program in 2007. Therefore, the 2007 Program will focus on the benefits of Energy Star® homes to builders and consumers in an effort to continue making an energy saving impact in the new home market.

The EPA recognized Electric Delivery's accomplishments in the Energy Star® Homes Program by awarding it the Energy Star® Partner of the Year – New Homes in 2003, 2004, 2005 and 2006. These awards are a result of training and certifying HERS raters, educating and recruiting builders, consumer education and involving market actors associated with new home sales.

The milestones for 2007 are to certify 10,370 Energy Star® homes, 10 continuing education courses for realtors on the advantages of Energy Star® homes and support the training and certification of additional HERS raters.

### Air Conditioning Installer Information & Training MTP

Electric Delivery first implemented the Air Conditioning Installer Information & Training Program in 2003. The program is designed to encourage improved installation practices for heating, ventilation and air conditioning (HVAC) equipment, including measures designed to reduce leakage in air ducts. A baseline study was conducted during the second quarter of 2002 to determine current air conditioner installation practices and to identify practices that, if modified, would improve the overall efficiency of HVAC systems throughout the service territory, resulting in lower peak demand and energy savings. Results of the study identified the need for consumer education, training for contractors, registering qualifying contractors, best practices incentives and the implementation of a formal program.

Since 2003, the Texas Air Conditioning Contractors of America (TACCA) and the North Texas Chapter of Air Conditioning Contractors of America (NTACCA) have served as program administrators. In 2006, a Request for Proposals (RFP) was sent to various program administrators and ICF International was selected to market and administer the program. NTACCA will continue to provide the required training for HVAC contractors who wish to participate in the program. This new approach will enhance the program by utilizing the expertise and knowledge of these highly qualified organizations in a coordinated effort.

Training will be conducted in both English and Spanish, covering new and replacement HVAC installation, system design, duct sealing and sales training for

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high efficiency equipment. HVAC technicians certified by TACCA and NTACCA can qualify for incentives for installations meeting program specifications. In 2006, there were 41 technicians trained and 14 builders participated in the program. ICF International will focus on the overall program administration, HVAC contractor recruiting, consumer education and quality assurance/quality control.

Program market impacts of 8.925 MW were reported in 2006, based upon a Market Effects Study of both participating and non-participating air conditioning contractors. The market effects were derived by combining study results with deemed savings methodology and installation data from units reported in 2006. Therefore, the market impact savings include units whose installation was influenced by the program, but were not submitted for incentive payments.

Milestones for 2007 are to build upon the success of the new home market and increase the penetration rate of "high performance" installations in the retrofit market, train 100 technicians, continue consumer education efforts and realize savings impacts of 8.945 MW. Consumers will be referred to contractors who have successfully completed training on the dedicated program website: [www.saveuenergy.org](http://www.saveuenergy.org).

### **Texas SCORE Pilot MTP**

The Texas SCORE Pilot MTP was implemented in 2006 to partner with selected Texas Independent School Districts to work together to identify and assess energy efficiency measures that would assist the district in reducing its peak usage. The program helps the district develop an Energy Master Plan that outlines administrative and financial decision-making criteria for energy efficiency improvements, installation of energy efficiency measures, and maintenance and operation procedures in order to succeed in implementing a cost-effective energy program in a timely manner. Texas SCORE also helped identify and assess capital-intensive energy projects which will produce energy cost savings. The districts were also encouraged to implement energy-efficient operations and maintenance practices and procedures that were identified during the process.

The SCORE Program helps the district by facilitating a focused look at what it can do to use energy most efficiently. In order to achieve the incentive earning goals, the program involves administrators at all levels in the decision making process. The SCORE Program helps the districts financial department understand that sometimes spending more in the design and construction phase of a project can lead to a bigger payback in the utility savings for years to come. Qualified work could include retrofitting existing facilities and also for new construction projects.

The SCORE Program set a pilot goal of 2,770 kW in 2006. Eleven school districts were contacted and seven signed up to participate. The seven districts installed measures that resulted in savings of 1,787 kW and 4,257,483 kWh.

