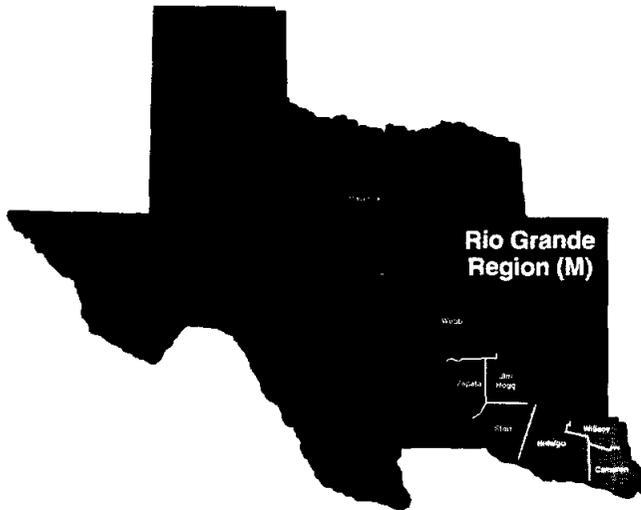


# 2002-483-431- M FINAL REPORT



## Infrastructure Financing Report

### **Region M Regional Water Planning Group**

May 31, 2002

Prepared by:  
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# **Infrastructure Financing Report Region M Regional Water Planning Group**

## **Background**

The Infrastructure Financing Report (IFR) requirement was incorporated into the regional water planning process in response to Senate Bill 2 (77<sup>th</sup> Texas Legislature). For purposes of the IFR, each regional water planning group (RWPG) is required to determine proposed financing for all of the water management strategies that were proposed in the first round of planning. For each of these strategies, the RWPG must determine the funding needed to implement the strategy, and what types of funding are likely to be accessed.

According to TWDB guidelines, the primary objectives of the IFR are:

- To determine the number of political subdivisions with identified needs for additional water supplies that will be unable to pay for their water infrastructure needs without some form of outside financial assistance;
- To determine how much of the infrastructure costs in the regional water plans cannot be paid for solely using local utility revenue sources;
- To determine the financing options proposed by political subdivisions to meet future water infrastructure needs (including the identification of any State funding sources considered); and,
- To determine what role(s) the RWPGs propose for the State in financing the recommended water supply projects.

NRS Consulting Engineers was authorized to prepare the Infrastructure Financing Report (IFR) and Policy Statement for the Region M Regional Water Planning Group (RWPG). The list, as provided as a template by the Texas Water Development Board, was used to develop the list of water user groups in need. Names and address lists were developed for each group. A sample letter is included as Appendix A. As per the discussion with the RWPG, it was decided to expand the survey and add additional questions to aid in the current planning process. The supplemental survey is included as Appendix B.

There was also a discussion at the RWPG meeting to include all water supply corporations in the survey that would have fallen under the County-Other category. To help give a better understanding of the irrigation groups, surveys were sent to them also. Data has been summarized to incorporate the general consensus of these groups.

The consultant team attempted to visit each WUG to discuss the surveys and their approach to the financing their water management strategies. Of the 32 municipal user groups, 22 groups were personally visited. County-Other categories, 3 of 6 counties were visited. In the irrigation category, a presentation and verbal discussion was held at the Irrigation District Managers meeting to get input and attempt to receive a consensus amongst the irrigation districts.

## **Findings**

Information found in the template formulated by the TWDB, was used to merge data into the required survey forms. Upon the development of these forms, all but four user groups had zero dollars listed for their future capital expenditures. This was confusing to the recipients of the survey. In addition, the WUG's did not know, for the most part what was in the plan and why these strategies were picked for them.

Because we were able to visit with the majority of WUG's, we were able to explain information in the plan and how it related to them. Because there were no dollar figures listed in the survey, most either indicated a percentage they felt they could afford. This was based upon their current funding levels through grant and loan programs.

Table 12, in Appendix 1, of the adopted water plan, was used as a basis for the template used by the TWDB. In this table, the water management strategies were listed and the water demand projected. There was no capital costs listed in this table, with the exception of the WUGs: Brownsville, Combes, Laredo and Irrigation (Cameron County).

