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:

Alan Plummer Associates, Inc.

FINAL REPORT

April 2009
TABLE OF CONTENTS

List of Tables and Figures ............................................................................................................................... ii
List of Abbreviations ...................................................................................................................................... iii

1.0 Executive Summary ................................................................................................................................. ES-1

2.0 Introduction ............................................................................................................................................... 1

3.0 Survey ....................................................................................................................................................... 1
   3.1 Survey Results ........................................................................................................................................ 2
   3.2 Responses to Survey Item Nos. 1 through 6 ..................................................................................... 2
   3.3 Residential Water Use Based on Survey Results ............................................................................. 7

4.0 Conclusion and Discussion of Potential Water Conservation Strategies ........................................... 13

5.0 Recommendations ................................................................................................................................... 14

APPENDIX A LIST OF WATER USER GROUPS
APPENDIX B SURVEY FORM
APPENDIX C SURVEY FORM TRANSMITTAL LETTER
APPENDIX D COMPLETED SURVEYS
# LIST OF TABLES

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Water Production and Water Sales for Years 2005 - 2008</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>Categories of Customers Served by Water User Groups</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>Number of Connections and Population Served for Each Water User Group, Years 2006, 2007, and 2008</td>
<td>6</td>
</tr>
<tr>
<td>4</td>
<td>Responses to Question About Cause of Significant Change in Water Volume Served</td>
<td>8</td>
</tr>
<tr>
<td>5</td>
<td>Responses to Question About Water Conservation Efforts</td>
<td>9</td>
</tr>
<tr>
<td>6</td>
<td>Residential Water Use in 2006 and 2007</td>
<td>11</td>
</tr>
<tr>
<td>7</td>
<td>Per Connection Water Use Based on Residential and Total Water Production and Sales</td>
<td>12</td>
</tr>
<tr>
<td>8</td>
<td>Per Capita Water Use Based on Residential and Total Water Production and Sales</td>
<td>12</td>
</tr>
</tbody>
</table>
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 at 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 ETRWP 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**

<table>
<thead>
<tr>
<th>Water User Group</th>
<th>County</th>
<th>Year 2005</th>
<th>Year 2006</th>
<th>Year 2007</th>
<th>Year 2008</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Water Production</td>
<td>Water Sales</td>
<td>Water Production</td>
<td>Water Sales</td>
</tr>
<tr>
<td>Angelina Water Supply Corporation</td>
<td>Angelina</td>
<td>250</td>
<td>211</td>
<td>242</td>
<td>214</td>
</tr>
<tr>
<td>Chalk Hill Special Utility District</td>
<td>Rusk</td>
<td>273</td>
<td>257</td>
<td>286</td>
<td>256</td>
</tr>
<tr>
<td>City Of Beaumont</td>
<td>Jefferson</td>
<td>27,789</td>
<td>19,637</td>
<td>26,041</td>
<td>18,399</td>
</tr>
<tr>
<td>City Of Grapeland</td>
<td>Houston</td>
<td>276</td>
<td>215</td>
<td>313</td>
<td>230</td>
</tr>
<tr>
<td>City Of Henderson</td>
<td>Rusk</td>
<td>857</td>
<td>-</td>
<td>973</td>
<td>-</td>
</tr>
<tr>
<td>City Of Jacksonville</td>
<td>Cherokee</td>
<td>4,312</td>
<td>3,120</td>
<td>4,214</td>
<td>3,093</td>
</tr>
<tr>
<td>City Of Kirbyville</td>
<td>Jasper</td>
<td>434</td>
<td>189</td>
<td>364</td>
<td>196</td>
</tr>
<tr>
<td>City Of Lufkin</td>
<td>Angelina</td>
<td>10,368</td>
<td>8,140</td>
<td>10,121</td>
<td>8,157</td>
</tr>
<tr>
<td>City Of Port Neches</td>
<td>Jefferson</td>
<td>1,384</td>
<td>1,709</td>
<td>1,377</td>
<td>1,338</td>
</tr>
<tr>
<td>City Of Silsbee</td>
<td>Hardin</td>
<td>1,068</td>
<td>716</td>
<td>1,003</td>
<td>563</td>
</tr>
<tr>
<td>City Of Tyler</td>
<td>Smith</td>
<td>-</td>
<td>23,525</td>
<td>-</td>
<td>26,497</td>
</tr>
<tr>
<td>City Of Woodville</td>
<td>Tyler</td>
<td>1,314</td>
<td>919</td>
<td>1,285</td>
<td>620</td>
</tr>
<tr>
<td>Craft-Turney Water Supply Corporation</td>
<td>Cherokee</td>
<td>491</td>
<td>329</td>
<td>475</td>
<td>318</td>
</tr>
<tr>
<td>Cross Roads Special Utility District</td>
<td>Gregg/Rusk</td>
<td>274</td>
<td>-</td>
<td>295</td>
<td>-</td>
</tr>
<tr>
<td>Dean Water Supply Corporation</td>
<td>Smith</td>
<td>-</td>
<td>455</td>
<td>-</td>
<td>456</td>
</tr>
<tr>
<td>Four Way Special Utility District</td>
<td>Angelina</td>
<td>540</td>
<td>402</td>
<td>517</td>
<td>424</td>
</tr>
<tr>
<td>Hardin West Water Supply Corporation</td>
<td>Hardin</td>
<td>277</td>
<td>244</td>
<td>339</td>
<td>289</td>
</tr>
<tr>
<td>Lumberton M.U.D.</td>
<td>Hardin</td>
<td>2,072</td>
<td>-</td>
<td>2,019</td>
<td>-</td>
</tr>
<tr>
<td>M &amp; M Water Supply Corporation</td>
<td>Angelina</td>
<td>-</td>
<td>211</td>
<td>-</td>
<td>220</td>
</tr>
<tr>
<td>Mauriceville M.U.D.</td>
<td>Orange</td>
<td>607</td>
<td>661</td>
<td>604</td>
<td>610</td>
</tr>
<tr>
<td>North Hardin Water Supply Corporation</td>
<td>Hardin</td>
<td>620</td>
<td>472</td>
<td>574</td>
<td>448</td>
</tr>
<tr>
<td>Orange Co. W.C.I.D. #10</td>
<td>Orange</td>
<td>1,478</td>
<td>1,337</td>
<td>1,557</td>
<td>1,352</td>
</tr>
<tr>
<td>Rusk Rural Water Supply Corporation</td>
<td>Cherokee</td>
<td>310</td>
<td>202</td>
<td>302</td>
<td>209</td>
</tr>
<tr>
<td>Tyler Co. Water Supply Corporation</td>
<td>Tyler</td>
<td>403</td>
<td>335</td>
<td>427</td>
<td>272</td>
</tr>
<tr>
<td>Walnut Grove Water Supply Corporation</td>
<td>Smith</td>
<td>821</td>
<td>-</td>
<td>900</td>
<td>-</td>
</tr>
<tr>
<td>Walston Springs Water Supply Corporation</td>
<td>Anderson</td>
<td>-</td>
<td>322</td>
<td>-</td>
<td>336</td>
</tr>
<tr>
<td>West Jefferson County</td>
<td>Jefferson</td>
<td>709</td>
<td>688</td>
<td>712</td>
<td>649</td>
</tr>
</tbody>
</table>