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### VI. Program Funding

Electric Delivery exceeded its 2006 goal of 79,149 kW by obtaining 91,486 kW in energy efficiency savings. As shown on the following table, funds were either spent or committed by contracts with energy efficiency service providers in excess of the total overall 2006 budget of the SOP's and MTP's in order to ensure attainment of the goal.

#### CALENDAR YEAR 2006

Program	Budget	Funds Expended (Incentives)	Funds Expended (Admin.)	Total Funds Expended	Funds Committed (Not Expended)	Funds Remaining (Not Committed)
Large Commercial & Industrial SOP	\$ 9,226,074	\$ 2,609,314	\$ 322,313	\$ 2,931,627	\$ 7,950,540	\$ (1,656,093)
Residential & Small Commercial SOP	\$ 6,321,198	\$ 5,096,074	\$ 689,986	\$ 5,786,060	\$ 0	\$ 535,138
Hard-to-Reach SOP	\$ 3,434,096	\$ 4,230,410	\$ 505,981	\$ 4,736,391	\$ 0	\$ (1,302,295)
Energy Star® Homes MTP	\$ 4,445,203	\$ 4,512,251	\$ 697,779	\$ 5,210,030	\$ 0	\$ (764,827)
Commercial A/C Distributor MTP	\$ 2,021,034	\$ 158,043	\$ 87,317	\$ 245,360	\$ 0	\$ 1,775,674
A/C Installer Info. & Training MTP	\$ 3,572,457	\$ 889,120	\$ 250,592	\$ 1,139,712	\$ 1,118,388	\$ 1,314,357
Texas SCORE Pilot MTP	\$ 749,522	\$ 551,191	\$ 120,187	\$ 671,378	\$ 0	\$ 78,144
Emergency Load Management SOP	\$ 1,100,569	\$ 977,729	\$ 153,793	\$ 1,131,522	\$ 0	\$ (30,953)
Third Party DSM Contracts	\$ 3,734,883	\$ 2,740,445	\$ 265,449	\$ 3,005,894	\$ 0	\$ 728,989
Research & Development	\$ 4,266,355	\$ 2,785,744	\$ 307,527	\$ 3,093,271	\$ 0	\$ 1,173,084
TDHCA Weatherization	\$ 3,792,157	\$ 0	\$ 0	\$ 0	\$ 3,792,157	\$ 0
General Energy Efficiency Program Administrative Costs*	\$ 0	\$ 0	\$ 842,953	\$ 842,953	\$ 0	\$ (842,953)
<b>Total</b>	<b>\$ 42,663,548</b>	<b>\$ 24,550,321</b>	<b>\$ 4,243,877</b>	<b>\$ 28,794,198</b>	<b>\$ 12,861,085</b>	<b>\$ 1,008,265</b>

\* General Energy Efficiency Program Administration Costs include \$223,300.44 paid to the independent M & V expert. Results of the Impact and Process Evaluation of Electric Delivery's 2003 and 2004 programs (dated September 9, 2006) were filed with the Commission as part of Project No. 30170.

### VII. Explanation of a Total Program Cost Decrease of More Than 10%

A large portion of Electric Delivery's total program cost decrease of more than 10% can be attributed to unspent dollars that were set aside as part of Senate Bill 712 requirements to fund research and development activities and the Texas Department of Housing and Community Affairs (TDHCA) Low-Income Weatherization Program. TXU Electric Delivery spent \$3,093,271 of the

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\$4,266,365 budgeted for research and development, but the TDHCA Low-Income Weatherization Program was not finalized until late in the year, resulting in no expenditures for the program in 2006. Funding for the TDHCA program will begin in 2007 and will be double the 2006 budget based on an agreement between TDHCA, the Public Utility Commission of Texas and other interested parties.

The Commercial A/C Distributor Market Transformation Program came in under budget because 2006 was the first year the program was offered targeting commercial distributors only. Beginning in 2007, air conditioning contractors will be eligible to participate. TXU Electric expects 2007 participation to increase as more distributors and air conditioning contractors become aware of the program.