The total capital cost projected for the adopted plan was approximately \$ 912 million. Extending the projections to the capital costs listed in Appendix 3, Decision Documents of the adopted water plan, the actual total capital costs are in excess of \$4.326 billion. We have attempted to bring these numbers closer to reflect what the plan should have said and reflect the feelings of the WUG. A sample calculation how extended costs are derived can be found in Appendix E.

## **Water User Group Summaries**

### ***Municipal Water User Groups***

The majority of municipal WUG's had strategies that include urbanization, advanced water conservation measures and purchase of Rio Grande supplies. There are total of 32 municipal WUGs in need listed in the report. Surveys were sent to only those that had been listed in the plan with a need during the fifty-year plan. Of these 32 municipal WUGs, 22 personal visitations were made by one or more of the consultant team during the months February through March of 2002. As part of the visitation, the survey was explained as to its purpose and that there were some discrepancies between the plan capital cost and the actual projected for each entity.

The RWPG also sent out a supplemental survey to obtain additional information about their current thought about water planning and their involvement with the RWPG. The survey also discussed what their focus was with regard to providing water for their future. Many of the WUGs listed strategies not listed in the plan for their entity. For the most part, the interviewees indicated a lack of communication between the WUG and the RWPG. They understood that it should be their responsibility to attend public hearings and find out what is going on. Those that had attended the monthly RWPG meetings did not have the time to go to the meetings for four hours. It was suggested that a brief monthly newsletter be sent to the municipalities to inform them of what actions and updates occurred at the RWPG meeting.

## **Summary of Municipal Water Management Strategies**

1. **Advanced Water Conservation Measures** – Of the 32 municipal WUGs, 31 were listed as using this strategy for water supply needs. Most of the cities had a water conservation plan in place. The larger entities usually had a budget for information and education. McAllen has a full time staff member to implement water conservation measures. None of those surveyed indicated a program of replacement of fixtures. None surveyed indicated a need to provide as extensive of program as recommended in the adopted plan. Most indicated they were not in favor, as it would not be effective, to force people to change out fixtures. The costs listed would be excessive and they could not afford it. Many indicated that the implementation of an excessive rate structure would be more effective to urge consumers to conserve water.

Because no dollar amounts were listed, many indicated percentages of would be considered a reasonable amount. All indicated that the extended portion strategy would have to be funded by some other source than local funds.

An extended total of \$341,877,900.00 is listed for this strategy. It is estimated that of this amount, \$87,172,645 (25%) could be funded locally with the remaining \$254,705,255.00 to be funded by other sources that would include: Texas Water Development Board, BECC/NADBank, TDCP and others.

2. **Urbanization** – Of the 32 municipal WUGs, 27 were listed as using this strategy for water supply needs. Discussions with the WUG have resulted in some confusion as to what urbanization is and how the costs were generated by the RWPG. Some of the entities require development to provide water required from the development of agricultural land into residential/commercial development. The process varies considerably from entity to entity. Most areas receive some sort of funds or water rights through development in the form of impact fees, direct transfer of water rights, tap-in fees or other method of accounting for the growth within the city. Other entities receive no compensation for development and water rights are retained within the irrigation district without compensation to the city. Most of these indicated that they are pursuing changes in this procedure.

Most of the WUGs in the survey did not realize that treatment costs were included in this strategy as it was only for the cost of the water supply to the facilities.

An extended total of \$777,610,364.00 is listed for this strategy. It is estimated that of this amount, \$384,362,481.00 (49%) could be funded locally with the remaining \$393,247,884.00 to be funded by other sources that would include: Texas Water Development Board, BECC/NADBank, TDCP and others.

3. **Purchase Additional Rio Grande Supply** - Of the 32 municipal WUGs, 30 were listed as using this strategy for water supply needs. The cost of water rights in this area has increased significantly over the last few years. Current costs exceed \$1,500 per acre-foot

for municipal rights compared to approximately \$700 per acre-foot only five years ago. Most entities have planned purchases as they need water rights. Mostly smaller entities have listed a need for assistance in the purchase of water rights to meet their needs.

An extended total of \$961,202,354.00 is listed for this strategy. It is estimated that of this amount, \$726,582,689.00 (76%) could be funded locally with the remaining \$234,619,665.00 to be funded by other sources that would include: Texas Water Development Board, BECC/NADBank, TDCP and others.