*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.
### Categories of Customers Served by Water User Groups

<table>
<thead>
<tr>
<th>Water User Group</th>
<th>County</th>
<th>Percentage of Total Volume by Category For Years 2006 and 2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angelina Water Supply Corporation</td>
<td>Angelina</td>
<td>98</td>
</tr>
<tr>
<td>Chalk Hill Special Utility District</td>
<td>Rusk</td>
<td>100</td>
</tr>
<tr>
<td>City Of Beaumont</td>
<td>Jefferson</td>
<td>60</td>
</tr>
<tr>
<td>City Of Grapeland</td>
<td>Houston</td>
<td>70</td>
</tr>
<tr>
<td>City Of Henderson</td>
<td>Rusk</td>
<td>59</td>
</tr>
<tr>
<td>City Of Jacksonville</td>
<td>Cherokee</td>
<td>40</td>
</tr>
<tr>
<td>City Of Kirbyville</td>
<td>Jasper</td>
<td>80</td>
</tr>
<tr>
<td>City Of Lufkin</td>
<td>Angelina</td>
<td>40</td>
</tr>
<tr>
<td>City Of Port Neches</td>
<td>Jefferson</td>
<td>80</td>
</tr>
<tr>
<td>City Of Silsbee</td>
<td>Hardin</td>
<td>100</td>
</tr>
<tr>
<td>City Of Tyler</td>
<td>Smith</td>
<td>87</td>
</tr>
<tr>
<td>City Of Woodville</td>
<td>Tyler</td>
<td>95</td>
</tr>
<tr>
<td>Craft-Turney Water Supply Corporation</td>
<td>Cherokee</td>
<td>98</td>
</tr>
<tr>
<td>Cross Roads Special Utility District</td>
<td>Gregg/Rusk</td>
<td>99.8</td>
</tr>
<tr>
<td>Dean Water Supply Corporation</td>
<td>Smith</td>
<td>98</td>
</tr>
<tr>
<td>Four Way Special Utility District</td>
<td>Angelina</td>
<td>97</td>
</tr>
<tr>
<td>Hardin West Water Supply Corporation</td>
<td>Hardin</td>
<td>98</td>
</tr>
<tr>
<td>Lumberton M.U.D.</td>
<td>Hardin</td>
<td>98</td>
</tr>
<tr>
<td>M &amp; M Water Supply Corporation</td>
<td>Angelina</td>
<td>98</td>
</tr>
<tr>
<td>Mauriceville M.U.D.</td>
<td>Orange</td>
<td>98</td>
</tr>
<tr>
<td>North Hardin Water Supply Corporation</td>
<td>Hardin</td>
<td>98</td>
</tr>
<tr>
<td>Orange Co. W.C.I.D. #10</td>
<td>Orange</td>
<td>87</td>
</tr>
<tr>
<td>Rusk Co. Water Supply Corporation</td>
<td>Tyler</td>
<td>98.4</td>
</tr>
<tr>
<td>Walnut Grove Water Supply Corporation</td>
<td>Smith</td>
<td>99.5</td>
</tr>
<tr>
<td>Walston Springs Water Supply Corporation</td>
<td>Anderson</td>
<td>98</td>
</tr>
<tr>
<td>West Jefferson County</td>
<td>Jefferson</td>
<td>93</td>
</tr>
</tbody>
</table>
### 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

<table>
<thead>
<tr>
<th>Water User Group</th>
<th>County</th>
<th>Connections Served</th>
<th>Population</th>
<th>Change from 2006 to 2008</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Number of Connections Year</td>
<td>Change from 2006 to 2008</td>
<td>Number of Residents Year</td>
</tr>
<tr>
<td>Angelina Water Supply Corporation&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Angelina</td>
<td>1,168</td>
<td>1,177</td>
<td>1,192</td>
</tr>
<tr>
<td>Chalk Hill Special Utility District&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Rusk</td>
<td>1,292</td>
<td>1,314</td>
<td>1,331</td>
</tr>
<tr>
<td>City Of Beaumont&lt;sup&gt;2&lt;/sup&gt;</td>
<td>Jefferson</td>
<td>41,000</td>
<td>41,500</td>
<td>42,000</td>
</tr>
<tr>
<td>City Of Grapeland&lt;sup&gt;2&lt;/sup&gt;</td>
<td>Houston</td>
<td>906</td>
<td>881</td>
<td>889</td>
</tr>
<tr>
<td>City Of Henderson&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Rusk</td>
<td>4,960</td>
<td>5,068</td>
<td>5,120</td>
</tr>
<tr>
<td>City Of Jacksonville&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Cherokee</td>
<td>5,821</td>
<td>5,420</td>
<td>5,475</td>
</tr>
<tr>
<td>City Of Kirbyville&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Jasper</td>
<td>887</td>
<td>893</td>
<td>892</td>
</tr>
<tr>
<td>City Of Lufkin&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Angelina</td>
<td>14,741</td>
<td>14,961</td>
<td>15,058</td>
</tr>
<tr>
<td>City Of Port Neches&lt;sup&gt;4&lt;/sup&gt;</td>
<td>Jefferson</td>
<td>5,230</td>
<td>5,240</td>
<td>5,230</td>
</tr>
<tr>
<td>City Of Silsbee&lt;sup&gt;2&lt;/sup&gt;</td>
<td>Hardin</td>
<td>3,100</td>
<td>3,093</td>
<td>2,983</td>
</tr>
<tr>
<td>City Of Tyler&lt;sup&gt;4&lt;/sup&gt;</td>
<td>Smith</td>
<td>30,541</td>
<td>31,580</td>
<td>33,565</td>
</tr>
<tr>
<td>City Of Woodville&lt;sup&gt;4&lt;/sup&gt;</td>
<td>Tyler</td>
<td>1,346</td>
<td>1,362</td>
<td>1,402</td>
</tr>
<tr>
<td>Craft-Turney Water Supply Corporation&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Cherokee</td>
<td>1,618</td>
<td>1,627</td>
<td>1,650</td>
</tr>
<tr>
<td>Cross Roads Special Utility District&lt;sup&gt;4&lt;/sup&gt;</td>
<td>Gregg/Rusk</td>
<td>1,025</td>
<td>1,062</td>
<td>1,082</td>
</tr>
<tr>
<td>Dean Water Supply Corporation&lt;sup&gt;4&lt;/sup&gt;</td>
<td>Smith</td>
<td>1,402</td>
<td>1,415</td>
<td>1,421</td>
</tr>
<tr>
<td>Four Way Special Utility District&lt;sup&gt;4&lt;/sup&gt;</td>
<td>Angelina</td>
<td>1,880</td>
<td>1,906</td>
<td>1,923</td>
</tr>
<tr>
<td>Hardin West Water Supply Corporation&lt;sup&gt;4&lt;/sup&gt;</td>
<td>Hardin</td>
<td>1,374</td>
<td>1,395</td>
<td>1,426</td>
</tr>
<tr>
<td>Lumberton M.U.D.&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Hardin</td>
<td>7,556</td>
<td>7,556</td>
<td>7,881</td>
</tr>
<tr>
<td>M &amp; M Water Supply Corporation&lt;sup&gt;4&lt;/sup&gt;</td>
<td>Angelina</td>
<td>1,060</td>
<td>1,070</td>
<td>1,080</td>
</tr>
<tr>
<td>Mauriceville M.U.D.&lt;sup&gt;4&lt;/sup&gt;</td>
<td>Orange</td>
<td>2,929</td>
<td>2,979</td>
<td>3,048</td>
</tr>
<tr>
<td>North Hardin Water Supply Corporation&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Hardin</td>
<td>2,321</td>
<td>2,344</td>
<td>2,362</td>
</tr>
<tr>
<td>Orange Co. W.C.I.D. #10&lt;sup&gt;4&lt;/sup&gt;</td>
<td>Orange</td>
<td>4,172</td>
<td>4,248</td>
<td>4,306</td>
</tr>
<tr>
<td>Rusk Rural Water Supply Corporation&lt;sup&gt;4&lt;/sup&gt;</td>
<td>Cherokee</td>
<td>1,048</td>
<td>1,050</td>
<td>1,061</td>
</tr>
<tr>
<td>Tyler Co. Water Supply Corporation&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Tyler</td>
<td>1,794</td>
<td>1,750</td>
<td>1,743</td>
</tr>
<tr>
<td>Walnut Grove Water Supply Corporation&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Smith</td>
<td>2,303</td>
<td>2,357</td>
<td>2,379</td>
</tr>
<tr>
<td>Walston Springs Water Supply Corporation&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Anderson</td>
<td>1,218</td>
<td>1,252</td>
<td>1,287</td>
</tr>
<tr>
<td>West Jefferson County&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Jefferson</td>
<td>2,650</td>
<td>2,700</td>
<td>2,730</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>146,279</td>
<td>148,150</td>
<td>151,436</td>
</tr>
</tbody>
</table>