The A/C Installer Information & Training Market Transformation Program performed at a level lower than projected because it competes directly with the other residential programs and has not been as readily accepted by the market place as those programs. The program will have a new administrator in 2007 and take a different marketing approach to increase participation.

The Residential & Small Commercial Standard Offer Program came in \$535,138 under budget while producing 3,264 kW more than was projected because there were a higher proportion of duct efficiency measures and insulation upgrades in 2006 than projected. Duct efficiency measures and insulation upgrades produce greater energy efficiency savings per incentive dollar than other program components.

The Large Commercial & Industrial Standard Offer Program came in under budget due to the timing difference between when funds are committed to projects and when the projects are actually completed and paid. Between the \$2,800,000 carryover from the previous year's commitments and the \$8,100,000 submitted by sponsors in 2006, Electric Delivery had funds committed well in excess of the 2006 budget of \$9,226,074.

### **VIII. Request to Roll Over Unspent Funds to Future Program Years**

Electric Delivery currently has approximately \$14.5 million in unexpended energy efficiency funding. Pursuant to Substantive Rule § 25.181(i)(7), Electric Delivery requests that the Commission allow it to roll over this remaining amount of unexpended energy efficiency funding into Calendar Year 2007. The \$14.5 million is the portion of funding not spent after the completion of the first five years (2002 through 2006) of implementation of the Energy Efficiency Programs required by PURA § 39.905 and Substantive Rule § 25.181 and funded by a three-year average funding mechanism approved by the Commission in Docket No. 22350. In Docket No. 22350, Electric Delivery's 2002 budget (which was based on a 5% demand savings goal) was averaged with the Company's 2003 and 2004 budgets (which were based on a 10% demand savings goal), with the understanding that the difference between the 2002 budget amount and the



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annual approved revenue recovery amount of \$42,663,548 would be rolled over for use in Calendar Years 2003 and 2004. Electric Delivery plans to use the \$14.5 million as needed for energy efficiency funding in 2007 or beyond.

### IX. Most Current Information Available for Ongoing and Completed Energy Efficiency Programs by Customer Class

#### CALENDAR YEAR 2006

Customer Class	Number of Customers	Program Expenditures	Reported Savings	
			kW	kWh
<b>Large C &amp; I</b>				
Large Commercial & Industrial SOP	232	\$ 2,931,627	11,680	66,613,517
Third Party DSM Contracts	0	\$ 3,005,894	0	0
Emergency Load Management SOP*	10	\$ 1,131,522	23,745	0
Texas SCORE Pilot MTP	7	\$ 671,378	1,787	4,257,483
<b>Total</b>	<b>249</b>	<b>\$ 7,740,421</b>	<b>37,212</b>	<b>70,871,000</b>
<b>Residential</b>				
Residential & Small Commercial SOP	14,183	\$ 5,751,344	11,897	35,506,827
Energy Star <sup>®</sup> Homes MTP	13,143	\$ 5,210,030	28,114	25,187,935
A/C Installer Info. & Training MTP**	1,924	\$ 1,139,712	8,925	10,386,000
<b>Total</b>	<b>29,250</b>	<b>\$ 12,101,086</b>	<b>48,936</b>	<b>71,080,762</b>
<b>Small Commercial</b>				
Commercial A/C Distributor MTP	102	\$ 245,360	460	1,112,052
Residential & Small Commercial SOP	62	\$ 34,716	73	210,383
<b>Total</b>	<b>164</b>	<b>\$ 280,076</b>	<b>533</b>	<b>1,322,435</b>
<b>Hard-to-Reach</b>				
Hard-to-Reach SOP	6,246	\$ 4,736,391	4,805	16,198,046

\* The Emergency Load Management SOP actually achieved 53,867 in kW savings for the year as one participant contributed more kW than their contract obligation. However, Electric Delivery is only reporting 23,745 kW savings because of the restriction in Substantive Rule § 25.181(h)(2)(H) that limits savings achieved through load management programs to 30% of the utility's total demand reduction goal.