4. Non-Potable Reuse – Of the 32 municipal WUGs, 6 were listed as using this strategy for water supply needs. Those entities that have listed this strategy generally agreed that the costs associated with this strategy were projected to be too high. Most of these entities utilize effluent as currently treated for irrigation of golf courses or provide this water for industrial or power plant use. Many of those of which this strategy is not listed are planning on using effluent as strategy in the future.

An extended total of \$906,269,466.00 is listed for this strategy. It is estimated that of this amount, \$528,742,329.60 (58%) could be funded locally with the remaining \$377,527,136.40 to be funded by other sources that would include: Texas Water Development Board, Bureau of Reclamation, Legislative appropriations, BECC/NADBank, TDCP and others.

5. Brownsville Weir and Reservoir – Of the 32 municipal WUGs, 1 was listed as using this strategy for water supply needs. Brownsville is the only WUG that lists this strategy as a long term approach to their water supply needs. It is currently in process of funding and environmental and international approvals.

An extended total of \$81,210,000.00 is listed for this strategy. It is estimated that of this amount, \$4,060,500.00 (5%) could be funded locally with the remaining \$77,149,500.00 to be funded by other sources that would include: Legislative appropriations, U.S. Army Corps of Engineers, Texas Water Development Board and BECC/NADBank.

6. Develop Local Groundwater – Of the 32 municipal WUGs, 1 was listed as using this strategy for water supply needs. Laredo is the only WUG who listed this strategy as a long term approach to their long water supply needs. Interviews and supplemental surveys of most other WUGs list this as one of their water management strategies for the future.

An extended total of \$31,658,125.00 is listed for this strategy. It is estimated that of this amount, \$7,914,531.25 (25%) could be funded locally with the remaining \$23,743,593.75 to be funded by other sources that would include: Texas Water Development Board, BECC/NADBank, TDCP and others.

Table 1 – Summary of DMI Strategies

<u>Strategy</u>	<u>Extended</u>	<u>Afford to Pay</u>	<u>%</u>	<u>Cannot Pay</u>
Conservation	\$ 341,877,900	\$ 87,172,645	25%	\$ 254,705,255
Urbanization	\$ 777,610,364	\$ 384,362,481	49%	\$ 393,247,884
Non Potable Reuse	\$ 906,269,466	\$ 528,742,330	58%	\$ 377,527,136
Purchase Supplies	\$ 961,202,354	\$ 726,582,689	76%	\$ 234,619,665
Brownsville Weir	\$ 81,210,000	\$ 4,060,500	5%	\$ 77,149,500
Groundwater	<u>\$ 31,658,125</u>	<u>\$ 7,914,531</u>	<u>25%</u>	<u>\$ 23,743,594</u>
Totals	\$ 3,099,828,209	\$ 1,738,835,175	56%	\$ 1,360,993,034

### ***County Other User Groups***

The County-Other groups consist of entities other than Cities within the county. These groups consist of water supply corporations serving the rural areas with water services. The official survey was sent to the County Judge in each of these counties. While the County Judge has a general knowledge of the water supply for the County-Other category, he does not know the details of the water management strategies for the water supply corporations, which make this category. In an effort to achieve more reliable results, the survey was also sent to each of the water supply corporations.

### **Summary of County-Other Water Management Strategies**

1. Advanced Water Conservation Measures – Of the 7 County-Other WUGs, 7 were listed as using this strategy for water supply needs. Because no dollar amounts were listed, many indicated percentages of would be considered a reasonable amount. All indicated that the extended portion strategy would have to be funded by some other source than local funds.

An extended total of \$141,582,650 is listed for this strategy. It is estimated that of this amount, \$12,781,449 (9%) could be funded locally with the remaining \$128,801,202 to be funded by other sources that would include: Texas Water Development Board, BECC/NADBank, TDCP and others.

2. Urbanization – Of the 7 County-Other WUGs, 4 were listed as using this strategy for water supply needs.

An extended total of \$388,082,750 is listed for this strategy. It is estimated that of this amount, \$112,035,939 (33%) could be funded locally with the remaining \$226,046,811 to be funded by other sources that would include: Texas Water Development Board, BECC/NADBank, TDCP and others.

3. Purchase Additional Rio Grande Supply - Of the 7 County-Other WUGs, 7 were listed as using this strategy for water supply needs.

An extended total of \$349,987,200 is listed for this strategy. It is estimated that of this amount, \$232,117,675 (66%) could be funded locally with the remaining \$117,869,525 to be funded by other sources that would include: Texas Water Development Board, BECC/NADBank, TDCP and others.

