

**EAST TEXAS REGIONAL WATER PLANNING
GROUP**

2007-2009 REGIONAL WATER PLANNING

STUDY NO. 3

**Study of Municipal Water Uses to Improve Water
Conservation Strategies and Projections**

Prepared for:

East Texas Regional Water Planning Group

Submitted by:

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FINAL REPORT

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LIST OF ABBREVIATIONS

APAI	Alan Plummer Associates, Inc.
ETRWPG	East Texas Regional Water Planning Group
gpcd	gallons per capita per day
No.	number
TWDB	Texas Water Development Board
WCITF	State of Texas Water Conservation Implementation Task Force
WUGs	Water Users Groups

1.0 EXECUTIVE SUMMARY

Study No. 3 of the 2007-2009 Region I Water Plan provides for a survey of Water User Groups (WUGs) in Region I. The survey was intended to gain an improved understanding of current water conservation practices and to use the findings for development of conservation strategies and projections of water conservation savings in the region. Study No. 3 was authorized by the East Texas Regional Water Planning Group (ETRWPG).

On August 22, 2008, water production and sales surveys were mailed to 65 WUGs in Region I with approximately 1,000 connections or more. A total of 27 WUGs returned the completed survey with useable information, constituting a 42% response rate. Survey data were received from a diverse range of WUGs. In 2007, the number of connections for responding WUGs ranged from approximately 880 connections to 41,500 connections. Approximately one half of the WUGs had less than 2,000 connections. Three surveys were received from WUGs with more than 10,000 connections. In aggregate, the response represents roughly 39% of the total population of Region I¹.

Using data provided in the returned surveys, the median water use was calculated for each WUG for the years 2006 and 2007. Median water use per resident was calculated both based on flow delivered for residential use and on total water production. Based on water delivered for residential use, the median water use is 68 gallons per capita per day (gpcd). Based on total water production, the median water use is 86 gpcd.

The State of Texas Water Conservation Implementation Task Force (WCITF) has recommended a goal for Texas water suppliers of an average per capita consumption of 140 gpcd. Based on the survey data, all but two WUGs responding to the survey fall within the goal set by the task force. Even after including non-residential uses in the water use per resident calculation, per capita water use for most WUGs participating in the survey is well below the target value of 140 gpcd.

¹2006 Water Plan, East Texas Region.

The survey results suggest that current water use among responding WUGs in Region I is efficient and may be generally lower than other areas of the state on a per capita basis. These data suggest that the identification and development of cost-intensive measures for additional active water conservation in Region I may not be justified at this time.

One potential concern with the results from this study is that per capita use is lower than that computed from previous surveys by the Texas Water Development Board (TWDB). Resolving the discrepancy is beyond the scope of this study. However, data obtained by this study have been vetted through follow-up telephone interviews with respondents, and by comparison of responses with water use data provided in the 2006 Regional Water Plan.

The following recommendations are made as a result of this study:

- The region's WUGs should continue implementing existing water conservation plans.
- WUGs should consider implementation of additional water conservation efforts recommended by the WCITF, if implementation can be accomplished in a cost-effective manner.
- Water conservation efforts should be re-assessed after additional data become available, including data from the next Census in 2010.
- The scope of this study does not provide for comparison of this data with other potential sources of information. It is recommended that future data gathering efforts by the ETRWPG, the TWDB, or other agencies provide for comparing various data sources, and resolving discrepancies that may exist.

2.0 INTRODUCTION

Study No. 3 of the 2007-2009 Region I Water Plan provides for a survey of Water User Groups (WUGs) in Region I. This report summarizes the survey responses, provides results of analyses of residential water use, and presents recommendations for further studies.

The scope for Study No. 3 of the 2007-2009 Region I Water Planning effort provides for a survey of WUGs in Region I with 1,000 or more connections. The purpose of the survey was to gain an understanding of current water supply practices. The results of this study are intended to aid the development of conservation strategies and projections of water conservation savings in Region I.

Per capita water use was calculated using survey data. To the extent practical, the water use data received were evaluated for accuracy. Per capita water use data were compared to other Texas entities and also to the per capita goal set by the WCITF.

A list of WUGs was developed from information gathered for the 2006 Regional Water Plan. A draft list was prepared by including WUGs with a least 900 connections. The scope for this project specifies to contact WUGs with at least 1,000 connections; however, a minimum of 900 connections was used in the preparation of the list since available data are several years old and a lower minimum allows for growth. In August 2008, the draft list of 65 WUGs meeting the 900-connection criterion was submitted to the ETRWPG Technical Committee and the TWDB for review. The draft list of WUGs was accepted without changes. The list of WUGs is provided in Appendix A.

3.0 SURVEY

A survey was prepared based on the information needs identified in the above mentioned scope. A copy of the survey used in the study is provided in Appendix B.

On August 22, 2008, the survey was mailed to 65 WUGs with a request that it be completed and returned to Alan Plummer Associates, Inc. (APAI), by September 5, 2008. Appendix C contains a copy of the transmittal letter.

In follow-up to the mailed surveys, telephone contacts were made to WUGs for which survey responses had not been received by Tuesday, September 8, 2008. Hurricane Ike, which made landfall at the end of that week, prevented timely completion of the survey for some WUGs. To allow for recovery time from Hurricane Ike, telephone contacts were halted until approximately four weeks after the hurricane. Telephone follow-ups resumed until a total of 27 responses had been received by the completion of the initial draft of the study in December 2008. In addition, in early December 2008, a letter summarizing the results of the survey was sent to each WUG that had returned a completed survey. The letter summarized the estimated per capita water use for the individual WUG and requested a response if any errors in the interpretation were found. Two entities provided additional information and clarification of their responses. Those changes have been incorporated into this report.

In March 2009, additional telephone follow-ups to verify some responses were conducted. During that time, one additional entity submitted a response, and one entity that had previously responded requested that its data and response be removed from the study. As a result, the number of responses remains at 27.

3.1 Survey Results

By mid-December 2008, 27 WUGs had returned the completed survey, which is a response rate of 42%. Not all surveys were filled in completely and several surveys had apparent errors. For example, several respondents appeared to have reported water sales by dollar amount, while the survey requested information based on volume. As addressed above, WUGs were contacted to request clarification, where necessary to do so.

3.2 Responses to Survey Item Nos. 1 through 6

Item Nos. 1 and 2 of the survey requested information concerning volume of water production and volume of water sales over the last five years. The responses to the first two items are summarized in Table 1. For most WUGs, water production and sales vary, but have remained generally the same over the last five years.

Table 1

**Region I Water Planning Group
Water Production and Sales Survey**

Water Production and Water Sales for Years 2005 - 2008

Water User Group	County	Year 2005		Year 2006		Year 2007		Year 2008	
		Water Production	Water Sales						
(acre feet)									
Angelina Water Supply Corporation	Angelina	250	211	242	214	237	186	271	231
Chalk Hill Special Utility District	Rusk	273	257	286	256	252	252	261	236
City Of Beaumont	Jefferson	27,789	19,637	26,041	18,399	25,310	16,604	26,477	18,374
City Of Grapeland	Houston	276	215	313	230	239	207	231	205
City Of Henderson	Rusk	857	-	973	-	846	-	901	-
City Of Jacksonville	Cherokee	4,312	3,120	4,214	3,093	3,625	2,508	3,598	2,676
City Of Kirbyville	Jasper	434	189	364	196	369	194	404	190
City Of Lufkin	Angelina	10,368	8,140	10,121	8,157	8,849	7,189	8,835	6,992
City Of Port Neches	Jefferson	1,384	1,709	1,377	1,338	1,905	1,290	1,915	2,111
City Of Silsbee	Hardin	1,068	716	1,003	563	768	321	984	947
City Of Tyler	Smith	-	23,525	-	26,497	-	19,955	-	-
City Of Woodville	Tyler	1,314	919	1,285	620	1,377	995	1,401	1,012
Craft-Turney Water Supply Corporation	Cherokee	491	329	475	318	499	265	440	270
Cross Roads Special Utility District	Gregg/Rusk	274	-	295	-	256	-	280	-
Dean Water Supply Corporation	Smith	-	455	-	456	-	383	-	-
Four Way Special Utility District	Angelina	540	402	517	424	462	382	476	342
Hardin West Water Supply Corporation	Hardin	277	244	339	289	356	278	362	276
Lumberton M.U.D.	Hardin	2,072	-	2,019	-	1,983	-	2,189	-
M & M Water Supply Corporation	Angelina	-	211	-	220	-	231	-	206
Mauriceville M.U.D.	Orange	607	661	604	610	599	556	709	572
North Hardin Water Supply Corporation	Hardin	620	472	574	448	531	436	539	457
Orange Co. W.C.I.D. #10	Orange	1,478	1,337	1,557	1,352	1,482	1,290	1,593	1,463
Rusk Rural Water Supply Corporation	Cherokee	310	202	302	209	350	195	-	-
Tyler Co. Water Supply Corporation	Tyler	403	335	427	272	410	346	407	314
Walnut Grove Water Supply Corporation	Smith	821	-	900	-	785	-	859	-
Walston Springs Water Supply Corporation	Anderson	-	322	-	336	-	265	-	429
West Jefferson County	Jefferson	709	686	712	649	740	627	769	603

NOTE: Dash (-) indicates data not submitted or could not be adequately verified

It should be noted that approximately 85% of responding WUGs provided water production data for the years 2006 and 2007. This same percentage of responding WUGs provided water sales data, although not the same WUGs in all cases. Only 70% of responding WUGs provided data for both production and sale of water.

Item No. 3 of the survey requested information about categories of customers served and the percentage for each category. A summary of the data is provided in Table 2. Most WUGs serve predominantly residential customers. Approximately 66% of the WUGs serve at least 90% of their water to residential customers.

Item No. 4 of the survey requested information about the number of connections and population served in the years 2006, 2007, and 2008. The data are summarized in Table 3. Overall, the number of connections increased from 2006 to 2008 by 4% for WUGs that responded to questions regarding population. Population data were provided by only 14 WUGs. For these 14 surveys, the population increased by 3% between 2006 and 2008.

Not all responding WUGs provided population data as requested. Some did not provide any population data, while others provided data for some years but not for others. As will be addressed later, WUG population figures for the years 2006 and 2007 were used to establish water use on a per capita basis. To enable the use of all water production and water sales data provided, Table 3 provides estimates of population in italics for 2006 and 2007 for all WUGs that did not otherwise provide such data. The sources of information for these estimates include the 2006 Regional Water Plan and the Texas State Data Center population data provided by the Texas Water Development Board.