\*\* The number of customers reported in the A/C Installer Info. & Training MTP is based on actual program participants while reported savings are based on the Market Effects Study.

### X. Description of Proposed Changes in the Energy Efficiency Plan

Please see Electric Delivery's April 1, 2007 Annual Efficiency Plan for proposed changes to the Energy Efficiency Plan for Calendar Years 2007 through 2010.

### XI. Demand and Energy Reduction by County

Appendix B contains the kW and kWh reduction achieved by the energy efficiency programs implemented by Electric Delivery in Calendar Year 2006, by county. The funding source for all of the kW and kWh savings shown on Appendix B is the Electric Delivery budget for SOPs, MTPs, and existing DSM Contracts.

# TXU Electric Delivery Company Annual Energy Efficiency Report for Calendar Year 2006

## Appendix A

### Explanations

- (1) The following explanation is for **Section II**:

In this Section, actual growth in demand is the amount of increase in demand from the year prior to the reporting year compared to the reporting year. It is adjusted for normal weather and is at the system level.

- (2) The following explanations are for column values shown in **Section IV**:

**Projected Savings** – The amount of projected peak demand savings is the amount included in the TXU Electric Delivery Company (“Electric Delivery”) Energy Efficiency Plan filed in the preceding year.

**Contracted Savings** – The total energy and peak demand savings that are the subject of contracts between Electric Delivery and energy efficiency service providers during the reporting calendar year.

**Reported Savings** – The total energy and peak demand savings that have been reported to Electric Delivery by energy efficiency service providers.

- (3) The following explanations are for column values shown in **Section VI**:

**Budget** – The amount of funding dedicated to the implementation of energy efficiency programs for the reporting calendar year as shown in the Electric Delivery Energy Efficiency Plan filed in the preceding year.

**Funds Expended for Incentives** – The amount of funds expended by Electric Delivery on incentive payments for energy efficiency programs during the reporting calendar year.

**Funds Expended for Administration** – The amount of funds expended by Electric Delivery on administrative expenses associated with energy efficiency programs during the reporting calendar year.

**Funds Committed but not Expended** – The amount of Electric Delivery funds committed by contract with energy efficiency service providers for the reporting calendar year that have not been paid to the provider.

**Funds Remaining and not Committed or Expended** – The difference between the budgeted amount for an energy efficiency program and the amount of funds that were not expended or committed by contract with energy efficiency service providers during the reporting calendar year.

(4) The following explanations are for column values shown in **Section VIII**:

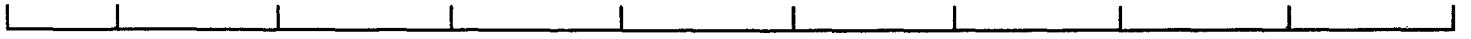
**Number of Customers** – A customer is defined as having an Electric Delivery account number.

**Program Expenditures** – The total of administrative and incentives expended during the reporting calendar year.

**Reported Savings** – The energy and peak demand savings that have been reported by energy efficiency service providers during the reporting calendar year.