Table 2 – Summary of County-Other Strategies

<u>Strategy</u>	<u>Extended</u>	<u>Afford to Pay</u>	<u>%</u>	<u>Cannot Pay</u>
Conservation	\$ 141,582,650	\$ 12,781,449	9%	\$ 128,801,202
Urbanization	\$ 338,082,750	\$112,035,939	33%	\$ 226,046,811
Purchase Supplies	<u>\$ 349,987,200</u>	<u>\$232,117,675</u>	<u>66%</u>	<u>\$ 117,869,525</u>
Totals	\$ 829,652,600	\$356,935,063	43%	\$ 472,717,538

### ***Irrigation Water User Groups***

The adopted plan lists irrigation groups by county without specific irrigation districts listed with needs. For each county irrigation group, two strategies are listed. These are on-farm improvements and conveyance system improvements.

### **Summary of Water Management Strategies**

1. On-Farm Improvements – This strategy consists of improvements to flow measurements, installation of polypipe delivery systems, improved management and technology, installation of SCADA system and implementation of a verification program to monitor effectiveness of the program. A wide range of comments were received at the Irrigation District Mangers Association meeting. It was made clear that it was not their responsibility to fund on-farm improvements. A range of affordability included the inability for the farmer to pay for any improvements to 50% of on-farm improvements. At the meeting, a reluctant consensus, representing several irrigation districts in Cameron and Hidalgo Counties, felt like 40% of on farm improvements could be paid for locally

with the remaining 60% from outside sources including the Texas Water Development Board, Bureau of Reclamation and legislative appropriations. It was encouraged at the meeting that each irrigation district returns their survey to confirm this information. The surveys returned indicate similar findings; Based on discussions with the irrigation districts and the RWPG it was suggested that the affordability of irrigation improvements be changed to 10%, as many districts could not afford any improvement cost. This was recommended and approved at the RWPG. These are included in Appendix D.

An extended total of \$98,404,000 is listed for this strategy. It is estimated that of this amount, \$31,574,950 could be funded locally with the remaining \$66,829,050 to be funded by other sources.

2. Irrigation Conveyance System Improvements - The Texas Agricultural Experiment Station (TAES) evaluated and developed water savings and cost estimates for a comprehensive program to rehabilitate and improve the management of irrigation conveyance and distribution facilities. The program would consist of six principal components: 1) Installation of no-leak gates; 2) Installation of additional water measurement weirs; 3) Conversion of smaller concrete canals that are in poor condition to pipeline; 4) Relining of concrete-lined canals that are in poor condition; 5) Lining of smaller earthen canals constructed of more porous soils; and, 6) Implementation of verification program to monitor and measure the effectiveness of the efficiency improvements.

Like on farm improvements, comments varied greatly amongst the District Managers. A general consensus was given for the ability to afford 40% financing. Discussions however indicate that even that would be far too costly for the irrigator to afford. When presented to the Region M RWPG, it was approved to use 10% affordability.

An extended total of \$204,093,000 is listed for this strategy. It is estimated that of this amount, \$20,409,300 could be funded locally with the remaining \$161,949,150 to be funded by other sources.

Table 3 – Summary of Irrigation Strategies

<u>Strategy</u>	<u>Extended</u>	<u>Afford to Pay</u>	<u>%</u>	<u>Cannot Pay</u>
On-farm	\$ 98,404,000	\$ 9,840,400	10%	\$ 66,829,050
Conveyance	\$ 105,689,000	\$ 10,568,900	10%	\$ 95,120,100
Totals	\$ 204,093,000	\$ 20,409,300	10%	\$ 161,949,150

## ***Manufacturing***

The Rio Grande Region, for the most part, has adequate supplies to meet manufacturing water demands. Throughout the planning period currently available water supply for manufacturing exceeds projected water demand. However, certain local areas do have small manufacturing

water supply deficits. Small manufacturing water shortages are projected for Webb County. It is recommended that these demands be supplied by the City of Laredo. There were no surveys sent in this category. It was assumed that manufacturing would pay what was necessary to finance their water needs.