Table 2

Region I Water Planning Group
Water Production and Sales Survey

Categories of Customers Served by Water User Groups

Water User Group	County	Percentage of Total Volume by Category For Years 2006 and 2007											
		2006	2007	2006	2007	2006	2007	2006	2007	2006	2007	2006	2007
		Residential		Commercial		Industrial		Institutional		Agricultural		Other	
Angelina Water Supply Corporation	Angelina	98	99	2	1	-	-	-	-	-	-	-	-
Chalk Hill Special Utility District	Rusk	100	100	-	-	-	-	-	-	-	-	-	-
City Of Beaumont	Jefferson	60	60	10	10	20	20	10	10	-	-	-	-
City Of Grapeland	Houston	70	71	21	20	7.5	8	-	-	1.5	1	-	-
City Of Henderson	Rusk	59	50	38	47	3	3	-	-	-	-	-	-
City Of Jacksonville	Cherokee	40	36	60	64	-	-	-	-	-	-	-	-
City Of Kirbyville	Jasper	80	80	15	15	-	-	-	-	-	-	5	5
City Of Lufkin	Angelina	40	38	24	23.6	31.5	34.5	-	-	4	3.3	0.5	0.6
City Of Port Neches	Jefferson	80	80	15	15	5	5	-	-	-	-	-	-
City Of Silsbee	Hardin	100	100	-	-	-	-	-	-	-	-	-	-
City Of Tyler	Smith	87	87	9	9	1	1	1	1	-	-	2	2
City Of Woodville	Tyler	95	95	3	3	1	1	1	1	-	-	-	-
Craft-Turney Water Supply Corporation	Cherokee	98	98	1	1	1	1	-	-	-	-	-	-
Cross Roads Special Utility District	Gregg/Rusk	99.8	99.8	0.1	0.1	0.1	0.1	-	-	-	-	-	-
Dean Water Supply Corporation	Smith	98	98	2	2	-	-	-	-	-	-	-	-
Four Way Special Utility District	Angelina	97	97	1	1	<1	<1	<1	<1	-	-	-	-
Hardin West Water Supply Corporation	Hardin	98	98	2	2	-	-	-	-	-	-	-	-
Lumberton M.U.D.	Hardin	98	98	2	2	-	-	-	-	-	-	-	-
M & M Water Supply Corporation	Angelina	98	98	2	2	-	-	-	-	-	-	-	-
Mauriceville M.U.D.	Orange	98	98	2	2	-	-	-	-	-	-	-	-
North Hardin Water Supply Corporation	Hardin	98	98	2	2	-	-	-	-	-	-	-	-
Orange Co. W.C.I.D. #10	Orange	87	87	13	13	-	-	-	-	-	-	-	-
Rusk Rural Water Supply Corporation	Cherokee	100	100	-	-	-	-	-	-	-	-	-	-
Tyler Co. Water Supply Corporation	Tyler	98.4	98.6	1.6	1.4	-	-	-	-	-	-	-	-
Walnut Grove Water Supply Corporation	Smith	99.5	99.5	0.5	0.5	-	-	-	-	-	-	-	-
Walston Springs Water Supply Corporation	Anderson	98	98	2	2	-	-	-	-	-	-	-	-
West Jefferson County	Jefferson	93	94	6	5	-	-	0.5	0.5	-	-	0.5	0.5

Table 3

Region I Water Planning Group
Water Production and Sales Survey

Number of Connections and Population Served for Each Water User Group
Years 2006, 2007, and 2008

Water User Group	County	Connections Served				Change from 2006 to 2008	Population			Change from 2006 to 2008
		Number of Connections			Year		Number of Residents			
		2006	2007	2008			2006	2007	2008	
Angelina Water Supply Corporation ¹	Angelina	1,168	1,177	1,192	2%	-	-	-	-	
Chalk Hill Special Utility District ¹	Rusk	1,292	1,314	1,331	3%	-	-	-	-	
City Of Beaumont ²	Jefferson	41,000	41,500	42,000	2%	113,866	113,866	113,866	0%	
City Of Grapeland ³	Houston	906	881	889	-2%	1,450	1,450	1,450	0%	
City Of Henderson ³	Rusk	4,960	5,068	5,120	3%	11,025	11,025	11,025	0%	
City Of Jacksonville ³	Cherokee	5,821	5,420	5,475	-6%	14,370	14,453	14,537	1%	
City Of Kirbyville ³	Jasper	887	893	892	1%	2,080	2,080	2,080	0%	
City Of Lufkin ³	Angelina	14,741	14,961	15,058	2%	36,835	37,572	39,074	6%	
City Of Port Neches ³	Jefferson	5,230	5,240	5,230	0%	13,601	13,601	13,601	0%	
City Of Silsbee ²	Hardin	3,100	3,093	2,983	-4%	6,906	6,970	7,077	2%	
City Of Tyler ²	Smith	30,541	31,580	33,565	10%	87,203	87,647	88,387	1%	
City Of Woodville ²	Tyler	1,346	1,362	1,402	4%	2,684	2,717	2,773	3%	
Craft-Turney Water Supply Corporation ³	Cherokee	1,618	1,627	1,650	2%	4,854	4,881	4,950	2%	
Cross Roads Special Utility District ¹	Gregg/Rusk	1,025	1,062	1,082	6%	-	-	-	-	
Dean Water Supply Corporation ⁴	Smith	1,402	1,415	1,421	1%	4,791	4,871	4,951	3%	
Four Way Special Utility District ⁴	Angelina	1,880	1,906	1,923	2%	3,891	4,044	4,197	7%	
Hardin West Water Supply Corporation ⁴	Hardin	1,374	1,395	1,426	4%	4,320	4,374	4,427	2%	
Lumberton M.U.D. ³	Hardin	7,556	7,556	7,881	4%	21,723	22,668	23,643	8%	
M & M Water Supply Corporation ³	Angelina	1,060	1,070	1,080	2%	3,180	3,210	3,240	2%	
Mauriceville M.U.D. ⁴	Orange	2,929	2,979	3,048	4%	8,058	8,410	8,762	8%	
North Hardin Water Supply Corporation ³	Hardin	2,321	2,344	2,362	2%	6,923	7,032	7,086	2%	
Orange Co. W.C.I.D. #10 ³	Orange	4,172	4,248	4,306	3%	14,602	13,806	13,994	-4%	
Rusk Rural Water Supply Corporation ⁴	Cherokee	1,048	1,050	1,061	1%	3,088	3,107	3,127	1%	
Tyler Co. Water Supply Corporation ³	Tyler	1,794	1,750	1,743	-3%	5,382	5,250	5,229	-3%	
Walnut Grove Water Supply Corporation ³	Smith	2,303	2,357	2,379	3%	6,900	7,071	7,137	3%	
Walston Springs Water Supply Corporation ³	Anderson	1,218	1,252	1,267	4%	3,744	3,756	3,801	1%	
West Jefferson County ⁴	Jefferson	2,650	2,700	2,730	3%	7,514	7,599	7,683	2%	
Total		146,279	148,150	151,436	4%	388,990	391,460	396,097	2%	

1) Population Data unavailable

2) Population Data obtained from Texas State Data Center and provided by Texas Water Development Board

3) Population Data provided by Water User Group

4) Population Data obtained from 2006 Region I Regional Water Plan

Item No. 5 of the survey requested information about significant changes in volume of water served. The responses are summarized in Table 4. Most increases in volume served are attributed to new residential customers.

Item No. 6 of the survey requested information about conservation efforts at the WUGs. Table 5 shows the responses provided. Sixteen of the responding WUGs indicated that they had a conservation program; nine of the WUGs have employees dedicating at least part of their time to the program. Only four WUGs indicated that their conservation program receives dedicated funding.

3.3 Residential Water Use Based on Survey Results

Water use on a per connection (i.e., per residential connection) and on a per capita basis was calculated using data from 2006 and 2007. As indicated above, some population data for these years were not provided by survey respondents. Where necessary, population estimates were included from other reliable sources. The development of per connection and per capita water use values utilized the following information developed for the study:

- Water production and water sales data (see Table 1)
- Percentage of water use by the residential category (see Table 2)
- Estimates of the number of connections and population (see Table 3)

Table 4

Region I Water Planning Group
Water Production and Sales Survey

Responses to Question about Cause of Significant Change in Water Volume Served

Water User Group	County	Any Change in Customer Base	Explanation Provided for Change in Volume of Water Served
		(Increase / Decrease)	
Angelina Water Supply Corporation	Angelina	-	-
Chalk Hill Special Utility District	Rusk	Increase	Residential Growth
City Of Beaumont	Jefferson	-	-
City Of Grapeland	Houston	-	-
City Of Henderson	Rusk	-	-
City Of Jacksonville	Cherokee	-	-
City Of Kirbyville	Jasper	-	-
City Of Lufkin	Angelina	Decrease	Abitibi (Paper Mill) closed in March 2005 (Last full year - 2004 - used 11,500,000 gallons)
City Of Port Neches	Jefferson	Increase	New Housing Projection
City Of Silsbee	Hardin	Increase	New Business in Area
City Of Tyler	Smith	Increase	New Business in Area & Population is Growing
City Of Woodville	Tyler	Increase	Expanding Business & Prison Expansion
Craft-Turney Water Supply Corporation	Cherokee	Increase	Population Increasing in the Rural Community
Cross Roads Special Utility District	Gregg/Rusk	Increase	New Residences
Dean Water Supply Corporation	Smith	-	-
Four Way Special Utility District	Angelina	-	-
Hardin West Water Supply Corporation	Hardin	Increase	New Customers in Area
Lumberton M.U.D.	Hardin	Increase	More Residential Development
M & M Water Supply Corporation	Angelina	-	-
Mauriceville M.U.D.	Orange	-	-
North Hardin Water Supply Corporation	Hardin	-	-
Orange Co. W.C.I.D. #10	Orange	-	-
Rusk Rural Water Supply Corporation	Cherokee	-	-
Tyler Co. Water Supply Corporation	Tyler	Decrease	Volume sold, total active connections & population are decreasing due to a lack of economic opportunity & development in Tyler County
Walnut Grove Water Supply Corporation	Smith	-	-
Walston Springs Water Supply Corporation	Anderson	Increase	New Business in Area & Relocations
West Jefferson County	Jefferson	Decrease	Due to Rain