**Appendix B: Demand and Energy Reduction by County**

COUNTY	A/C Installer Info & Training MTP	Hard-to Reach SOP	Energy Stars Home MTP	Commercial & Industrial SOP	Commercial A/C Distributor MTP	Emergency Load Management SOP	Residential & Small Commercial SOP	Texas SCORE Pilot MTP
ANDERSON	kW impact kWh impact	kW impact 31.0 kWh impact 131,558.2	kW impact kWh impact	kW impact 57.8 kWh impact 351,427.0	kW impact 1.5 kWh impact 3,555.7	kW impact kWh impact	kW impact 24.0 kWh impact 82,145.9	kW impact kWh impact
ANDREWS	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact 7.4 kWh impact 16,353.7	kW impact kWh impact
ANGELINA	kW impact kWh impact	kW impact 61.7 kWh impact 232,622.4	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact 189.7 kWh impact 647,008.5	kW impact kWh impact
ARCHER	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact 5.1 kWh impact 12,864.2	kW impact kWh impact
BASTROP	kW impact kWh impact	kW impact kWh impact	kW impact 39.6 kWh impact 35,942.0	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact
BELL	kW impact kWh impact	kW impact 5.7 kWh impact 26,529.0	kW impact 1,563.1 kWh impact 1,384,640.0	kW impact 119.8 kWh impact -2,927,542.0	kW impact kWh impact	kW impact 1,820.0 kWh impact	kW impact 35.0 kWh impact 96,246.3	kW impact kWh impact
BROWN	kW impact kWh impact	kW impact 14.6 kWh impact 70,223.3	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact 0.6 kWh impact 3,243.8	kW impact kWh impact
CHEROKEE	kW impact kWh impact	kW impact 13.5 kWh impact 34,108.8	kW impact kWh impact	kW impact -7.7 kWh impact -2,434.0	kW impact kWh impact	kW impact 988.0 kWh impact	kW impact 14.8 kWh impact 40,691.7	kW impact kWh impact
CLAY	kW impact kWh impact	kW impact 5.0 kWh impact 14,781.6	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact 8.2 kWh impact 28,455.9	kW impact kWh impact
COLEMAN	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact
COLLIN	kW impact 603.6 kWh impact 696,816.0	kW impact 165.6 kWh impact 447,203.5	kW impact 2,852.8 kWh impact 2,546,485.0	kW impact 1,067.2 kWh impact 5,076,380.0	kW impact 122.3 kWh impact 266,917.3	kW impact 2,030.0 kWh impact	kW impact 1,836.8 kWh impact 4,112,999.8	kW impact kWh impact
COMANCHE	kW impact kWh impact	kW impact kWh impact	kW impact 5.8 kWh impact 5,251.0	kW impact 19.0 kWh impact 218,037.0	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact
COOKE	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact 5.4 kWh impact 12,552.4	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact
CORYELL	kW impact kWh impact	kW impact kWh impact	kW impact 4.4 kWh impact 4,237.0	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact 0.9 kWh impact 339.2	kW impact 187.1 kWh impact 461,978.0
CRANE	kW impact kWh impact	kW impact 1.4 kWh impact 2,064.2	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact 4.7 kWh impact 14,370.5	kW impact kWh impact
DALLAS	kW impact 1,967.7 kWh impact 2,268,370.2	kW impact 1,589.3 kWh impact 5,386,364.4	kW impact 6,309.0 kWh impact 5,708,927.0	kW impact 5,938.6 kWh impact 37,537,966.0	kW impact 175.0 kWh impact 439,588.0	kW impact 5,751.0 kWh impact	kW impact 2,473.4 kWh impact 6,699,304.2	kW impact 1,171.1 kWh impact 2,930,997.0
DAWSON	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact 293.0 kWh impact 3,250,626.0	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact
DELTA	kW impact kWh impact	kW impact 2.8 kWh impact 10,157.4	kW impact 2.8 kWh impact 2,186.0	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact 0.6 kWh impact 2,920.9	kW impact kWh impact
DENTON	kW impact 268.0 kWh impact 324,916.3	kW impact 42.5 kWh impact 130,590.9	kW impact 478.1 kWh impact 419,666.0	kW impact kWh impact	kW impact 20.3 kWh impact 47,879.2	kW impact kWh impact	kW impact 362.4 kWh impact 1,043,447.9	kW impact kWh impact
EASTLAND	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact 0.5 kWh impact 477.0	kW impact kWh impact
ECTOR	kW impact kWh impact	kW impact 14.4 kWh impact 66,783.6	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact 150.4 kWh impact 473,866.9	kW impact kWh impact
ELLIS	kW impact 303.3 kWh impact 335,336.8	kW impact 20.3 kWh impact 87,046.3	kW impact 640.1 kWh impact 580,803.0	kW impact 892.4 kWh impact 7,212,304.0	kW impact 6.4 kWh impact 14,872.3	kW impact 10,620.0 kWh impact	kW impact 84.3 kWh impact 318,981.5	kW impact kWh impact
ERATH	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact
FALLS	kW impact kWh impact	kW impact 1.5 kWh impact 5,614.8	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact 3.0 kWh impact 7,295.2	kW impact kWh impact