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**

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

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

<table>
<thead>
<tr>
<th>Water User Group</th>
<th>County</th>
<th>Does the WUG have a Conservation Program?</th>
<th>Number of Employees Dedicated to Conservation Program</th>
<th>Annual Funding for Conservation Program</th>
<th>Additional Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angelina Water Supply Corporation</td>
<td>Angelina</td>
<td>Yes</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Chalk Hill Special Utility District</td>
<td>Rusk</td>
<td>Yes</td>
<td>4</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>City Of Beaumont</td>
<td>Jefferson</td>
<td>Yes</td>
<td>5</td>
<td>$100,000</td>
<td>educational program regarding conservation. In addition, a leak detection project was completed to minimize water loss.</td>
</tr>
<tr>
<td>City Of Grapeland</td>
<td>Houston</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>City Of Henderson</td>
<td>Rusk</td>
<td>Yes</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>City Of Jacksonville</td>
<td>Cherokee</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>City Of Kirbyville</td>
<td>Jasper</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>City Of Lufkin</td>
<td>Angelina</td>
<td>Yes</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>City Of Port Neches</td>
<td>Jefferson</td>
<td>Yes</td>
<td>2</td>
<td>5%</td>
<td>-</td>
</tr>
<tr>
<td>City Of Silsbee</td>
<td>Hardin</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>City Of Tyler</td>
<td>Smith</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>City Of Woodville</td>
<td>Tyler</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Craft-Turney Water Supply Corporation</td>
<td>Cherokee</td>
<td>Yes</td>
<td>5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Cross Roads Special Utility District</td>
<td>Gregg/Rusk</td>
<td>Yes</td>
<td>0</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dean Water Supply Corporation</td>
<td>Smith</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Four Way Special Utility District</td>
<td>Angelina</td>
<td>Yes</td>
<td>0</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Hardin West Water Supply Corporation</td>
<td>Hardin</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lumberton M.U.D.</td>
<td>Hardin</td>
<td>Yes</td>
<td>0</td>
<td>$2,000</td>
<td>-</td>
</tr>
<tr>
<td>M &amp; M Water Supply Corporation</td>
<td>Orange</td>
<td>Yes</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mauriceville M.U.D.</td>
<td>Orange</td>
<td>Yes</td>
<td>0</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>North Hardin Water Supply Corporation</td>
<td>Hardin</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Orange Co. W.C.I.D. #10</td>
<td>Orange</td>
<td>Yes</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Rusk Rural Water Supply Corporation</td>
<td>Cherokee</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Tyler Co. Water Supply Corporation</td>
<td>Tyler</td>
<td>Yes</td>
<td>1</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Walnut Grove Water Supply Corporation</td>
<td>Smith</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Walston Springs Water Supply Corporation</td>
<td>Anderson</td>
<td>Yes</td>
<td>All</td>
<td>-</td>
<td>Not Written</td>
</tr>
<tr>
<td>West Jefferson County</td>
<td>Jefferson</td>
<td>Yes</td>
<td>1</td>
<td>$200</td>
<td>-</td>
</tr>
</tbody>
</table>

**Note:** 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 WCITF. 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.