Dash (-) indicates data not submitted or could not be adequately verified

Table 5
Region I Water Planning Group
Water Production and Sales Survey

Responses to Question About Water Conservation Efforts

Water User Group	County	Does the WUG have a Conservation Program?	Number of Employees Dedicated to Conservation Program	Annual Funding for Conservation Program	Additional Comments
Angelina Water Supply Corporation	Angelina	Yes	0	0	-
Chalk Hill Special Utility District	Rusk	Yes	4	0	-
City Of Beaumont	Jefferson	Yes	5	\$100,000	educational program regarding conservation. In addition, a leak detection project was completed to minimize water loss.
City Of Grapeland	Houston	No	-	-	-
City Of Henderson	Rusk	Yes	-	-	-
City Of Jacksonville	Cherokee	No	-	-	-
City Of Kirbyville	Jasper	No	-	-	-
City Of Lufkin	Angelina	Yes	1	-	-
City Of Port Neches	Jefferson	Yes	2	5%	-
City Of Silsbee	Hardin	No	-	-	-
City Of Tyler	Smith	No	-	-	-
City Of Woodville	Tyler	No	-	-	-
Craft-Turney Water Supply Corporation	Cherokee	Yes	5	-	-
Cross Roads Special Utility District	Gregg/Rusk	Yes	0	-	-
Dean Water Supply Corporation	Smith	No	-	-	-
Four Way Special Utility District	Angelina	Yes	0	0	-
Hardin West Water Supply Corporation	Hardin	-	-	-	-
Lumberton M.U.D.	Hardin	Yes	0	\$2,000	-
M & M Water Supply Corporation	Angelina	Yes	1	-	-
Mauriceville M.U.D.	Orange	Yes	0	0	-
North Hardin Water Supply Corporation	Hardin	No	-	-	-
Orange Co. W.C.I.D. #10	Orange	Yes	-	-	We are a relatively small system and do not have employees solely dedicated to this program. Operations Manager, David LeJune, oversees this program.
Rusk Rural Water Supply Corporation	Cherokee	No	-	-	-
Tyler Co. Water Supply Corporation	Tyler	Yes	1	0	The TCWSC Board of Directors has only recently approved & adopted a water conservation plan. Strategies to implement and fund those plans are still in the development phase.
Walnut Grove Water Supply Corporation	Smith	No	-	-	-
Walston Springs Water Supply Corporation	Anderson	Yes	All	-	Not Written
West Jefferson County	Jefferson	Yes	1	\$200	-

Dash (-) indicates data not submitted or could not be adequately verified

As previously indicated, not all respondents provided both water production and water sales data. Therefore, estimates of per connection and per capita use were developed for each case of water production and water sales. These estimates for each WUG are provided in Table 6.

Based on the responses provided in Table 6, summary statistics for Region I may be developed. The average and median per connection values for responding WUGs are summarized in Table 7. The same statistics for per capita values are provided in Table 8.

The values in Table 6 are based on actual estimates of residential water use provided by the WUGs in the survey. It is also helpful to examine water use on the basis of total water production and total water sales. This can be determined by dividing the total water production or sales estimates by connections or by population. Table 7 summarizes per connection water use for residential water production and water sales, as well as total water production and water sales. Table 8 presents residential production and sales as well as total water production and sales per capita.

The Region I residential water use statistics calculated from the survey responses are below the ranges observed elsewhere in Texas as reported by the WCITF². The WCITF has recommended a goal for Texas water suppliers of an average per capita consumption of 140 gpcd. This target value is based on total water use and not just residential water use. It is most appropriately compared to the values for Region I provided in Table 8. Even after including non-residential water uses in calculating water use per resident, the per capita water use for most Region I WUGs participating in the survey is well below the target value of 140 gpcd.

² Texas Water Development Board (TWDB), Water Conservation Implementation Task Force Report to 79th Legislature, November 2004, p. 31.

Table 6

Region I Water Planning Group
Water Production and Sales Survey

Residential Water Use in 2006 and 2007

Water User Group	County	Residential Water Use Based On							
		Production	Sales Data	Production	Sales Data	Production	Sales Data	Production	Sales Data
		Year							
		2006		2007		2006		2007	
		gallon/connection/day				gallon/capita/day			
Angelina Water Supply Corporation	Angelina	181	160	178	140	-	-	-	-
Chalk Hill Special Utility District	Rusk	198	177	171	171	-	-	-	-
City Of Beaumont	Jefferson	340	240	327	214	123	87	119	78
City Of Grapeland	Houston	216	158	172	149	135	99	105	90
City Of Henderson	Rusk	103	-	75	-	46	-	34	-
City Of Jacksonville	Cherokee	259	190	215	149	105	77	81	56
City Of Kirbyville	Jasper	293	158	295	155	125	67	127	66
City Of Lufkin**	Angelina	285	230	237	192	98	79	80	65
City Of Port Neches	Jefferson	188	183	260	176	72	70	100	68
City Of Silsbee	Hardin	289	162	222	93	130	73	98	41
City Of Tyler	Smith	-	674	-	491	-	236	-	177
City Of Woodville	Tyler	810	390	857	620	406	196	430	311
Craft-Turney Water Supply Corporation	Cherokee	257	172	268	143	86	57	89	48
Cross Roads Special Utility District	Gregg/Rusk	256	-	214	-	-	-	-	-
Dean Water Supply Corporation	Smith	-	285	-	237	-	83	-	69
Four Way Special Utility District	Angelina	238	195	210	173	115	94	99	82
Hardin West Water Supply Corporation	Hardin	216	184	223	174	69	59	71	56
Lumberton M.U.D.	Hardin	234	-	230	-	81	-	77	-
M & M Water Supply Corporation	Angelina	-	181	-	189	-	60	-	63
Mauriceville M.U.D.	Orange	180	182	176	163	66	66	62	58
North Hardin Water Supply Corporation	Hardin	216	169	198	163	73	57	66	54
Orange Co. W.C.I.D. #10	Orange	290	252	271	236	83	72	83	73
Rusk Rural Water Supply Corporation	Cherokee	257	178	298	166	87	61	101	56
Tyler Co. Water Supply Corporation	Tyler	209	133	206	174	70	44	69	58
Walnut Grove Water Supply Corporation	Smith	347	-	296	-	116	-	99	-
Walston Springs Water Supply Corporation	Anderson	-	241	-	185	-	79	-	62
West Jefferson County	Jefferson	223	203	230	195	79	72	82	69

Dash (-) indicates data not submitted or could not be adequately verified

*Based on each individual data point in column above

**gallon/connection/day for 2006 and 2007 provided by City of Lufkin

Table 7

**Region I Water Planning Group
Water Production and Sales Survey**

**Per Connection Water Use Based On Residential and Total Water
Production and Sales**

Statistic	Average 2006-2007 (gallon/connection/day)	
	Water Production	Water Sales
Residential		
Average	259	214
Median	230	180
Total		
Average	317	259
Median	245	195

Table 8

**Region I Water Planning Group
Water Production and Sales Survey**

**Per Capita Water Use Based on Residential and Total Water
Production and Sales**

Statistic	Average 2006-2007 (gallon/capita/day)	
	Water Production	Water Sales
Residential		
Average	106	83
Median	86	68
Total		
Average	134	103
Median	97	81

4.0 CONCLUSION AND DISCUSSION OF POTENTIAL WATER CONSERVATION STRATEGIES

The survey responses provide limited understanding of current water conservation practices in Region I. The data suggest that per capita water use is below conservation targets set by the WCITF and therefore do not support the need for development of specific conservation strategies and projections of water conservation savings in Region I.

Future follow-up studies or surveys could further define the type and extent of conservation measures in the region, such as information with regard to active or passive conservation programs. Data that may be of interest is whether active conservation programs, such as water pricing structures to encourage more efficient use, or creation of awareness of the importance of conservation have been successfully implemented. In addition, information concerning implementation of passive conservation measures, such as requiring installation of water efficient plumbing would be of interest. Such strategies and their respective effectiveness could then be compared to the strategies identified by the WCITF.

Survey data was received from 27 diverse WUGs. For 2007, the number of connections ranged from 881 to 41,500 meters. Approximately one-half of the WUGs had less than 2,000 connections, and only three surveys were received from WUGs with more than 10,000 connections.

The per capita water use also has a significant range. However, average and median per capita water use calculated indicate an overall efficient water use.

The scope of this study does not provide for an in-depth comparison of the survey data with previously published data collected in Region I. However, identification and analyses of consistencies and inconsistencies with other data sets would be useful in assessing the quality of the data collected in this survey.

5.0 RECOMMENDATIONS

The survey results suggest that existing water use is efficient and that efforts for additional cost-intensive water conservation efforts in Region I are not warranted at this time. The following recommendations are made as a result of this study:

- WUGs should continue practicing existing water conservation efforts and consider water conservation measures recommended by the WCITF, if they can be implemented in a cost-effective manner.
- Water conservation efforts in Region I should be re-assessed after additional data become available, including data from the next Census in 2010.
- Future data gathering efforts by the ETRWPG and the TWDB or other agencies should provide additional focus on comparing various data sources and resolving any differences that may be found.