### ***Steam Electric Power***

The Rio Grande Region is projected to have steam electric water supplies in excess of demand through the year 2020. After that point, demand will be slightly greater than supply, and relatively large steam electric water supply deficits will occur due to the location of available supply. Although the Rio Grande Region currently has no identified steam electric water demand needs, water shortages are projected to occur beginning in 2030 in Cameron County and in 2010 in Webb County. Hidalgo County will have a significant surplus of steam-electric water supply throughout the planning period due to reuse of municipal wastewater. Combined, the county-level steam electric power generation WUGs in Cameron and Webb counties are projected to have shortages of 12,805 acre-feet per year by 2030 and thereafter through 2050. Water management strategies considered potentially applicable to this need include acquisition of additional Rio Grande supplies, use of reclaimed water, and groundwater. It is recommended that all of the projected steam electric demands be met through a combination of the three listed strategies. No surveys were sent to these entities. These strategies were considered to be financed through the steam electric power companies through the cities.

## **Policy Issues - Region M Regional Water Planning Group**

The RWPG has established a Policy Statement to the Texas Water Development Board to establish its goal in the implementation of water management strategies.

*The Region M Regional Water Planning Groups recognizes the importance of water issues in the region and throughout the State of Texas. It further recognizes the financing challenges of the State of Texas to fund major capital improvements to assure citizens of the Region and the State an adequate water supply for the next 50 years. It is therefore requested that the Texas Water Development Board support the Region's united effort to pass legislation necessary, both State and Federal, to adequately fund projects to assure the future supplies of this region.*

As a guideline, the RWPG utilized the questions asked in the draft Policy Statement used by the Texas Water Development Board to develop the Policy Issues recommended by the Region M planning group.

1. What is the proper role and goal of State assistance? The state should provide funding through a combination of grants and low interest loans for entities that show the best available use of funds for the water supply. Priority should be given, not only to those entities that have systems in disrepair due to lack of maintenance and neglect but equal, if not more importance to those who are planning ahead for their systems. Emphasis should be on re, cost effective systems that take advantage in economies of scale in capital costs and operational costs. The state should take a proactive role in assisting entities in forming regional groups of two or more entities that would provide services to an area.
2. What is the proper balance between local and state assistance? Consideration should be given to an entity's ability to repay the loan given. If the loan portion of the grant/loan package is too large, the economically distressed areas will not be able to fulfill their obligations. Higher grant/loan and low interest ratios should be given to entities that show the greatest return for water saved or generated.

The Texas Water Development Board should take an active role with regard to the creation of a regional entity, to finance and or facilitate the financing of local water supply improvements. It is suggested that financing of projects be augmented by block grants from federal and state agencies through the Region M planning process.

3. How should state assistance be targeted? The state should target projects that provide the greatest return on investment.
4. From what source should it be generated? Sources of funds could be generated by state impact fees on water sales, both municipal and private, bottled water sales, and water tap fees.
5. What is the adequate level of state assistance for the range of Texas communities:

- a. Large – Larger entities usually have the lowest rates due to economies of scale within their systems. These entities have been left out of grant monies because they operate more efficiently than smaller facilities and therefore penalized for this efficiency. Greater consideration of state assistance should be given to those larger entities that are willing to serve the smaller entities on a regional basis.
  - b. Rural – Rural providers should be given the same considerations if projects show a great return on investment.
  - c. Small – Funding should be given only if entity has exhausted adequately the inability to be served by a larger or regional entity.
  - d. Economically disadvantaged - Funding should be given only if entity has exhausted adequately the inability to be served by a larger or regional entity.
6. What criteria should be used to prioritize projects receiving state assistance? The State should recognize that municipal and agricultural user groups have different priorities. Priority should be given to projects that show the greatest return on the investment. Regional projects should be given priority that can serve small and economically disadvantaged more cost effectively through economies of scale. Projects that continue to be a health concern should be a priority to the extent that the entity has not had a history of health concerns due to neglect of the system. In this case, where possible, larger or regional entities should be strongly encourage to serve these areas. Lastly, those projects that have minimal effect on environmental resources should be a priority.
  7. What substantive issues prevent effective regionalization of utilities? The RWPG recognizes the history of formation of irrigation districts and water supply corporations. This should be taken into consideration when establishing a regional approach to these entities. Issues that prevent or deter regionalization include: 1) fear of lack of control of their own destiny; 2) egos; 3) lack of leadership and desire for organizing the regional concept among entities; 4) lack of seed money to begin project feasibility that would show cost savings to the entities.
  8. How can flexibility and incentives be provided for regionalization? State should provide an investment into the regional concept and provide 100% upfront feasibility costs with the potential to return this money to the state once the project gets funded. Reduce the restrictions on this “free” money so that entities want to look into something where they would not or could not in the past.
  9. What is the appropriate role of public-private partnerships and what flexibility and incentives should be provided so these are facilitated? Private entities may have an opportunity to provide capital as long as there is a return on investment. If the partnership can show a healthy cost-benefit to the project, economic incentives could be issued to create opportunities for entities to generate future water supplies.