---

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

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

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Average 2006-2007 (gallon/connection/day)</th>
<th>Water Production</th>
<th>Water Sales</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average</td>
<td>259</td>
<td>214</td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td>230</td>
<td>180</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average</td>
<td>317</td>
<td>259</td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td>245</td>
<td>195</td>
<td></td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Average 2006-2007 (gallon/capita/day)</th>
<th>Water Production</th>
<th>Water Sales</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average</td>
<td>106</td>
<td>83</td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td>86</td>
<td>68</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average</td>
<td>134</td>
<td>103</td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td>97</td>
<td>81</td>
<td></td>
</tr>
</tbody>
</table>
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
<table>
<thead>
<tr>
<th>Supplier</th>
<th>Contact Name</th>
<th>Address</th>
<th>City</th>
<th>Zip</th>
<th>Phone</th>
<th>Fax</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALTO RURAL WATER SUPPLY CORP.</td>
<td>Tommy Deal</td>
<td>P.O. Box 616</td>
<td>Alto</td>
<td>75925</td>
<td>(936) 858-4648</td>
<td></td>
</tr>
<tr>
<td>ANGELINA WATER SUPPLY CORP.</td>
<td>Keith Weathers</td>
<td>5978 FM 841</td>
<td>Lufkin</td>
<td>75901</td>
<td>(936) 824-2865</td>
<td>(936) 824-2965</td>
</tr>
<tr>
<td>BRUSHY CREEK W.S.C.</td>
<td>Joe</td>
<td>249 Anderson County Rd 432</td>
<td>Montalba</td>
<td>75853</td>
<td>(903) 549-2488</td>
<td></td>
</tr>
<tr>
<td>CENTRAL W.C.I.D. OF ANGELINA CO.</td>
<td>Wayne Race</td>
<td>5307 N US Highway 69</td>
<td>Pollok</td>
<td>75969</td>
<td>(936) 853-2354</td>
<td>(936) 853-2355</td>
</tr>
<tr>
<td>CHALK HILL SPECIAL UTILITY DIST.</td>
<td>Ruth Flanagan</td>
<td>16076 FM 1716 East</td>
<td>Henderson</td>
<td>75652</td>
<td>(903) 643-2927</td>
<td>(903) 643-2996</td>
</tr>
<tr>
<td>CITY OF ALTO</td>
<td>John Collins</td>
<td>P.O. Box 447</td>
<td>Alto</td>
<td>75925</td>
<td>(936) 858-4711</td>
<td>(936) 585-4761</td>
</tr>
<tr>
<td>CITY OF BEAUMONT</td>
<td>Hani Tohme, Ph.D.</td>
<td>801 Main</td>
<td>Beaumont</td>
<td>77701</td>
<td>(409) 886-0026</td>
<td>(409) 880-3112</td>
</tr>
<tr>
<td>CITY OF BRIDGE CITY</td>
<td>Judy Monday</td>
<td>260 Rachal Ave</td>
<td>Bridge City</td>
<td>77611</td>
<td>(409) 735-6801</td>
<td>(409) 735-3349</td>
</tr>
<tr>
<td>CITY OF CARTHAGE</td>
<td>Scott Goosby</td>
<td>812 W Panola St.</td>
<td>Carthage</td>
<td>75635</td>
<td>(903) 693-6831</td>
<td>(903) 693-3882</td>
</tr>
<tr>
<td>CITY OF CENTER</td>
<td>John Holt, Jr.</td>
<td>617 Tenaha St.</td>
<td>Center</td>
<td>75935</td>
<td>(936) 591-1574</td>
<td>(936) 598-2615</td>
</tr>
<tr>
<td>CITY OF CROCKETT</td>
<td>Don Griffin</td>
<td>200 N 5th St.</td>
<td>Crockett</td>
<td>75835</td>
<td>(936) 544-8391</td>
<td>(936) 544-4976</td>
</tr>
<tr>
<td>CITY OF DIBOLL</td>
<td>Robby Roberts</td>
<td>P.O. Box 340</td>
<td>Diboll</td>
<td>75941</td>
<td>(936) 829-4757</td>
<td>(936) 829-1179</td>
</tr>
<tr>
<td>CITY OF ELKHART</td>
<td></td>
<td>110 W Parker St.</td>
<td>Elkhart</td>
<td>75839</td>
<td>(903) 764-2266</td>
<td></td>
</tr>
<tr>
<td>CITY OF GRAPELAND</td>
<td>Glenn Mcqueen</td>
<td>126 S Oak St</td>
<td>Grapeiland</td>
<td>75844</td>
<td>(936) 687-2115</td>
<td>(936) 687-2799</td>
</tr>
<tr>
<td>CITY OF GROVES</td>
<td>Roger Bourque</td>
<td>3947 Lincoln Ave</td>
<td>Groves</td>
<td>77619</td>
<td>(409) 960-5704</td>
<td>(409) 963-3388</td>
</tr>
<tr>
<td>CITY OF HENDERSON</td>
<td>Mike Barrow</td>
<td>400 W Main St</td>
<td>Henderson</td>
<td>75652</td>
<td>(903) 657-5246</td>
<td>(903) 657-7327</td>
</tr>
<tr>
<td>CITY OF JACKSONVILLE</td>
<td>David Brock</td>
<td>P.O. Box 1390</td>
<td>Jacksonville</td>
<td>75766</td>
<td>(903) 541-2807</td>
<td>(903) 541-2812</td>
</tr>
<tr>
<td>CITY OF JASPER</td>
<td>Kelly Myrick</td>
<td>465 S Main</td>
<td>Jasper</td>
<td>75951</td>
<td>(409) 384-4651</td>
<td>(409) 383-6125</td>
</tr>
<tr>
<td>CITY OF KIRBYVILLE</td>
<td>Tony Stark</td>
<td>107 S. Elizabeth St</td>
<td>Kirbyville</td>
<td>75956</td>
<td>(409) 423-6191</td>
<td>(409) 423-4569</td>
</tr>
<tr>
<td>CITY OF KOUNTZE</td>
<td>Toby Matthews</td>
<td>P.O. Box 188</td>
<td>Kountze</td>
<td>77625</td>
<td>(409) 246-3463</td>
<td>(409) 246-2319</td>
</tr>
<tr>
<td>CITY OF LUFKIN</td>
<td>Keith Wright</td>
<td>P.O. Drawer 190</td>
<td>Lufkin</td>
<td>75902</td>
<td>(936) 634-8881</td>
<td>(936) 639-9843</td>
</tr>
<tr>
<td>CITY OF NACOGDOCHES</td>
<td>Russell D. Grubbs</td>
<td>P.O. Box 635030</td>
<td>Nacogdoches</td>
<td>75963</td>
<td>(936) 559-2585</td>
<td>(936) 559-2912</td>
</tr>
<tr>
<td>CITY OF NETHERLAND</td>
<td>Steve Hamilton</td>
<td>1400 Boston Ave.</td>
<td>Nederland</td>
<td>77627</td>
<td>(702) 723-1565</td>
<td>(702) 723-1550</td>
</tr>
<tr>
<td>CITY OF NEWTON</td>
<td>Tommy Wray</td>
<td>101 North St.</td>
<td>Newton</td>
<td>75966</td>
<td>(409) 379-5061</td>
<td>(409) 379-5065</td>
</tr>
<tr>
<td>CITY OF ORANGE</td>
<td>Jim Wolf</td>
<td>803 W Green Ave</td>
<td>Orange</td>
<td>77630</td>
<td>(409) 883-1082</td>
<td>(409) 883-1096</td>
</tr>
<tr>
<td>CITY OF OVERTON</td>
<td>B. J. Potts</td>
<td>1200 S Commerce St.</td>
<td>Overton</td>
<td>75684</td>
<td>(903) 834-3171</td>
<td>(903) 834-3174</td>
</tr>
<tr>
<td>CITY OF PALESTINE</td>
<td>Robert Sedgwick</td>
<td>504 N Queen St</td>
<td>Palestine</td>
<td>75801</td>
<td>(903) 731-8400</td>
<td>(903) 731-8486</td>
</tr>
<tr>
<td>CITY OF PINEHURST</td>
<td>Darren May</td>
<td>3640 Mockingbird St.</td>
<td>Orange</td>
<td>77630</td>
<td>(409) 886-4378</td>
<td>(409) 886-7660</td>
</tr>
<tr>
<td>CITY OF PORT ARTHUR</td>
<td>Kelly Eldridge</td>
<td>444 Fourth St.</td>
<td>Port Arthur</td>
<td>77640</td>
<td>(903) 983-8115</td>
<td>(903) 983-8128</td>
</tr>
<tr>
<td>CITY OF PORT NECHES</td>
<td>Taylor Shelton</td>
<td>634 Avenue C</td>
<td>Port Neches</td>
<td>77651</td>
<td>(409) 727-2182</td>
<td>(409) 727-8677</td>
</tr>
<tr>
<td>CITY OF RUSK</td>
<td>Michael Murray</td>
<td>408 N Main St</td>
<td>Rusk</td>
<td>75785</td>
<td>(903) 683-2213</td>
<td>(903) 683-5964</td>
</tr>
<tr>
<td>CITY OF SAN AUGUSTINE</td>
<td>Chris Anding</td>
<td>301 S Harrison St.</td>
<td>San Augustine</td>
<td>75972</td>
<td>(936) 275-7183</td>
<td>(936) 275-9146</td>
</tr>
<tr>
<td>CITY OF SILSBEE</td>
<td>Joe Moreno</td>
<td>105 S 3rd St.</td>
<td>Silsbee</td>
<td>77656</td>
<td>(409) 385-3897</td>
<td>(409) 385-7033</td>
</tr>
<tr>
<td>CITY OF TYLER</td>
<td>Greg Morgan</td>
<td>P.O. Box 2039</td>
<td>Tyler</td>
<td>75710</td>
<td>(903) 531-1238</td>
<td>(903) 531-1259</td>
</tr>
<tr>
<td>CITY OF WHITEHOUSE</td>
<td>Jennifer Stuth</td>
<td>P.O. Box 776</td>
<td>Whitehouse</td>
<td>75791</td>
<td>(903) 839-4914</td>
<td>(903) 839-4915</td>
</tr>
<tr>
<td>CITY OF WOODVILLE</td>
<td>Charles H Maclin</td>
<td>400 W Bluff St.</td>
<td>Woodville</td>
<td>75979</td>
<td>(409) 283-2234</td>
<td>(409) 283-8412</td>
</tr>
</tbody>
</table>
Region I Water Planning Group Water Suppliers Serving Approximately 1,000 connections or More Contact Information