APPENDIX A
LIST OF WATER USER GROUPS

Region I Water Planning Group Water Suppliers Serving Approximately 1,000 connections or More Contact Information

Supplier	Contact Name	Address	City	Zip	Phone	Fax
ALTO RURAL WATER SUPPLY CORP.	Tommy Deal	P.O. Box 616	Alto	75925	(936) 858-4648	
ANGELINA WATER SUPPLY CORP.	Keith Weathers	5978 FM 841	Lufkin	75901	(936) 824-2865	(936) 824-2965
BRUSHY CREEK W.S.C.	Joe	249 Anderson County Rd 432	Montalba	75853	(903) 549-2488	
CENTRAL W.C.I.D. OF ANGELINA CO.	Wayne Rice	5307 N US Highway 69	Pollok	75969	(936) 853-2354	(936) 853-2355
CHALK HILL SPECIAL UTILITY DIST.	Ruth Flanagan	16076 FM 1716 East	Henderson	75652	(903) 643-2927	(903) 643-2996
CITY OF ALTO	John Collins	P.O. Box 447	Alto	75925	(936) 858-4711	(936) 585-4761
CITY OF BEAUMONT	Hani Tohme, Ph.D.	801 Main	Beaumont	77701	(409) 886-0026	(409) 880-3112
CITY OF BRIDGE CITY	Judy Monday	260 Rachal Ave	Bridge City	77611	(409) 735-6801	(409) 735-3349
CITY OF CARTHAGE	Scott Goolsby	812 W Panola St.	Carthage	75633	(903) 693-6831	(903) 693-3882
CITY OF CENTER	John Holt, Jr.	617 Tenaha St.	Center	75935	(936) 591-1574	(936) 598-2615
CITY OF CROCKETT	Don Griffin	200 N 5th St.	Crockett	75835	(936) 544-8391	(936) 544-4976
CITY OF DIBOLL	Robby Roberts	P.O. Box 340	Diboll	75941	(936) 829-4757	(936) 829-1179
CITY OF ELKHART		110 W Parker St.	Elkhart	75839	(903) 764-2266	
CITY OF GRAPELAND	Glenn McQueen	126 S Oak St	Grapeland	75844	(936) 687-2115	(936) 687-2799
CITY OF GROVES	Roger Bourque	3947 Lincoln Ave	Groves	77619	(409) 960-5704	(409) 963-3388
CITY OF HENDERSON	Mike Barrow	400 W Main St	Henderson	75652	(903) 657-5246	(903) 657-7327
CITY OF JACKSONVILLE	David Brock	P.O. Box 1390	Jacksonville	75766	(903) 541-2807	(903) 541-2812
CITY OF JASPER	Kelly Myrick	465 S Main	Jasper	75951	(409) 384-4651	(409) 383-6125
CITY OF KIRBYVILLE	Tony Stark	107 S. Elizabeth St	Kirbyville	75956	(409) 423-6191	(409) 423-4569
CITY OF KOUNTZE	Toby Matthews	P.O. Box 188	Kountze	77625	(409) 246-3463	(409) 246-2319
CITY OF LUFKIN	Keith Wright	P.O. Drawer 190	Lufkin	75902	(936) 634-8881	(936) 639-9843
CITY OF NACOGDOCHES	Russell D. Grubbs	P.O. Box 635030	Nacogdoches	75963	(936) 559-2585	(936) 559-2912
CITY OF NEDERLAND	Steve Hamilton	1400 Boston Ave.	Nederland	77627	(409) 723-1565	(409) 723-1550
CITY OF NEWTON	Tommy Wray	101 North St.	Newton	75966	(409) 379-5061	(409) 379-5065
CITY OF ORANGE	Jim Wolf	803 W Green Ave	Orange	77630	(409) 883-1082	(409) 883-1096
CITY OF OVERTON	B. J. Potts	1200 S Commerce St.	Overton	75684	(903) 834-3171	(903) 834-3174
CITY OF PALESTINE	Robert Sedgwick	504 N Queen St	Palestine	75801	(903) 731-8400	(903) 731-8486
CITY OF PINEHURST	Darren May	3640 Mockingbird St.	Orange	77630	(409) 886-4378	(409) 886-7660
CITY OF PORT ARTHUR	Kelly Eldridge	444 Fourth St.	Port Arthur	77640	(409) 983-8115	(409) 983-8128
CITY OF PORT NECHES	Taylor Shelton	634 Avenue C	Port Neches	77651	(409) 727-2182	(409) 727-8677
CITY OF RUSK	Michael Murray	408 N Main St	Rusk	75785	(903) 683-2213	(903) 683-5964
CITY OF SAN AUGUSTINE	Chris Anding	301 S Harrison St.	San Augustine	75972	(936) 275-7183	(936) 275-9146
CITY OF SILSBEE	Joe Moreno	105 S 3rd St.	Silsbee	77656	(409) 385-3897	(409) 385-7033
CITY OF TYLER	Greg Morgan	P.O. Box 2039	Tyler	75710	(903) 531-1238	(903) 531-1259
CITY OF WHITEHOUSE	Jennifer Stuth	P.O. Box 776	Whitehouse	75791	(903) 839-4914	(903) 839-4915
CITY OF WOODVILLE	Charles H Maclin	400 W Bluff St.	Woodville	75979	(409) 283-2234	(409) 283-8412

Region I Water Planning Group Water Suppliers Serving Approximately 1,000 connections or More Contact Information

Supplier	Contact Name	Address	City	Zip	Phone	Fax
COMMUNITY OF APPLEBY	Bobby Stanaland	202 Dean St.	Nacogdoches	75965	(936) 569-9782	(936) 569-0382
CONSOLIDATED W.S.C.	Sherry Reed	P.O. Box 1226	Crockett	75835	(936) 544-2986	
CRAFT-TURNEY W.S.C.	Ronda Briggs	505 SE Loop 456	Jacksonville	75766	(903) 586-9301	
CROSS ROADS SPECIAL UTILITY DIST.	Hugh Sparkman	PO Box 1001	Kilgore	75663	(903) 984-8014	
D & M WATER SUPPLY	Jim Crouch	19496 S Fm 225	Douglass	75943	(936) 559-9900	(936) 559-0112
DEAN WATER SUPPLY CORP.	Terri Beddingfield	P.O. Box 4695	Tyler	75704	(903) 597-2817	
FOUR WAY SPECIAL UTILITY DIST.	Tommy Carswell	P.O. Box 250	Huntington	75949	(936) 422-4188	(936) 876-4012
G-M WATER SUPPLY CORP.	Jerry Pickard	405 Hwy 87 N	Hemphill	75948	(409) 787-2755	
HARDIN WEST W.S.C.	Juanita Hinson	P.O. Box 286	Saratoga	77585	(936) 274-5011	(936) 274-5788
HUDSON WATER SUPPLY CORP.	James Young	3032 Ted Trout Dr	Lufkin	75904	(936) 875-2146	(936) 875-2274
JACKSON WATER SUPPLY CORP.	Tracy Timmons	17764 CR 26	Tyler	75707	(903) 566-1320	
JEFFERSON CO. W.C.I.D. #10	Tommy McDonald	3707 Central Blvd	Nederland	77627	(409) 722-6922	
LUMBERTON M.U.D.	Roger Fussell	P.O. Box 8065	Lumberton	77657	(409) 755-1559	
M&M WATER SUPPLY CORP.	Mary Morgan	Rt. 9 Box 1640	Lufkin	75901	(936) 632-8224	(936) 632-8224
MAURICEVILLE M.U.D.	Jeff M. Holland	P.O. Box 1000	Mauriceville	77626	(409) 745-4882	(409) 745-4591
MELROSE WATER SUPPLY CORP.	Jeff Holliman	12542 E State Hwy 21	Nacogdoches	75961	(936) 560-2360	
NORTH CHEROKEE W.S.C.	Scott Alexander	P.O. Box 1021	Jacksonville	75766	(903) 894-3385	(903) 894-5655
NORTH HARDIN WATER SUPPLY CORP.	Bobby Rogers	P.O. Box 55	Silsbee	77656	(409) 385-7355	(409) 385-0296
ORANGE CO. W.C.I.D. # 2	Johnny Caswell	P.O. Box 278	Orange	77630	(409) 883-4003	
ORANGE CO. W.C.I.D. # 1	Darlene Jackson	460 E Bolivar Dr	Vidor	77662	(409) 769-2669	
REDLAND WATER SUPPLY CORP.	Robert Jopling	5350 Hwy 59 N	Lufkin	75901	(936) 634-5070	(936) 634-4018
RUSK RURAL W.S.C.	Karen Vaught	P.O. Box 606	Rusk	75785	(903) 683-6178	(903) 683-1096
SOUTH NEWTON W.S.C.	Clyde Taylor	P.O. Box 659	Deweyville	77614	(409) 746-2271	
SOUTHERN UTILITIES CO.	Mike Smith	218 N Broadway	Tyler	75702	(903) 593-2588	
TEXAS DEPT. OF CRIMINAL JUSTICE	-	-	-	-	-	-
TYLER CO. WATER SUPPLY CORP.	Trey Daywood	12139 FM 92 N	Spurger	77660	(409) 429-3994	
WALNUT GROVE WATER SUPPLY CORP.	Dan Grimes	P.O. Box 269	Whitehouse	75791	(903) 839-4372	(903) 839-5022
WALSTON SPRINGS W.S.C.	Jane Triplett	P.O. Box 910	Palestine	75802	(903) 729-4236	
WEST JEFFERSON COUNTY	Dennis Greene	7824 Glenbrook Dr	Beaumont	77705	(409) 794-2338	

APPENDIX B
SURVEY FORM

**REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY**

Survey No.

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: _____
 Contact Name: _____
 Phone No.: _____ Fax No.: _____
 E-mail Address: _____
 Mailing Address: _____

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: _____ acre-feet 2006: _____ acre-feet
 2004: _____ acre-feet 2007: _____ acre-feet
 2005: _____ acre-feet 2008: _____ acre-feet (thru ____)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: _____ 2006: _____
 2004: _____ 2007: _____
 2005: _____ 2008 (current): _____

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	_____	_____
Commercial	_____	_____
Industrial	_____	_____
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: _____ If available, 2006 population served: _____
 2007 number of connections: _____ If available, 2007 population served: _____
 2008 number of connections: _____ If available, 2008 population served: _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
 - B. Downsized business
 - C. Other reasons, please specify
- _____

Volume of water served has increased because of:

- A. New business in area
 - B. Expanding business
 - C. Other reasons, please specify
- _____

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? _____

What amount of annual funding is allocated to water conservation? \$ _____

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

PLEASE RETURN BY September 4, 2008

APPENDIX C
TRANSMITTAL LETTER



August 27, 2008

Unique ID
Supplier
Contact Name
Address
City State Zip

Dear Region I RWPG Member:

I am writing on behalf of the Region I Regional Water Planning Group (RWPG). The RWPG has initiated the 2008 and 2009 planning efforts and is verifying and updating water production records. For that purpose, a short survey is attached to this letter. I request that you complete the survey and return it in the self-addressed stamped envelope. Your assistance is greatly appreciated. If you prefer to complete the survey electronically, you can send me an email and I will reply with a link to the survey.

Thank you for your attention to this matter. We will call you in a week or so to follow up. In the meantime, if you have any questions regarding this request, please contact me at (512) 452-5905, or e-mail me at cpasch@apaienv.com.

Sincerely

Chris Pasch

Enclosure

CP/rjm

Lila Fuller, Administrative Contact
P. O. Box 635030, Nacogdoches, TX 75963-5030
Phone: 936-559-2504 Fax: 936-559-2912

APPENDIX D

COMPLETED SURVEYS

Survey No. B51

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: ANGELINA WATER SUPPLY CORP.