## APPENDIX A



# Lower Rio Grande Valley Development Council

Mayor Norberto "Beto" Salinas, Mission.....President  
 Hon. Norma G. Garcia, Member-At-Large.....1st Vice-President  
 Mayor Connie de la Garza, Harlingen.....2nd Vice-President  
 Mayor Pro-Tem Diana R. Serna, Mercedes.....Secretary  
 Commissioner Israel Tamez, Willacy County.....Treasurer  
 Mayor Edmund K. Cyganiewicz, South Padre Island.....Immediate Past President

## BOARD MEMBERS

February 21, 2002

Gilberto Hinojosa  
Judge, Cameron County

Sylvia Handy  
Commissioner, Hidalgo County

Ernesto De Leon  
Mayor Pro-Tem, Brownsville

Silvestre Garcia  
Mayor, Combes

Lonnie Flores  
Mayor, Donna

Roy Peña  
Mayor Pro-Tem, Edinburg

John David Franz  
Mayor, Hidalgo

Carlos I. Garza  
Commissioner, McAllen

Ricardo Medina  
Mayor, Pharr

Arnold Padilla  
Commissioner, San Benito

Ricardo Rodriguez  
Mayor Pro-Tem, San Juan

Joe Sanchez  
Mayor, Weslaco

Arturo Guajardo  
Pharr-San Juan-Alamo I.S.D.

Dr. J. Gilbert Leal  
President, TSTC, Harlingen

Gale Armstrong  
El Jardin Water Supply

Michael G. Wilson  
Willacy Navigation District

Adrian A. Arriaga  
Member-At-Large

Mayor Patrick Marchan  
Member-At-Large

Arturo Ramirez  
Grassroot Organizations

**EXECUTIVE DIRECTOR**  
Kenneth N. Jones, Jr.

FIELD(name)  
FIELD(Title)  
FIELD(wug)  
FIELD(address1)  
FIELD(address2)

RE: Water Infrastructure Financing Survey

Dear FIELD(sal):

Attached please find a survey to determine various issues to assist us in the planning and implementation of water management strategies for the region. The first part of the survey reviews the water management strategies outlined by the adopted regional plan for the FIELD(wug) and asks to answer several questions with regard to financing these strategies. This is a requirement of Senate Bill 2. The second part of the survey is to determine your overall satisfaction in the planning process, your ideas for water strategies and to open the lines of communications between the Regional Planning Group and the FIELD(wug).

As part of the survey, we must receive your response no later than FIELD(return). A representative from the Region M Water Planning Group would like to arrange a meeting with you and/or your representative at your convenience to discuss these issues that are becoming more critical to our region than ever before. Magda Ruiz, with NRS Consulting Engineers, our Region M consultant team, will be contacting you with in the next two weeks to arrange this meeting.

I thank you in advance for your continued cooperation in the water planning process for our region. If you have any questions, please do not hesitate to call me at (956) 682-3481 or Bill Norris, NRS, at (956) 423-7409.

Sincerely,

**Kenneth N. Jones, Jr.**  
 Executive Director

MAIN OFFICE ♦ 311 N. 15th ST. ♦ McALLEN, TX 78501-4705 ♦ TEL: (956) 682-3481 ♦ FAX: (956) 631-4670  
 TTY FOR HEARING IMPAIRED: 1-800-735-2989

RIO TRANSIT CENTER ♦ 510 S. PLEASANTVIEW DR. ♦ WESLACO, TX 78596 ♦ TEL: (956) 969-5761 ♦ FAX: (956) 969-8176  
 REGIONAL POLICE ACADEMY ♦ 1902 N. LOOP 499 BUILDING K ♦ HARLINGEN, TX 78550-3697 ♦ TEL: (956) 364-4507 ♦ FAX: (956) 364-5186