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

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

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

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

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
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: 2,385.0 acre-feet 2006: 2,422.0 acre-feet
   2004: 2,241.0 acre-feet 2007: 2,368.1 acre-feet
   2005: 2,443.2 acre-feet 2008: 2,032 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: 2,104.7 Ac-ft 2006: 2,133.8 Ac-ft
   2004: 1,905 Ac-ft 2007: 1,958.7 Ac-ft
   2005: 2,113.8 Ac-ft 2008 (current): 1,732 Ac-ft

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>98.9%</td>
<td>99.9%</td>
</tr>
<tr>
<td>Commercial</td>
<td>2.9%</td>
<td>1.0%</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

4. How many connections do you serve?
   2006 number of connections: 11,628 If available, 2006 population served: ___
   2007 number of connections: 11,777 If available, 2007 population served: ___
   2008 number of connections: 11,922 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
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: 16976 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: 7,575,800 gals
   - 2004: 7,905,300 gals
   - 2005: 8,990,400 gals
   - 2006: 9,146,000 gals
   - 2007: 8,083,300 gals
   - 2008: 4,671,500 gals

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?
   - 2003: 7,480,400 gals
   - 2004: 7,905,300 gals
   - 2005: 5,966,700 gals
   - 2006: 8,338,800 gals
   - 2007: 8,083,300 gals
   - 2008: 44,926,000 gals

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Commercial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

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.

PLEASE RETURN BY September 4, 2008
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: 5,450,080,000 gal
   - 2004: 8,184,214,000 gal
   - 2005: 8,145,914,000 gal
   - 2006: 8,485,562,000 gal
   - 2007: 8,247,147,000 gal
   - 2008: 7,189,714,000 gal (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
   - 2004: 6,206,675,190 gal
   - 2005: 6,398,841,150 gal
   - 2006: 5,995,283,001 gal
   - 2007: 5,410,561,799 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 | 60 | 60
   - Commercial | 10 | 10
   - Industrial | 20 | 20
   - Institutional | 10 | 10
   - Agriculture | – | –
   - Other | – | –
   - **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:
     - Closed or relocated business
     - Downsized business
     - Other reasons, please specify
     - NA
   - Volume of water served has increased because of:
     - New business in area
     - Expanding business
     - Other reasons, please specify
     - NA

6. Please provide information regarding conservation efforts.
   - Do you have a conservation program?
     - Yes [✓] No [ ]
   - 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**
   - 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.
REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY

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 ACF    2006: 229.7 ACF
   2004: 207.4 ACF    2007: 207.0 ACF
   2005: 214.8 ACF    2008 (current): 119.6 ACF

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>70</td>
<td>71</td>
</tr>
<tr>
<td>Commercial</td>
<td>21</td>
<td>20</td>
</tr>
<tr>
<td>Industrial</td>
<td>7.5</td>
<td>8</td>
</tr>
<tr>
<td>Institutional</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Agriculture</td>
<td>1.5</td>
<td>1</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

4. How many connections do you serve?
   2006 number of connections: 904
   If available, 2006 population served: 4,500
   2007 number of connections: 881
   If available, 2007 population served: 4,500
   2008 number of connections: 889
   If available, 2008 population served: 4,500

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
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: 717.6 acre-feet
   - 2004: 764.5 acre-feet
   - 2005: 857.2 acre-feet
   - 2006: 972.5 acre-feet
   - 2007: 846.4 acre-feet
   - 2008: 975.6 acre-feet (thru 9-30)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?
   - 2003: NA
   - 2004: NA
   - 2005: NA
   - 2006: NA
   - 2007: NA
   - 2008 (current): NA

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>59</td>
<td>50</td>
</tr>
<tr>
<td>Commercial</td>
<td>38</td>
<td>47</td>
</tr>
<tr>
<td>Industrial</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

4. How many connections do you serve?
   - 2006 number of connections: 4760
   - 2007 number of connections: 5068
   - 2008 number of connections: 5120
   If available, 2006 population served: __________
   If available, 2007 population served: __________
   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
   - 2004: 1,385,899,000
   - 2005: 1,404,977,000
   - 2006: 1,373,150,000
   - 2007: 1,181,235,000
   - 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: __________
   - 2004: __________
   - 2005: __________
   - 2006: 1,007,741,100
   - 2007: 817,199,200
   - 2008 (current): 871,854,600

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>40%</td>
<td>36%</td>
</tr>
<tr>
<td>Commercial</td>
<td>60%</td>
<td>64%</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

---

4. How many connections do you serve?
   - 2006 number of connections: 5821
   - 2007 number of connections: 5420
   - 2008 number of connections: 6475
   - If available, 2006 population served: __________
   - If available, 2007 population served: __________
   - 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 [x]
     - B. Downsized business [x]
     - 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 [x] 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

4. How many connections do you serve?
   2006 number of connections: 867  If available, 2006 population served: 2080
   2007 number of connections: 893  If available, 2007 population served: 2080
   2008 number of connections: 893  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 X
   B. If yes, how many full-time employees are dedicated to the program? N/A
   C. What amount of annual funding is allocated to water conservation? $ N/A
   D. 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: 9,230 acre-feet 2006: 10,121 acre-feet
   2004: 9,769 acre-feet 2007: 8,840 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: 2,342,437,690
   2005: 2,652,289,460 2008 (current): 1,139,223,530 (June)

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>40%</td>
<td>38%</td>
</tr>
<tr>
<td>Commercial</td>
<td>24%</td>
<td>23.6%</td>
</tr>
<tr>
<td>Industrial</td>
<td>31.5%</td>
<td>34.5%</td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td>4%</td>
<td>3.3%</td>
</tr>
<tr>
<td>Other</td>
<td>0.5%</td>
<td>0.6%</td>
</tr>
</tbody>
</table>

   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 base:
   Volume of water served has decreased because of:
   A. Closed or relocated business  X
   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 X  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.