Contact Name: Keith Weathers

Phone No.: (936) 824-2865 Fax No.: (936) 824-2965

E-mail Address: angwatsu@consolidated.net

Mailing Address: 5978 FM 841, Lufkin, TX 75901

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 238.50 acre-feet 2006: 242.20 acre-feet
2004: 224.00 acre-feet 2007: 236.81 acre-feet
2005: 249.82 acre-feet 2008: 203 acre-feet (thru Sept)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 210.47 AC-AT 2006: 213.88 AC-AT
2004: 189.00 AC-AT 2007: 185.87 AC-AT
2005: 211.33 AC-AT 2008 (current): 173 AC-AT

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>98.90</u>	<u>99.90</u>
Commercial	<u>2.90</u>	<u>1.90</u>
Industrial	_____	_____
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 1168 If available, 2006 population served: _____

2007 number of connections: 1177 If available, 2007 population served: _____

2008 number of connections: 1192 If available, 2008 population served: _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

none

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

none

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? 0

What amount of annual funding is allocated to water conservation? \$ 0

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. E54

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CHALK HILL SPECIAL UTILITY DIST.

Contact Name: Ruth Flanagan

Phone No.: (903) 643-2927 Fax No.: (903) 643-2996

E-mail Address: _____

Mailing Address: 16076 FM 1716 East, Henderson, TX 75652

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 75,575,800 gals 2006: 93,146,000 gals
2004: 77,905,300 gals 2007: 82,083,300 gals
2005: 88,990,400 gals 2008: 49,671,500 (thru 7-08)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 67,480,400 2006: 83,338,800
2004: 77,905,300 2007: 82,083,300
2005: 83,596,700 2008 (current): 44,926,000

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>100%</u>	<u>100%</u>
Commercial	_____	_____
Industrial	_____	_____
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 1292 If available, 2006 population served: _____

2007 number of connections: 1314 If available, 2007 population served: _____

2008 number of connections: 1331 If available, 2008 population served: _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

residential growth

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? 4

What amount of annual funding is allocated to water conservation? \$ 0

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

**REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY**

Survey No. G56
PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CITY OF BEAUMONT
Contact Name: Hani Tohme, Ph.D.
Phone No.: (409) 886-0026 Fax No.: (409) 880-3112
E-mail Address: htohme@ci.beaumont.tx.us
Mailing Address: 801 Main, Beaumont, TX 77701

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 8,455,088,000 gal (acre-feet)
2004: 8,934,211,000 gal (acre-feet)
2005: 9,054,961,000 gal (acre-feet)
2006: 8,485,582,000 gal (acre-feet)
2007: 8,247,447,000 gal (acre-feet)
2008: 7,189,734,000 gal (acre-feet) (thru OCT)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 5,968,356,700 gal 2006: 5,995,283,001 gal
2004: 6,206,675,190 gal 2007: 5,410,561,799 gal
2005: 6,398,841,150 gal 2008 (current): 4,989,416,230 gal

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>60</u>	<u>60</u>
Commercial	<u>10</u>	<u>10</u>
Industrial	<u>20</u>	<u>20</u>
Institutional	<u>10</u>	<u>10</u>
Agriculture	<u>-</u>	<u>-</u>
Other	<u>-</u>	<u>-</u>
TOTAL	100%	100%

4. How many connections do you serve?
2006 number of connections: 41,000 If available, 2006 population served: _____
2007 number of connections: 41,500 If available, 2007 population served: _____
2008 number of connections: 42,000 If available, 2008 population served: _____
5. Please provide information about significant changes in volume of water served due to changes in customer bases: **NO SIGNIFICANT CHANGE**

Volume of water served has decreased because of:

- A. Closed or relocated business
B. Downsized business
C. Other reasons, please specify

NA

Volume of water served has increased because of:

- A. New business in area
B. Expanding business
C. Other reasons, please specify

NA

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? 5

What amount of annual funding is allocated to water conservation? \$ 100,000

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

CITY OF BEAUMONT HAS AN ONGOING EDUCATIONAL PROGRAM REGARDING CONSERVATION. IN ADDITION, A LEAK DETECTION PROJECT WAS COMPLETED TO MINIMIZE WATER LOSS.

Survey No. N63

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CITY OF GRAPELAND

Contact Name: Glenn McQueen

Phone No.: (936) 687-2115 Fax No.: (936) 687-2799

E-mail Address: _____

Mailing Address: 126 S Oak St, Grapeland, TX 75844

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 259.9 acre-feet 2006: 313.0 acre-feet
2004: 257.7 acre-feet 2007: 239.1 acre-feet
2005: 275.9 acre-feet 2008: 134.7 acre-feet (thru July)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 189.7 acft 2006: 229.7 acft
2004: 207.4 acft 2007: 207.0 acft
2005: 214.8 acft 2008 (current): 119.6 acft

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>70</u>	<u>71</u>
Commercial	<u>21</u>	<u>20</u>
Industrial	<u>7.5</u>	<u>8</u>
Institutional	<u>0</u>	<u>0</u>
Agriculture	<u>1.5</u>	<u>1</u>
Other	_____	_____
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 906 If available, 2006 population served: 1450
2007 number of connections: 881 If available, 2007 population served: 1450
2008 number of connections: 889 If available, 2008 population served: 1450

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
B. Downsized business
C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
B. Expanding business
C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? _____

What amount of annual funding is allocated to water conservation? \$ _____

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

**REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY**

Survey No. **P65**
PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CITY OF HENDERSON
 Contact Name: Mike Barrow
 Phone No.: _____ Fax No.: _____
 E-mail Address: _____
 Mailing Address: 400 W. Main St., Henderson, TX 75652

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: <u>717.6</u> acre-feet	2006: <u>972.5</u> acre-feet
2004: <u>769.5</u> acre-feet	2007: <u>846.4</u> acre-feet
2005: <u>857.2</u> acre-feet	2008: <u>675.6</u> acre-feet (thru <u>9-30</u>)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: <u>NA</u>	2006: <u>NA</u>
2004: <u>NA</u>	2007: <u>NA</u>
2005: <u>NA</u>	2008 (current): <u>NA</u>

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>59</u>	<u>50</u>
Commercial	<u>38</u>	<u>47</u>
Industrial	<u>3</u>	<u>3</u>
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

4. How many connections do you serve?
 2006 number of connections: 4760 If available, 2006 population served: _____
 2007 number of connections: 5068 If available, 2007 population served: 11,025
 2008 number of connections 5120 If available, 2008 population served: _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

- A. Do you have a conservation program?
 Yes No
- B. If yes, how many full-time employees are dedicated to the program? _____
 What amount of annual funding is allocated to water conservation? \$ _____
- C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. _____

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: City of Jacksonville
 Contact Name: David Brock
 Phone No.: 903-589-3510 Fax No.: 903-541-2821
 E-mail Address: david.brock@jacksonvilletx.org
 Mailing Address: 1220 S. Bolton, Jacksonville, TX 75766

1. What was your water production (water volume pumped to the distribution system) over the last five years? gallons

2003: 1,384,703,000 _____ 2006: 1,373,150,000 _____
 2004: 1,385,899,000 _____ 2007: 1,181,235,000 _____
 2005: 1,404,977,000 _____ 2008: 1,172,484,000 _____

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years? gallons

2003: _____ 2006: 1,007,741,100 _____
 2004: _____ 2007: 817,199,200 _____
 2005: 1,016,526,800 _____ 2008 (current): 871,854,600 _____

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>40%</u>	<u>36%</u>
Commercial	<u>60%</u>	<u>64%</u>
Industrial	_____	_____
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 5821 _____ If available, 2006 population served: _____
 2007 number of connections: 5420 _____ If available, 2007 population served: _____
 2008 number of connections: 6475 _____ If available, 2008 population served: 14,537 _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
 B. Downsized business
 C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
 B. Expanding business
 C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

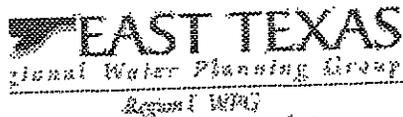
A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? _____

What amount of annual funding is allocated to water conservation? \$ _____

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.



**REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY**

Survey No. Unique ID 368

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CITY OF KIRBYVILLE

Contact Name: TONY STARK

Phone No.: (409) 622-4369 Fax No.: (409) 423-4569

Email Address: CITYELECTONRY@SBCGLOBAL.NET

Billing Address: ~~CITY OF KIRBYVILLE~~, 107 SOUTH ELIZABETH
KIRBYVILLE, TX 75956

What was your water production (water volume pumped to the distribution system) over the last five years?

2003: <u>404.8</u> acre-feet	2006: <u>364.0</u> acre-feet
2004: <u>396.4</u> acre-feet	2007: <u>368.5</u> acre-feet
2005: <u>433.7</u> acre-feet	2008: <u>269.0</u> acre-feet (thru AUG)

If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: <u>190.7</u>	2006: <u>195.8</u>
2004: <u>191.9</u>	2007: <u>193.6</u>
2005: <u>188.6</u>	2008 (current): <u>126.5</u>

What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>80</u>	<u>80</u>
Commercial	<u>15</u>	<u>15</u>
Industrial	<u>0</u>	<u>0</u>
Institutional	<u>0</u>	<u>0</u>
Agriculture	<u>0</u>	<u>0</u>
Other	<u>5</u>	<u>5</u>
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 887 If available, 2006 population served: 2080
 2007 number of connections: 893 If available, 2007 population served: 2080
 2008 number of connections: 892 If available, 2008 population served: 2080

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? NA

What amount of annual funding is allocated to water conservation? \$ NA

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. U70

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CITY OF LUFKIN

Contact Name: Keith Wright

Phone No.: (936) 634-8881 Fax No.: (936) 639-9843

E-mail Address: _____

Mailing Address: P.O. Drawer 190, Lufkin, TX 75902

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 9230 acre-feet 2006: 10,121 acre-feet
2004: 9269 acre-feet 2007: 8,849 acre-feet
2005: 10,368 acre-feet 2008: 5,154 acre-feet (thru July)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 2,567,698,470 2006: 2,657,808,820
2004: 2,483,687,220 2007: 2,342,437,680
2005: 2,652,299,460 2008 (current): 1,139,223,530 (June)

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>40%</u>	<u>38%</u>
Commercial	<u>24%</u>	<u>23.6%</u>
Industrial	<u>31.5%</u>	<u>34.5%</u>
Institutional	_____	_____
Irrigation	<u>4 %</u>	<u>3.3%</u>
Other	<u>0.5%</u>	<u>0.6%</u>
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 14,741 If available, 2006 population served: 36,835
2007 number of connections: 14,961 If available, 2007 population served: 37,572
2008 number of connections: 15,058 If available, 2008 population served: 39,074