FANNIN	kW impact kWh impact	kW impact kWh impact	11.3 32,814.2	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	2.1 2,714.2	kW impact kWh impact
FREESTONE	kW impact kWh impact	kW impact kWh impact	9.5 28,492.2	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	63.2 255,211.1	kW impact kWh impact
GLASSCOCK	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact
GRAYSON	kW impact kWh impact	kW impact kWh impact	116.8 311,901.3	kW impact kWh impact	31.7 30,433.0	kW impact kWh impact	kW impact kWh impact	280.2 849,977.2	kW impact kWh impact
HARRIS	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact
HENDERSON	kW impact kWh impact	kW impact kWh impact	2.5 13,118.5	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	2.4 12,032.5	kW impact kWh impact
HILL	kW impact kWh impact	kW impact kWh impact	4.6 11,526.6	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	9.8 30,199.1	kW impact kWh impact
HOOD	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	4.1 16,203.8	kW impact kWh impact
HOPKINS	kW impact kWh impact	kW impact kWh impact	32.8 114,530.8	kW impact kWh impact	4.6 20,447.0	kW impact kWh impact	2.9 7,608.6	33.0 103,584.5	kW impact kWh impact
HOUSTON	kW impact kWh impact	kW impact kWh impact	50.5 96,060.1	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact
HOWARD	kW impact kWh impact	kW impact kWh impact	1.7 3,866.0	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	17.6 46,808.1	kW impact kWh impact
HUNT	kW impact kWh impact	kW impact kWh impact	0.8 4,018.1	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	2.1 2,897.7	kW impact kWh impact
JACK	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact
JOHNSON	kW impact kWh impact	kW impact kWh impact	58.5 64,793.1	kW impact kWh impact	22.2 84,726.8	kW impact kWh impact	831.0 742,517.0	68.0 249,925.7	kW impact kWh impact
KAUFMAN	kW impact kWh impact	kW impact kWh impact	425.1 470,363.6	kW impact kWh impact	28.3 114,628.0	kW impact kWh impact	424.5 398,349.0	6.5 26,636.0	kW impact kWh impact
LAMAR	kW impact kWh impact	kW impact kWh impact	48.6 169,220.0	kW impact kWh impact	787.4 6,004,442.0	kW impact kWh impact	18.2 34,512.9	36.8 92,858.1	kW impact kWh impact
LAMPASSAS	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact
LEON	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact
LIMESTONE	kW impact kWh impact	kW impact kWh impact	41.5 110,047.8	kW impact kWh impact	106.9 638,714.0	kW impact kWh impact	125.9 407,678.0		kW impact kWh impact
MARTIN	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	3.3 4,370.5	kW impact kWh impact
MCLENNAN	kW impact kWh impact	kW impact kWh impact	8.4 10,550.3	kW impact kWh impact	399.3 1,482,792.3	kW impact kWh impact	39.0 38,215.0	737.4 2,701,067.9	kW impact kWh impact
MIDLAND	kW impact kWh impact	kW impact kWh impact	18.9 52,518.2	kW impact kWh impact	54.2 114,448.0	kW impact kWh impact	344.8 666,541.4		kW impact kWh impact
MILAM	kW impact kWh impact	kW impact kWh impact		kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	0.6 645.0	kW impact kWh impact
MITCHELL	kW impact kWh impact	kW impact kWh impact	11.6 36,672.7	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	3.7 8,672.1	kW impact kWh impact
NACODOCHES	kW impact kWh impact	kW impact kWh impact	7.0 20,477.0	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	656.9 1,946,126.7	kW impact kWh impact