PLEASE RETURN BY September 4, 2008
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
   2004: 1676.7 acre-feet
   2005: 1384.1 acre-feet
   2006: 1376.6 acre-feet
   2007: 1905.4 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
   2004: 485,290,000
   2005: 556,904,000
   2006: 435,880,000
   2007: 420,329,000
   2008 (current): 458,665,000

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>80%</td>
<td>80%</td>
</tr>
<tr>
<td>Commercial</td>
<td>15%</td>
<td>15%</td>
</tr>
<tr>
<td>Industrial</td>
<td>5%</td>
<td>5%</td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

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.

PLEASE RETURN BY September 4, 2008
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: 332,049,900 gallons
   - 2004: 357,789,000 gallons
   - 2005: 380,943,600 gallons
   - 2006: 336,919,100 gallons
   - 2007: 250,138,000 gallons
   - 2008 (current): 240,571,400 gallons

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?
   - 2003: 107,575,960 gals
   - 2004: 572,377,360 gals
   - 2005: 233,875,600 gals
   - 2006: 183,300,000 gals
   - 2007: 104,672,000 gals
   - 2008 (current): 231,536,000 gals

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>24.03%</td>
<td>32.51%</td>
</tr>
<tr>
<td>Commercial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   TOTAL: 100% 100%

   (We do not use it in percentage)

4. How many connections do you serve?
   - 2006 number of connections: 3,100
   - If available, 2006 population served: 
   - 2007 number of connections: 3,043
   - If available, 2007 population served: 
   - 2008 number of connections: 1,803
   - 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
REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY

4SE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CITY OF TYLER

Fact Name: SHEILA HODNALL

Tel No: (903) 531-1258 Fax No: (903) 531-1259

Address: SHODNALL@TYLERTEXAS.COM

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

<table>
<thead>
<tr>
<th>Year</th>
<th>2003: 2,428.8 acre-feet</th>
<th>2004: 2,381.1 acre-feet</th>
<th>2005: 2,863.4 acre-feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>2,578.6 acre-feet</td>
<td>2,537.8 acre-feet</td>
<td>1,694.3 acre-feet (through Aug.)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>8,034,027</td>
<td>6,508,502</td>
<td>8,568,027</td>
</tr>
<tr>
<td>2007</td>
<td>6,508,502</td>
<td>7,048,502</td>
<td>8,568,027</td>
</tr>
<tr>
<td>2008 (current)</td>
<td></td>
<td></td>
<td>8,568,027</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>87%</td>
<td>87%</td>
</tr>
<tr>
<td>Commercial</td>
<td>9%</td>
<td>9%</td>
</tr>
<tr>
<td>Industrial</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>Institutional</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>Agriculture</td>
<td>2%</td>
<td>2%</td>
</tr>
</tbody>
</table>

TOTAL: 100% 100%

4. How many connections do you serve?
   2006 number of connections: 3058 If available, 2006 population served:
   2007 number of connections: 51590 If available, 2007 population served:
   2008 number of connections: 33565 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:  \( \Delta / A \)
   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 [X]

   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.
1. What was your water production (water volume pumped to the distribution system) over the last five years?
   2003: 2,428.8 acre-feet
   2004: 2,391.1 acre-feet
   2005: 2,363.4 acre-feet
   2006: 2,816.6 acre-feet
   2007: 2,322.3 acre-feet
   2008: 1,496.2 acre-feet (thru 03/31)

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
   2004: 1,730,944,000
   2005: 1,750,012,000
   2006: 1,858,025,000
   2007: 1,895,164,000
   2008 (current): 4,844,930,000

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>88.9%</td>
<td>87.1%</td>
</tr>
<tr>
<td>Commercial</td>
<td>9.5%</td>
<td>9.9%</td>
</tr>
<tr>
<td>Industrial</td>
<td>1.1%</td>
<td>1.1%</td>
</tr>
<tr>
<td>Institutional</td>
<td>1.1%</td>
<td>1.3%</td>
</tr>
<tr>
<td>Agriculture</td>
<td>multi-family 1.3%</td>
<td>1.7%</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   TOTAL: 100% 100%

4. How many connections do you serve?
   2006 number of connections: 30,663
   2007 number of connections: 31,674
   2008 number of connections: 32,304

5. Please provide information about significant changes in volume of water served due to changes in customer bases:
   Volume of water served has increased because of:
   A. New business in area [ ]
   B. Expanding business [ ]
   C. Other reasons, please specify

   Volume of water served has decreased because of:
   A. Closed or relocated business [ ]
   B. Downsized business [ ]
   C. Other reasons, please specify [ ]

6. Please provide information regarding conservation efforts.
   A. Do you have a conservation program?
      Yes [ ] No [x]

   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
REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY

Survey No. 385
PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: CITY OF WOODVILLE
Contact Name: George K. Jones CHARLES L. MACLIN
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
   2004: 419,419,000 acre-feet
   2005: 426,023,000 acre-feet (thru Aug) 2006: 415,825,000 acre-feet
   2007: 445,557,000 acre-feet
   2008: 304,430,000 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: 271,087,330
   2004: 270,757,550
   2005: 299,501,840
   2006: 201,599,150
   2007: 242,349,130
   2008 (current): 219,936,350

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>95%</td>
<td>95%</td>
</tr>
<tr>
<td>Commercial</td>
<td>3%</td>
<td>3%</td>
</tr>
<tr>
<td>Industrial</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>Institutional</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

4. How many connections do you serve?
   2006 number of connections: 13,464
   If available, 2006 population served: 
   2007 number of connections: 13,312
   If available, 2007 population served: 
   2008 number of connections: 14,027
   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.