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
B. Downsized business
C. Other reasons, please specify

Abitibi (Paper Mill) closed in March 2005

(Last full year - 2004 - used 11,500,000 gallons)

Volume of water served has increased because of:

- A. New business in area
B. Expanding business
C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? 1

What amount of annual funding is allocated to water conservation? \$ ---

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. D79

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CITY OF PORT NECHES
 Contact Name: Taylor Shelton
 Phone No.: (409) 727-2182 Fax No.: (409) 727-8677
 E-mail Address: _____
 Mailing Address: 634 Avenue C, Port Neches, TX 77651

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 1368.2 acre-feet 2006: 1376.6 acre-feet
 2004: 1676.7 acre-feet 2007: 1905.4 acre-feet
 2005: 1384.1 acre-feet 2008: 1276.9 acre-feet (thru AUGUST)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 404,958,000 2006: 435,880,000
 2004: 485,290,000 2007: 420,329,000
 2005: 556,904,000 2008 (current): 458,665,000

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>80%</u>	<u>80%</u>
Commercial	<u>15%</u>	<u>15%</u>
Industrial	<u>5%</u>	<u>5%</u>
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 5,230 If available, 2006 population served: 13,601
 2007 number of connections: 5,240 If available, 2007 population served: 13,601
 2008 number of connections: 5,230 If available, 2008 population served: 13,601

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
 B. Downsized business
 C. Other reasons, please specify
NO SIGNIFICANT CHANGES

Volume of water served has increased because of:

- A. New business in area
 B. Expanding business
 C. Other reasons, please specify
NEW HOUSING PROJECTION

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?
 Yes No

B. If yes, how many full-time employees are dedicated to the program? 2
 What amount of annual funding is allocated to water conservation? \$ 5%

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. G82

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CITY OF SILSBEE
 Contact Name: Charles T. Bartosh
 Phone No.: (409) 385-2863 Fax No.: (409) 385-7033
 E-mail Address: _____
 Mailing Address: 105 S 3rd St., Silsbee, TX 77656

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 332,069,900 acre-feet gallons
 2004: 327,787,000 acre-feet gallons
 2005: 348,094,300 acre-feet gallons
 2006: 326,919,100 gallons
 2007: 250,138,200 gallons
 2008: 240,571,400 (thru Sept) gallons

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 107,575⁰⁰ gals.
 2004: 57,237⁰⁰ gals.
 2005: 233,275⁰⁰ gals.
 2006: 183,300⁰⁰ gals.
 2007: 104,672⁰⁰ gals.
 2008 (current): 231,536⁰⁰ gals.

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
✓ Residential	<u>72403</u>	<u>73251</u>
✓ Commercial	<u>→</u>	<u>→</u>
✓ Industrial	<u>→</u>	<u>→</u>
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

(We do not due it in percentage)

4. How many connections do you serve?

2006 number of connections: 3100 If available, 2006 population served: _____
 2007 number of connections: 3093 If available, 2007 population served: _____
 2008 number of connections: 2983 If available, 2008 population served: _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

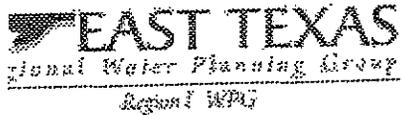
A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? _____

What amount of annual funding is allocated to water conservation? \$ _____

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.



Survey No. Unique ID H83
PLEASE CORRECT ADDRESS AS NECESSARY

From electronic survey response

**REGION I WATER PLANNING GROUP
 WATER PRODUCTION AND SALES SURVEY**

Name of Supplier: CITY OF TYLER
 Contact Name: SHEILA HOONALL
 Phone No.: (903) 531-1232 Fax No.: (903) 531-1259
 Email Address: S.HOONALL@TYLERTEXAS.COM
 Mailing Address: 511 W. LOCUST TYLER, TX 75702

What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 2428.8 acre-feet 2006: 2871.6 acre-feet
 2004: 2391.1 acre-feet 2007: 2327.8 acre-feet
 2005: 2863.4 acre-feet 2008: 1696.2 acre-feet (thru Aug)

If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 7,887,358 2006: 8,634,027
 2004: 6,811,221 2007: 6,502,502
 2005: 7,663,563 2008 (current):

What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>87%</u>	<u>87%</u>
Commercial	<u>9%</u>	<u>9%</u>
Industrial	<u>1%</u>	<u>1%</u>
Institutional	<u>1%</u>	<u>1%</u>
Agriculture	<u> </u>	<u> </u>
Other	<u>2%</u>	<u>2%</u>
TOTAL	100%	100%

4. How many connections do you serve?
 2006 number of connections: 30,541 If available, 2006 population served:
 2007 number of connections: 31,580 If available, 2007 population served:
 2008 number of connections: 33,565 If available, 2008 population served:

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of: N/A

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

- A. Do you have a conservation program?
 Yes No
- B. If yes, how many full-time employees are dedicated to the program?
 What amount of annual funding is allocated to water conservation? \$
- C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. H83

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CITY OF TYLER
 Contact Name: Greg Morgan / Sheila Hudnall preparer
 Phone No.: (903) 531-4461 1238 Fax No.: (903) 531-4281 1259
 E-mail Address: gmorgan@tylertexas.com
 Mailing Address: P.O. Box 2039, Tyler, TX 75710

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 2,428.8 acre-feet 2006: 2,871.6 acre-feet
 2004: 2,391.1 acre-feet 2007: 2,327.8 acre-feet
 2005: 2,868.4 acre-feet 2008: 1,696.2 acre-feet (thru 8-31)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 1,669,321,000 2006: 1,858,025,000
 2004: 1,730,944,000 2007: 1,395,194,000
 2005: 2,075,012,000 2008 (current): 4,844,930,000

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>88.9%</u>	<u>87.9%</u>
Commercial	<u>9.5</u>	<u>9.9%</u>
Industrial	<u>1.1</u>	<u>1.1%</u>
Institutional	<u>.1</u>	<u>.3%</u>
Agriculture		
Other <u>multi-family</u>	<u>1.3</u>	<u>1.7%</u>
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 30662 If available, 2006 population served: _____
 2007 number of connections: 31674 If available, 2007 population served: _____
 2008 number of connections: 32304 If available, 2008 population served: _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

population is growing

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? _____

What amount of annual funding is allocated to water conservation? \$ _____

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. J85

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CITY OF WOODVILLE
 Contact Name: George K. Jones CHARLES H. Maclean
 Phone No.: (409) 283-2234 Fax No.: (409) 283-8412
 E-mail Address: _____
 Mailing Address: 400 W Bluff St., Woodville, TX 75979

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 356,952,000 acre-feet GAIS
 2004: 359,619,000 acre-feet GAIS
 2005: 428,023,000 acre-feet
 2006: 418,825,000 acre-feet GAIS
 2007: 448,557,000 acre-feet
 2008: 304,413,000 acre-feet (thru Aug.)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 271,082,330 2006: 201,899,180
 2004: 290,757,550 2007: 324,369,130
 2005: 299,501,840 2008 (current): 219,936,350

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>95%</u>	<u>95%</u>
Commercial	<u>3%</u>	<u>3%</u>
Industrial	<u>1%</u>	<u>1%</u>
<u>Institutional</u>	<u>1%</u>	<u>1%</u>
Agriculture	<u>-</u>	<u>-</u>
Other	<u>-</u>	<u>-</u>
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 1346 If available, 2006 population served: _____
 2007 number of connections: 1362 If available, 2007 population served: _____
 2008 number of connections: 1402 If available, 2008 population served: _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
 B. Downsized business
 C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
 B. Expanding business
 C. Other reasons, please specify

PRISON EXPANSION

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? -

What amount of annual funding is allocated to water conservation? \$ -

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. M88

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CRAFT-TURNEY W.S.C.
Contact Name: ~~Ronda~~ Rhonda Briggs
Phone No.: 903-586-9301 Fax No.: 903-586-2399
E-mail Address: rhondactwuse@slipstreamtx.com
Mailing Address: 505 Southeast Loop 456, Jacksonville, TX 75766

1. What was your water production (water volume pumped to the distribution system) over the last five years? ^(in gallons)

2003: 157,691,300 acre-feet 2006: 154,671,000 acre-feet
2004: 119,303,150 acre-feet 2007: 162,548,000 acre-feet
2005: 110,010,000 acre-feet 2008: 175,150,000 acre-feet (thru Sept)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years? ^(gallons sold)

2003: 66,012,505 2006: 103,780,790 ⁹⁸⁵
2004: 101,645,269 2007: 80,470,400
2005: 107,277,700 2008 (current): 66,087,100

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>98%</u>	<u>98%</u>
Commercial	<u>1%</u>	<u>1%</u>
Industrial	<u>1%</u>	<u>1%</u>
Institutional	<u>—</u>	<u>—</u>
Agriculture	<u>—</u>	<u>—</u>
Other	<u>—</u>	<u>—</u>
TOTAL	100%	100%

4. How many connections do you serve? @ 3 per connection/meter
2006 number of connections: 1618 If available, 2006 population served: 4854
2007 number of connections: 1627 If available, 2007 population served: 4881
2008 number of connections: 1650 If available, 2008 population served: 4950

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
B. Downsized business
C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
B. Expanding business
C. Other reasons, please specify

population increasing in the rural community

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? 5

What amount of annual funding is allocated to water conservation? \$ na

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. N89

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CROSS ROADS WATER SUPPLY CORP *Special Utility District*
 Contact Name: Hugh Sparkman
 Phone No.: (903) 984-8014 Fax No.: _____
 E-mail Address: _____
 Mailing Address: PO Box 1001, Kilgore, TX 75663

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 91,187,300 ^{gal.} ~~acre-feet~~ 2006: 96,178,100 ^{gal.} ~~acre-feet~~
 2004: 84,779,400 ^{gal.} ~~acre-feet~~ 2007: 83,290,100 ^{gal.} ~~acre-feet~~
 2005: 89,240,200 ^{gal.} ~~acre-feet~~ 2008: 60,729,600 ^{gal.} ~~acre-feet~~ (thru Aug.)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: _____ 2006: _____
 2004: N/A 2007: _____
 2005: _____ 2008 (current): _____

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>99.8</u>	<u>99.8</u>
Commercial	<u>.1</u>	_____
Industrial	<u>.1</u>	_____
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 1025 If available, 2006 population served: _____
 2007 number of connections: 1062 If available, 2007 population served: _____
 2008 number of connections: 1082 If available, 2008 population served: _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

New Residences

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? 0

What amount of annual funding is allocated to water conservation? \$ N/A

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

**REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY**

Survey No. P91

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: DEAN WATER SUPPLY CORP.