NAVARRO	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	1,153.0	kW impact kWh impact	0.6 861.6	kW impact kWh impact				
NOLAN	kW impact kWh impact	kW impact kWh impact	0.8 1,247.8	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact				
PALO PINTO	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	460.0	kW impact kWh impact	4.2 15,284.4	kW impact kWh impact				
PARKER	kW impact kWh impact	29.8 33,699.1	kW impact kWh impact	4.9 25,106.5	kW impact kWh impact	151.3 132,674.0	kW impact kWh impact	3.2 7,292.2	kW impact kWh impact	49.3 191,465.1	kW impact kWh impact			
PECOS	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact				
RED RIVER	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact				
REEVES	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact				
ROCKWALL	kW impact kWh impact	859.7 971,452.6	kW impact kWh impact	54.0 271,379.9	kW impact kWh impact	1,230.2 1,086,036.0	kW impact kWh impact	1.5 3,770.4	kW impact kWh impact	66.0 152,153.6	kW impact kWh impact			
RUSK	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	1.1 5,870.1	kW impact kWh impact				
SCURRY	kW impact kWh impact	kW impact kWh impact	2.3 12,634.0	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	1.8 3,625.6	kW impact kWh impact				
SMITH	kW impact kWh impact	kW impact kWh impact	27.3 138,564.1	kW impact kWh impact	132.1 124,856.0	kW impact kWh impact	109.6 415,715.0	kW impact kWh impact	0.7 1,506.4	kW impact kWh impact	923.0 68,662.1	kW impact kWh impact	260.9 535,405.0	
STEPHENS	kW impact kWh impact	kW impact kWh impact	1.2 1,886.6	kW impact kWh impact	kW impact kWh impact	4.8 21,458.0	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	1.0 2,682.6	kW impact kWh impact			
TARRANT	kW impact kWh impact	4,340.1 5,138,529.0	kW impact kWh impact	1,654.0 5,493,743.5	kW impact kWh impact	11,316.2 10,083,648.0	kW impact kWh impact	1,198.3 5,148,786.0	kW impact kWh impact	90.0 239,837.8	kW impact kWh impact	3,399.3 11,532,760.8	kW impact kWh impact	127.0 256,234.0
TERRY	kW impact kWh impact	9.0 8,703.3	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact			
TOM GREEN	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact			
TRAVIS	kW impact kWh impact	9.0 9,432.1	kW impact kWh impact	18.9 79,447.7	kW impact kWh impact	629.8 568,947.0	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	6.0 9,895.6	kW impact kWh impact			
TRINITY	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact			
UPTON	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact			
VAN ZANDT	kW impact kWh impact	kW impact kWh impact	4.7 25,137.1	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	3.0 10,291.7	kW impact kWh impact			
WARD	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	6.3 16,289.2	kW impact kWh impact			
WICHITA	kW impact kWh impact	kW impact kWh impact	150.1 333,995.3	kW impact kWh impact	kW impact kWh impact	763.5 2,335,831.0	kW impact kWh impact	10.5 27,418.0	kW impact kWh impact	258.0 662,540.4	kW impact kWh impact			
WILLIAMSON	kW impact kWh impact	kW impact kWh impact	110.0 481,844.3	kW impact kWh impact	1,340.5 1,213,038.0	kW impact kWh impact	263.6 1,170,256.0	kW impact kWh impact	kW impact kWh impact	537.5 1,963,862.0	kW impact kWh impact			
WINKLER	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact			
WISE	kW impact kWh impact	43.0 54,037.5	kW impact kWh impact	kW impact kWh impact	92.0 81,085.0	kW impact kWh impact	kW impact kWh impact	2.2 4,739.9	kW impact kWh impact	4.6 18,422.4	kW impact kWh impact			
YOUNG	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	kW impact kWh impact	0.7 1,800.1	kW impact kWh impact			

Total Sum of kW impact	8,925	4,806	28,114	11,680	460	23,745	11,970	1,787
Total Sum of kWh impact	10,386,000	16,198,046	25,187,935	66,613,517	1,112,052	-	35,717,210	4,257,483