PLEASE RETURN BY September 4, 2008
**Survey No. M88**

**PLEASE CORRECT ADDRESS AS NECESSARY**

Name of Supplier: CRAFT-TURNEY W.S.C.
Contact Name: Rhonda Briggs
Phone No.: 903-359-2381 Fax No.: 903-359-2389
E-mail Address: phondcactus@slipstreet.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: 67,681.03 acre-feet
   - 2004: 113,363.04 acre-feet
   - 2005: 110,010.00 acre-feet
   - 2006: 154,770.00 acre-feet
   - 2007: 162,548.00 acre-feet
   - 2008: 175,150.00 acre-feet (through 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: 1,400,123,505
   - 2004: 1,314,432,69
   - 2005: 1,374,777,700
   - 2006: 1,578,079,027
   - 2007: 1,541,450,000
   - 2008 (current): 1,508,7100

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>98%</td>
<td>98%</td>
</tr>
<tr>
<td>Commercial</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   TOTAL 100% 100%

4. How many connections do you serve? If available, 2006 number of connections: 11,017 2007 number of connections: 11,217 2008 number of connections: 11,530
   - If available, 2006 population served: 45,574
   - If available, 2007 population served: 48,581
   - If available, 2008 population served: 49,500

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. Down sized 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? 5
   C. What amount of annual funding is allocated to water conservation? $ na
   D. 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
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: 8,173,720 acre-feet
   - 2004: 8,91,140 acre-feet
   - 2005: 12,740,000 acre-feet
   - 2006: 16,128,100 acre-feet
   - 2007: 16,346,100 acre-feet
   - 2008: 16,725,690 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: 
   - 2004: 
   - 2005: 
   - 2006: 
   - 2007: 
   - 2008 (current):

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

4. How many connections do you serve?
   - 2006 number of connections: 12,25
   - 2007 number of connections: 16,2
   - 2008 number of connections: 10,82

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.
   - Do you have a conservation program?
     Yes ☒ No ☐
   - If yes, how many full-time employees are dedicated to the program? 
   - What amount of annual funding is allocated to water conservation? $ 
   - 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
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 Bedingfield
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  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?

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Commercial</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Industrial</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Institutional</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Agriculture</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Other</td>
<td>_______</td>
<td>_______</td>
</tr>
</tbody>
</table>

   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
Survey No. Q92

REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY

Name of Supplier: FOUR WAY WAY WATER SUPPLY CORP.
Contact Name: Tommy Carswell
Phone No.: 936-422-4188 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
   - 2004: 455.4 acre-feet
   - 2005: 539.7 acre-feet
   - 2006: 517.2 acre-feet
   - 2007: 461.5 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: 346.5
   - 2004: 375.5
   - 2005: 462.2
   - 2006: 423.5
   - 2007: 381.6
   - 2008 (current): 228.1 - July 08

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>97</td>
<td>97</td>
</tr>
<tr>
<td>Commercial</td>
<td>&lt;1</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Industrial</td>
<td>&lt;1</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Institutional</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Agriculture</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Other</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100 %</td>
<td>100 %</td>
</tr>
</tbody>
</table>

4. How many connections do you serve?
   - 2006 number of connections: 1660
   - If available, 2006 population served: __________
   - 2007 number of connections: 1946
   - 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? __________
     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
Survey No. 834

PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: HARDIN WEST WSC
Contact Name: Wanda Hinson Juanita
Phone No.: 936-274-5211 Fax No.: 936-274-5788
E-mail Address: 
Mailing Address: P.O. Box 284

1. What was your water production (water volume pumped to the distribution system) over the last five years?
   2003: 10,450,751 acre-feet  2006: 10,850,365 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: 10,450,751,760 gallons  2006: 74,500,752
   2004: 87,557,900 gallons  2007: 90,878,924 gallons

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>98</td>
<td>98</td>
</tr>
<tr>
<td>Commercial</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

4. How many connections do you serve?
   2006 number of connections: 1,285
   If available, 2006 population served: 
   2007 number of connections: 1,285
   If available, 2007 population served: 
   2008 number of connections: 1,285
   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. Downsize 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

4. How many connections do you serve?
   2006 number of connections: 7246
   If available, 2006 population served: 21,725
   2007 number of connections: 7556
   If available, 2007 population served: 24,148
   2008 number of connections: 7881
   If available, 2008 population served: 23,433

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

   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?
      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.
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?

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>98%</td>
<td>98%</td>
</tr>
<tr>
<td>Commercial</td>
<td>2%</td>
<td>2%</td>
</tr>
<tr>
<td>Industrial</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Institutional</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Agriculture</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Other</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

   TOTAL 100% 100%

4. How many connections do you serve?
   
   2006 number of connections: 1260 If available, 2006 population served: 31,869
   2007 number of connections: 1,070 If available, 2007 population served: 32,418
   2008 number of connections: 980 If available, 2008 population served: 32,249

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. Downsize 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
**EAST TEXAS**

Regional Water Planning Group

WATER PRODUCTION AND SALES SURVEY

**Mauriceville Municipal Utility District**

**Jeff H. Holland**

Tel No.: 409-745-4811  Fax No.: 409-745-4891

Address: jeffholland@mac.com

Box 1000 Mauriceville, TX 77656

---

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Production (Gallons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>177,643,000</td>
</tr>
<tr>
<td>2004</td>
<td>183,730,000</td>
</tr>
<tr>
<td>2005</td>
<td>177,735,000</td>
</tr>
<tr>
<td>2006</td>
<td>196,751,000</td>
</tr>
<tr>
<td>2007</td>
<td>195,170,600</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Sales (Gallons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>179,921,200</td>
</tr>
<tr>
<td>2004</td>
<td>171,980,000</td>
</tr>
<tr>
<td>2005</td>
<td>155,506,600</td>
</tr>
<tr>
<td>2006</td>
<td>198,870,600</td>
</tr>
<tr>
<td>2007</td>
<td>191,0,060</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>98%</td>
<td>98%</td>
</tr>
<tr>
<td>Commercial</td>
<td>2.7%</td>
<td>2.7%</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

---

4. How many connections do you serve?
   - 2005 number of connections: 580
   - 2006 population served: 414
   - 2007 number of connections: 577
   - 2008 number of connections: 568

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:
     - [ ] Closed or relocated business
     - [ ] Downsized business
     - [ ] Other reasons, please specify
   - Volume of water served has increased because of:
     - [ ] New business in area
     - [ ] Expanding business
     - [ ] Other reasons, please specify

6. Please provide information regarding conservation efforts.
   - [ ] Do you have a conservation program?
     - Yes □ No □
   - [ ] If yes, how many full-time employees are dedicated to the program? □
   - What amount of annual funding is allocated to water conservation? □
   - 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 II WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY

Name of Supplier: North Hardin Water Supply Corp.
Last Name: Rogers
Tel No. (409) 385-7355 Fax No. (409) 385-6294
Mail Address: Rogers & NHWSC, Conroe
Billing Address: P.O. Box 54, Silsbee, TX 77656

What was your water production (water volume pumped to the distribution system) over the last five years?
2003: 1,440,000,000 gallons 2006: 1,496,972,000 gallons
2004: 1,627,500,000 gallons 2007: 1,325,400,000 gallons
2005: 1,550,000,000 gallons 2008: 1,201,000,000 gallons (less than 5-11)

If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?
2005: 899,079 2008: 933,079 (current)

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>98%</td>
<td>98%</td>
</tr>
<tr>
<td>Commercial</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

4. How many connections do you serve?
2006 number of connections: 2,321 If available, 2006 population served: 6923
2007 number of connections: 2,321 If available, 2007 population served: 7022
2008 number of connections: 2,321 If available, 2008 population served: 7022