Contact Name: Terri Beddingfield

Phone No.: (903) 597-2817 Fax No.: _____

E-mail Address: _____

Mailing Address: P.O. Box 4695, Tyler, TX 75704

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: _____ acre-feet 2006: _____ acre-feet
 2004: _____ acre-feet *N/A* 2007: _____ acre-feet
 2005: _____ acre-feet 2008: _____ acre-feet (thru _____)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: _____ 2006: 148,570,000
 2004: 142,563,000 2007: 124,919,001
 2005: 148,351,700 2008 (current): 100,538,000

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>98</u>	<u>98</u>
Commercial	<u>2</u>	<u>2</u>
Industrial	_____	_____
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 1402 If available, 2006 population served: _____

2007 number of connections: 1415 If available, 2007 population served: _____

2008 number of connections: 1421 If available, 2008 population served: _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify N/A

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify N/A

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? _____

What amount of annual funding is allocated to water conservation? \$ _____

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. Q92

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: Special Utility District
FOUR WAY WATER SUPPLY CORP.
Contact Name: Tommy Carswell
Phone No.: 936 (409) 422-4188 Fax No.: (936) 876-4012
E-mail Address: fourwaywater@valornet.com
Mailing Address: P.O. Box 250, Huntington, TX 75949

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 454.4 acre-feet 2006: 517.2 acre-feet
2004: 455.4 acre-feet 2007: 461.5 acre-feet
2005: 539.7 acre-feet 2008: 317.2 acre-feet (thru Aug.)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 368.8 2006: 423.5
2004: 375.5 2007: 381.6
2005: 402.2 2008 (current): 228.1 - July 08

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>97</u>	<u>97</u>
Commercial	<u>1</u>	<u>1</u>
Industrial	<u><1</u>	<u><1</u>
Institutional	<u><1</u>	<u><1</u>
Agriculture	<u>0</u>	<u>0</u>
Other	<u>0</u>	<u>0</u>
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 1880 If available, 2006 population served: _____
2007 number of connections: 1906 If available, 2007 population served: _____
2008 number of connections: 1923 If available, 2008 population served: _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
B. Downsized business
C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
B. Expanding business
C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? 0

What amount of annual funding is allocated to water conservation? \$ 0

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. S34

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: HARDIN WEST WSC
 Contact Name: Wanita Hinson Juanita
 Phone No.: 936-274-5211 Fax No.: 936-274-5788
 E-mail Address: _____
 Mailing Address: P.O. Box 286

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 70,450³ gallons acre-feet 2006: 110,495⁰⁰⁰ acre-feet
 2004: 82,556⁰⁰ acre-feet 2007: 115,873⁹⁰⁰ acre-feet
 2005: 90,390³ acre-feet 2008: 88,387⁴⁰⁰ acre-feet (thru Sept)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 59,882,755 gallons 2006: 94,300,750
 2004: 67,700,400 2007: 90,590,300
 2005: 79,545,200 2008 (current): 67,375,900

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>98</u>	<u>98</u>
Commercial	<u>2</u>	<u>2</u>
Industrial	_____	_____
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

*572 452-2325
Grant Sample*

4. How many connections do you serve?

2006 number of connections: 1374 If available, 2006 population served: _____
 2007 number of connections: 1295 If available, 2007 population served: _____
 2008 number of connections: 1426 If available, 2008 population served: _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

New Customers in area.

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? _____

What amount of annual funding is allocated to water conservation? \$ _____

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. W38

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: LUMBERTON MUD
 Contact Name: Roger Fussell
 Phone No.: 409 755-1559 Fax No.: 409 755-2345
 E-mail Address: rogerf@lumbertonmud.com
 Mailing Address: PO Box 8065, Lumberton, TX 77657

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 1585 acre-feet 2006: 2019 acre-feet
 2004: 1635 acre-feet 2007: 1983 acre-feet
 2005: 2072 acre-feet 2008: 1459 acre-feet (thru Aug)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: NA 2006: _____
 2004: NA 2007: _____
 2005: _____ 2008 (current): _____

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>98</u>	<u>98</u>
Commercial	<u>2</u>	<u>2</u>
Industrial	_____	_____
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 7241 If available, 2006 population served: 21,723
 3* 2007 number of connections: 7556 If available, 2007 population served: 22,668
 2008 number of connections: 7881 If available, 2008 population served: 23,643

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
 B. Downsized business
 C. Other reasons, please specify
NA

Volume of water served has increased because of:

- A. New business in area
 B. Expanding business
 C. Other reasons, please specify
MORE RESIDENTIAL DEVELOPMENT

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? 0

What amount of annual funding is allocated to water conservation? \$ 2000.00

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

**REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY**

Survey No. **X99**

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: M&M WATER SUPPLY CORP.
 Contact Name: David Johnson
 Phone No.: (936) 632-8224 Fax No.: (936) 632-8224
 E-mail Address: mwater@consolidated.net
 Mailing Address: Rt. 9 Box 1640, Lufkin, TX 75901

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: _____ acre-feet 2006: _____ acre-feet
 2004: _____ acre-feet 2007: _____ acre-feet
 2005: _____ acre-feet 2008: _____ acre-feet (thru _____)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: _____ 2006: _____
 2004: _____ 2007: _____
 2005: _____ 2008 (current): _____

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>98</u>	<u>98</u>
Commercial	<u>2</u>	<u>2</u>
Industrial	<u>0</u>	<u>0</u>
Institutional	<u>0</u>	<u>0</u>
Agriculture	<u>0</u>	<u>0</u>
Other	<u>0</u>	<u>0</u>
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 1060 If available, 2006 population served: 3,180
 2007 number of connections: 1070 If available, 2007 population served: 3,210
 2008 number of connections: 1080 If available, 2008 population served: 3,240

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? 1

What amount of annual funding is allocated to water conservation? \$?

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

EAST TEXAS

Municipal Water Planning Survey
August 2008

City No. Unique ID

USE CORRECT ADDRESS AS NECESSARY

Name of Supplier: MAURICEVILLE MUNICIPAL UTILITY DISTRICT
Contact Name: JEFF H. HOLLAND
City No.: 409-745-4884 Fax No.: 409-745-4591
E-mail Address: jeffholland@mac.com
Billing Address: P.O. Box 1000 MAURICEVILLE, TX 77626

REGION I WATER PLANNING GROUP WATER PRODUCTION AND SALES SURVEY

What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 197,643,000 2006: 196,751,000 gallons
2004: 185,722,000 2007: 195,170,000
2005: 197,773,000 2008: 154,014,000 thru August

If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 179,921,300 2006: 198,870,200
2004: 177,898,000 2007: 181,020,200
2005: 215,505,900 2008 (current): 134,258,600 thru August

What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>98%</u>	<u>98%</u>
Commercial	<u>2%</u>	<u>2%</u>
Industrial	_____	_____
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

4. How many connections do you serve?
2006 number of connections: 729 If available, 2006 population served: N/A
2007 number of connections: 777 If available, 2007 population served: N/A
2008 number of connections: 708 If available, 2008 population served: N/A

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

- A. Do you have a conservation program?
Yes No
- B. If yes, how many full-time employees are dedicated to the program? 0
What amount of annual funding is allocated to water conservation? \$ 0
- C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

EAST TEXAS
 Regional Water Planning Group
 Report RWP-7

REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY

City No. Unique ID

USE CORRECT ADDRESS AS NECESSARY

Name of Supplier: North Hardin Water Supply Corp.
 Contact Name: Bobby Rogers
 Phone No.: (409) 385-7355 Fax No.: (409) 385-0296
 E-mail Address: brogers@nhwsc.com
 Mailing Address: P.O. Box 55, Silsbee, TX 77656

What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 170,240 ⁸⁰⁰ ~~gallons~~ ^{acre-feet}
 2004: 119,017 ³⁰⁰ ~~acre-feet~~
 2005: 185,119 ⁴⁰⁰ ~~acre-feet~~
 2006: 186,952 ⁸⁹⁰ ~~acre-feet~~
 2007: 173,544 ⁹²² ~~acre-feet~~
 2008: 121,031 ⁹²⁰ ~~acre-feet~~ (thru 8-31)

If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 680,663
 2004: 772,637
 2005: 899,079
 2006: 885,464 *off by 1000?*
 2007: 870,011
 2008 (current): 893,885

What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>98</u>	<u>98</u>
Commercial	<u>2</u>	<u>2</u>
Industrial	<u>-</u>	<u>-</u>
Institutional	<u>-</u>	<u>-</u>
Agriculture	<u>-</u>	<u>-</u>
Other	<u>-</u>	<u>-</u>
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 2321 If available, 2006 population served: 6923
 2007 number of connections: 2344 If available, 2007 population served: 7032
 2008 number of connections: 2362 If available, 2008 population served: 7086

5. Please provide information about significant changes in volume of water served due to changes in customer base:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downized business
- C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? _____

What amount of annual funding is allocated to water conservation? \$ _____

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.



**REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY**

*** Corrected to include all of 2008 and corrected amounts for item #2

Survey No. **D105**

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: ORANGE CO. W.C.I.D. #1
 Contact Name: Darlene Jackson
 Phone No.: 409-769-2669 x 222 Fax No.: 409-769-3927
 E-mail Address: 1141@sbcglobal.net
 Mailing Address: 460 E. Bolivar Dr., Vidor, TX 77611

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: <u>1487</u> acre-feet	2006: <u>1557</u> acre-feet
2004: <u>1447</u> acre-feet	2007: <u>1482</u> acre-feet
2005: <u>1478</u> acre-feet	2008: <u>1593</u> acre-feet

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: <u>1299</u> acre-feet	2006: <u>1352</u> acre-feet
2004: <u>1266</u> acre-feet	2007: <u>1290</u> acre-feet
2005: <u>1337</u> acre-feet	2008 (current): <u>1463</u> acre-feet

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>87</u>	<u>87</u>
Commercial	<u>13</u>	<u>13</u>
Industrial	<u>0</u>	<u>0</u>
Institutional	<u>0</u>	<u>0</u>
Agriculture	<u>0</u>	<u>0</u>
Other	<u>0</u>	<u>0</u>
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 4172 If available, 2006 population served: 14,602
 2007 number of connections: 4248 If available, 2007 population served: 13,806
 2008 number of connections: 4306 If available, 2008 population served: 13,994

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

No actual significant change in volume

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

No actual significant change in volume

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? *SEE BELOW

What amount of annual funding is allocated to water conservation? \$ _____

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

*We are a relatively small system and do not have employees solely dedicated to this program. Operations Manager, David LeJune, oversees this program.



REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY

*** Corrected to include all of 2008 and corrected amounts for item #2

Survey No. **D105**
PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: ORANGE CO. W.C.I.D. #1
 Contact Name: Darlene Jackson
 Phone No.: 409-769-2669 x 222 Fax No.: 409-769-3927
 E-mail Address: 1141@sbcglobal.net
 Mailing Address: 46C E. Bolivar Dr., Vidor, TX 77611

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: <u>1487</u> acre-feet	2006: <u>1557</u> acre-feet
2004: <u>1447</u> acre-feet	2007: <u>1482</u> acre-feet
2005: <u>1478</u> acre-feet	2008: <u>1593</u> acre-feet

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: <u>1299</u> acre-feet	2006: <u>1352</u> acre-feet
2004: <u>1266</u> acre-feet	2007: <u>1290</u> acre-feet
2005: <u>1337</u> acre-feet	2008 (current): <u>1463</u> acre-feet

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>87</u>	<u>87</u>
Commercial	<u>13</u>	<u>13</u>
Industrial	<u>0</u>	<u>0</u>
Institutional	<u>0</u>	<u>0</u>
Agriculture	<u>0</u>	<u>0</u>
Other	<u>0</u>	<u>0</u>
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 4172 If available, 2006 population served: 14,602
 2007 number of connections: 4248 If available, 2007 population served: 13,806
 2008 number of connections: 4306 If available, 2008 population served: 13,994

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

No actual significant change in volume

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

No actual significant change in volume

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?
 Yes No

B. If yes, how many full-time employees are dedicated to the program? *SEE BELOW
 What amount of annual funding is allocated to water conservation? \$ _____

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.
 *We are a relatively small system and do not have employees solely dedicated to this program. Operations Manager, David LeJune, oversees this program.



Attn: Grant Sawyer

REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY

Survey No. F107

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: RUSK RURAL WATER SUPPLY CORP.

Contact Name: Karen Vaught SHAD MABRY CELL (903)-721-2617

Phone No.: (903) 683-6178 Fax No.: (903) 683-1096

E-mail Address: _____

Mailing Address: P.O. Box 606, Rusk, TX 75785

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 318 acre-feet 2006: 302 acre-feet
2004: 329 acre-feet 2007: 350 acre-feet
2005: 310 acre-feet 2008: 261 acre-feet (thru _____)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 62,074,235 2006: 68,257,150
2004: 59,087,860 2007: 63,576,400
2005: 65,886,290 2008 (current): 57,613,900

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>100%</u>	<u>100%</u>
Commercial	_____	_____
Industrial	_____	_____
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 1048 If available, 2006 population served: _____
2007 number of connections: 1050 If available, 2007 population served: _____
2008 number of connections: 1061 If available, 2008 population served: _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downized business
- C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? _____

What amount of annual funding is allocated to water conservation? \$ _____

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. J111

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: TYLER CO. WATER SUPPLY CORP.
 Contact Name: Trey Daywood
 Phone No.: (409) 429-3994 Fax No.: (409) 429-5859
 E-mail Address: tcwatersupply@sbcglobal.net
 Mailing Address: 12139 FM 92 N, Spurger, TX 77660

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 271 acre-feet 2006: 427 acre-feet
 2004: 280 acre-feet 2007: 410 acre-feet
 2005: 403 acre-feet 2008: 305 acre-feet (thru 9-08)
 2008 EST. THRU 12-08 = 407 ACRE FT.

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: NO DATA AVAILABLE 2006: 272 ACRE FT.
 2004: NO DATA AVAILABLE 2007: 346 ACRE FT.
 2005: 335 ACRE FT. 2008 (current): 236 ACRE FT. (THRU 9-08)
 2008 EST. THRU 12-08 = 314 ACRE FT.

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>98.4%</u>	<u>98.6%</u>
Commercial	<u>1.6%</u>	<u>1.4%</u>
Industrial	<u>0.0%</u>	<u>0.0%</u>
Institutional	<u>0.0%</u>	<u>0.0%</u>
Agriculture	<u>0.0%</u>	<u>0.0%</u>
Other	<u>0.0%</u>	<u>0.0%</u>
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 1794 If available, 2006 population served: 5,382
 2007 number of connections: 1750 If available, 2007 population served: 5,250
 2008 number of connections: 1743 If available, 2008 population served: 5,229

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

VOLUME SOLD, TOTAL ACTIVE CONNECTIONS & POPULATION ARE DECREASING DUE TO A LACK OF ECONOMIC OPPORTUNITY & DEVELOPMENT IN THE COUNTY OF TYLER
 Volume of water served has increased because of: COUNTY OF TYLER

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? 1

What amount of annual funding is allocated to water conservation? \$ 0

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

THE TCWSC BOARD OF DIRECTORS HAS ONLY RECENTLY APPROVED & ADOPTED A WATER CONSERVATION PLAN. STRATEGIES TO IMPLEMENT AND FUND THOSE PLANS ARE STILL IN THE DEVELOPMENT PHASE.

Survey No. K112

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: WALNUT GROVE WATER SUPPLY CORP.
 Contact Name: Sammy Grimes
 Phone No.: (903) 839-4372 Fax No.: 903-839-5022
 E-mail Address: walnutgrove@hotmail.com
 Mailing Address: P.O. Box 269, Whitehouse, TX 75791

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: _____ acre-feet	2006: <u>900</u> acre-feet
2004: _____ acre-feet	2007: <u>785</u> acre-feet
2005: <u>821</u> acre-feet	2008: <u>501</u> acre-feet (thru <u>7/31/08</u>)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years? N/A

2003: _____	2006: _____
2004: _____	2007: _____
2005: _____	2008 (current): _____

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>99.5</u>	<u>99.5</u>
Commercial	<u>.5</u>	<u>.5</u>
Industrial	_____	_____
Institutional	_____	_____
Agriculture	_____	_____
Other	_____	_____
TOTAL	100%	100%

4. How many connections do you serve? Estimate

2006 number of connections: 2303 If available, 2006 population served: 6900
 2007 number of connections: 2357 If available, 2007 population served: 7071
 2008 number of connections: 2379 If available, 2008 population served: 7137

5. Please provide information about significant changes in volume of water served due to changes in customer bases: N/A

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? _____

What amount of annual funding is allocated to water conservation? \$ _____

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. L113

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: WALSTON SPRINGS WSC

Contact Name: Jane Triplett

Phone No.: 903-729-4236 Fax No.: 903-723-4652

E-mail Address: walspr@etbroadband.net

Mailing Address: P.O. Box 910, Palestine, TX 75802

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 36 acre-feet 2006: 44 acre-feet
 2004: 37 acre-feet 2007: 36 acre-feet
 2005: 43 acre-feet 2008: 36 acre-feet (thru 10/31/08)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

→ 2003: 93,654,000 2006: 109,550,000⁶⁴⁵
 2004: 88,858,000 2007: 86,231,000
 2005: 104,845,000 2008 (current): 116,607 10/08

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential	<u>98</u>	<u>98</u>
Commercial	<u>2</u>	<u>2</u>
Industrial	<u> </u>	<u> </u>
Institutional	<u> </u>	<u> </u>
Agriculture	<u> </u>	<u> </u>
Other	<u> </u>	<u> </u>
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 1218 If available, 2006 population served: 3744
 2007 number of connections: 1252 If available, 2007 population served: 3756
 2008 number of connections: 1267 If available, 2008 population served: 3801

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
- B. Downsized business
- C. Other reasons, please specify

NA

Volume of water served has increased because of:

- A. New business in area
- B. Expanding business
- C. Other reasons, please specify

Relocations,

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No Not Written

B. If yes, how many full-time employees are dedicated to the program? All

What amount of annual funding is allocated to water conservation? \$

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.

Survey No. M114

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: WEST JEFFERSON COUNTY
Contact Name: Dennis Greene
Phone No.: (409) 794-2338 Fax No.: 409-794-1256
E-mail Address: _____
Mailing Address: 7824 Glenbrook Dr, Beaumont, TX 77705

1. What was your water production (water volume pumped to the distribution system) over the last five years?

2003: 245 ~~acre-feet~~ ^{MIL} 2006: 232 ~~acre-foot~~ ^{MIL GAL.}
2004: 239 ~~acre-foot~~ ^{MIL GAL.} 2007: 241 ~~acre-foot~~ ^{MIL GAL.}
2005: 231 ~~acre-foot~~ ^{MIL} 2008: 189 ~~acre-foot~~ ^(thru SEPT. 9 mos.)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?

2003: 209,104,500 GAL 2006: 211,629,900 GAL.
2004: 211,221,000 GAL. 2007: 204,318,000 GAL.
2005: 223,605,000 GAL. 2008 (current): 147,279,400 GAL.
(9 mos)

3. What categories of customers do you serve and what percentage of total volume do they receive?

Category	2006 Percentage	2007 Percentage
Residential -	<u>93</u>	<u>94</u>
Commercial -	<u>6</u>	<u>5</u>
Industrial	_____	_____
Institutional	<u>05</u>	<u>5</u>
Agriculture	_____	_____
Other	<u>05</u>	<u>5</u>
TOTAL	100%	100%

4. How many connections do you serve?

2006 number of connections: 2,650 If available, 2006 population served: _____
2007 number of connections: 2,700 If available, 2007 population served: _____
2008 number of connections: 2,730 If available, 2008 population served: _____

5. Please provide information about significant changes in volume of water served due to changes in customer bases:

Volume of water served has decreased because of:

- A. Closed or relocated business
B. Downsized business
C. Other reasons, please specify
RAIN

Volume of water served has increased because of:

- A. New business in area
B. Expanding business
C. Other reasons, please specify

6. Please provide information regarding conservation efforts.

A. Do you have a conservation program?

Yes No

B. If yes, how many full-time employees are dedicated to the program? 1

What amount of annual funding is allocated to water conservation? \$ 200.00

C. If you would like to provide additional information regarding conservation or other items, please write on a separate sheet or on the back of this survey.