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. Decreased 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 [X] No
B. If yes, how many full-time employees are dedicated to the program?
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
Region WPC

Survey No. D105
PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: ORANGE CO, W.C.L.D. #1
Contact Name: Darlene Jackson
Phone No.: 409-769-2669 ext 222 Fax No.: 409-769-2927
E-mail Address: j141@seegov.com
Mailing Address: 466 E. Bolivar Dr., Vidor, TX 77661

1. What was your water production (water volume pumped to the distribution system) over the last five years?
   2003: ___acre-feet
   2004: ___acre-feet
   2005: ___acre-feet
   2006: ___acre-feet
   2007: ___acre-feet
   2008: ___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: ___acre-feet
   2004: ___acre-feet
   2005: ___acre-feet
   2006: ___acre-feet
   2007: ___acre-feet
   2008: ___acre-feet

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>87</td>
<td>87</td>
</tr>
<tr>
<td>Commercial</td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td>Industrial</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Institutional</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Agriculture</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Other</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

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 [x]
   B. Downsized business [x]
   C. Other reasons, please specify [x]
   No actual significant change in volume [x]
   Volume of water served has increased because of:
   A. New business in area [x]
   B. Expanding business [x]
   C. Other reasons, please specify [x]
   No actual significant change in volume [x]

6. Please provide information regarding conservation efforts.
   A. Do you have a conservation program?
      Yes [x] No [x]
   B. If yes, how many full-time employees are dedicated to the program?
   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.
3. What categories of customers do you serve and what percentage of total volume do they receive?

2006 Percentage

- Residential: 63%
- Commercial: 22%
- Institutional: 8%
- Industrial: 5%
- Agricultural: 2%
- Other: 0%

2005:
- Residential: 63%
- Commercial: 22%
- Institutional: 8%
- Industrial: 5%
- Agricultural: 2%
- Other: 0%

2004:
- Residential: 63%
- Commercial: 22%
- Institutional: 8%
- Industrial: 5%
- Agricultural: 2%
- Other: 0%

2003:
- Residential: 63%
- Commercial: 22%
- Institutional: 8%
- Industrial: 5%
- Agricultural: 2%
- Other: 0%

2002:
- Residential: 63%
- Commercial: 22%
- Institutional: 8%
- Industrial: 5%
- Agricultural: 2%
- Other: 0%

2001:
- Residential: 63%
- Commercial: 22%
- Institutional: 8%
- Industrial: 5%
- Agricultural: 2%
- Other: 0%

2000:
- Residential: 63%
- Commercial: 22%
- Institutional: 8%
- Industrial: 5%
- Agricultural: 2%
- Other: 0%

2007 Percentage

- Residential: 63%
- Commercial: 22%
- Institutional: 8%
- Industrial: 5%
- Agricultural: 2%
- Other: 0%

2008 (current):
- Residential: 63%
- Commercial: 22%
- Institutional: 8%
- Industrial: 5%
- Agricultural: 2%
- Other: 0%

4. How many connections do you serve?

- 4,122 (available)
- 2006 population served: 16,602
- 2007 population served: 18,806
- 2008 number of connections: 4,128 (available)
- 2007 population served: 18,806
- 2008 number of connections: 4,128 (available)

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

- A. New business in area
- B. Existing 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 water conservation? [ ]
- C. If yes, how many full-time employees are dedicated to water conservation? [ ]
- D. What amount of annual funding is allocated to water conservation? [ ]
- E. Other items, please write on the back of this survey.

7. Please provide information about significant changes in volumes of water served due to other items.
Attn: Grant Sawyer

REGION 1 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
Phone No.: (903) 683-6178  Fax No.: (903) 683-6196
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
   - 2004: 329 acre-feet
   - 2005: 310 acre-feet
   - 2006: 302 acre-feet
   - 2007: 350 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: 69,074,225
   - 2004: 59,087,260
   - 2005: 65,884,390
   - 2006: 68,257,150
   - 2007: 63,570,400
   - 2008 (current): 57,613,900

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Commercial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

4. How many connections do you serve?
   - 2006 number of connections: 1048
   - 2007 number of connections: 1050
   - 2008 number of connections: 1061

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. Down-sized 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?
      _________
   C. 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. 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: tcowatersupply@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?
   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: 341 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?

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>98.4%</td>
<td>98.6%</td>
</tr>
<tr>
<td>Commercial</td>
<td>1.6%</td>
<td>1.4%</td>
</tr>
<tr>
<td>Industrial</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Institutional</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Agriculture</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Other</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
</tbody>
</table>

   TOTAL 100% 100%

4. How many connections do you serve?
   2006 number of connections: 1994 If available, 2006 population served: 5,382
   2007 number of connections: 1750 If available, 2007 population served: 5,250
   2008 number of connections: 1443 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
   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.

PLEASE RETURN BY September 4, 2008
1. What was your water production (water volume pumped to the distribution system) over the last five years?
   2003: ________ acre-feet  
   2004: ________ acre-feet  
   2005: ________ acre-feet  
   2006: ________ acre-feet  
   2007: ________ acre-feet  
   2008: ________ acre-feet (thru 7/31/08)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?  
   2003: ________  
   2004: ________  
   2005: ________  
   2006: ________  
   2007: ________  
   2008 (current): ________

3. What categories of customers do you serve and what percentage of total volume do they receive?
   
<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>99.5</td>
<td>99.5</td>
</tr>
<tr>
<td>Commercial</td>
<td>.5</td>
<td>.5</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

4. How many connections do you serve?  
   Estimate  
   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:  
   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 [X]  
   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 1 WATER PLANNING GROUP
WATER PRODUCTION AND SALES SURVEY

Survey No. L113
PLEASE CORRECT ADDRESS AS NECESSARY

Name of Supplier: WALSTON SPRINGS WSC
Contact Name: Jane Triplett
Phone No.: 903-723-4226 Fax No.: 903-723-4652
E-mail Address: walps@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   10/31/08
   2005:  49 acre-feet  2008: 36 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:  95,654  2006: 109,590

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>98</td>
<td>98</td>
</tr>
<tr>
<td>Commercial</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   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

   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 X  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.
REGION I WATER PLANNING GROUP
WATER PRODUCTION AND SALES 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?
   2005: 2,314 acre-feet mil. 2008: 1,892 acre-feet (thru 5/07)

2. If you are a water supplier, what were the water sales (water volume sold to customers) over the last five years?
   2004: 211,281,000 gal. 2007: 204,318,000 gal.
   2005: 293,605,000 gal. 2008 (current): 147,279,400 gal.

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

<table>
<thead>
<tr>
<th>Category</th>
<th>2006 Percentage</th>
<th>2007 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>93</td>
<td>93</td>
</tr>
<tr>
<td>Commercial</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>Industrial</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Institutional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

TOTAL 100% 100%

4. How many connections do you serve?
   2006 number of connections: 2,455 If available, 2006 population served: 
   2007 number of connections: 2,790 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 [X]
      What amount of annual funding is allocated to water conservation? $260,000
   B. If yes, how many full-time employees are dedicated to the program? 
   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