Website: [www.lrgvdc.org](http://www.lrgvdc.org)  
 PRINTED ON RECYCLED PAPER

## APPENDIX B

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? \_\_\_\_\_  
\_\_\_\_\_
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? \_\_\_\_\_
4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. Have you considered regionalization of your water supply? \_\_\_\_\_
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? \_\_\_\_\_
7. If no, why not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## APPENDIX C







## APPENDIX D

NAME	AMOUNT	DATE
Please do not alter populated fields.		
ALAMO	URBANIZATION	\$0.00
ALAMO	ADVANCED WATER CONSERVATION MEASURES	\$0.00
ALAMO	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

Region Name: Region M - Rio Grande Regional Planning Group

Name of Political Subdivision: City of Alamo

Contact Person: Luciano Ozuna Title: City Manager

Telephone: 956-787-0006 E-mail: ~~www.alamo-texas.org~~

**Background:** On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 16 adopted regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75<sup>th</sup> Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77<sup>th</sup> Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

Please return the completed survey by March 22, 2002 to:

Magda Ruiz  
P.O. Box 2544  
Harlingen, Texas 78550  
(956) 423-7482 fax  
E-mail address: [mruiz@nrsengineers.com](mailto:mruiz@nrsengineers.com)

If you have any questions regarding this survey, please contact:

Bill Norris  
Telephone Number : (956) 423-7409  
E-mail address: [bnorris@nrsengineers.com](mailto:bnorris@nrsengineers.com)

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? NO
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. N/A

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3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Currently use groundwater as an additional source during peak demands.
4. If so, what have you looked at and what is the status of implementation of these alternatives? CURRENTLY USING GROUNDWATER

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5. Have you considered regionalization of your water supply? NO
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
7. If no, why not? \_\_\_\_\_

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8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? ADEQUATE RESOURCES, AVAILABILITY, COST

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9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? SOME ARE ABOVE

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10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. A REGIONAL PLAN WOULD BE A GOOD PLAN FOR THOSE ENTITIES WHICH DO NOT MEET THE PUMPING AND FILTERING REQUIREMENTS. WATER ALLOCATIONS AS WELL AS AVAILABILITY AT A REASONABLE COST WOULD BE AN AREA OF CONCERN.



**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Alamo

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Alamo

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Brownsville (PUB)

**Water Management Strategy Name:** Urbanization

**Capital Cost:** \$ ~~\* 150,490,564.00~~ ? \* Cost to developer upon subdivision approval @ 1.5 acre ft per acre of development

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

(Cont) it is not anticipated that additional costs are incurred as a result of Urbanization

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Brownsville (PUB)

**Water Management Strategy Name:** Non-Potable Reuse

**Capital Cost: \$** 139,825.566.00

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 60%.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 60%.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 40%.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

Bureau of Reclamation; TWDB; Congressional Appropriations

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Brownsville (PUB)

**Water Management Strategy Name:** Purchase Additional Rio Grande supply

**Capital Cost: \$** 305,060,554.00

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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Kathleen Garrett  
3/25/02

RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes, limited knowledge
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Don't know
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Yes
4. If so, what have you looked at and what is the status of implementation of these alternatives? reuse, ASR, groundwater (fresh & brackish)  
Weir, Sea water desal;  
Reuse - pending Bureau of Rec feasibility & funding  
Groundwater - implemented through SRWA expected completion  
by summer of 2003; Weir under Corps review
5. Have you considered regionalization of your water supply? Yes
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
7. If no, why not? /
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? alternative source;  
weed problem/control; Treaty
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? alternative source  
weed control; Treaty (importance of push water)
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share.

WUG_NAME	WMS_NAME	CAP_COST	Strategy Implementation Date
BROWNSVILLE	ACQUIRE RIO GRANDE SUPPLY THROUGH URBANIZATION	\$150,490,564.0 0	
BROWNSVILLE	NON-POTABLE REUSE	\$139,825,566.0 0	
BROWNSVILLE	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$305,060,554.0 0	
BROWNSVILLE	ACQUIRE RIO GRANDE SUPPLY THROUGH URBANIZATION	\$0.00	
BROWNSVILLE	BROWNSVILLE WEIR & RESERVOIR	\$81,210,000.00	
BROWNSVILLE	NON-POTABLE REUSE	\$0.00	
BROWNSVILLE	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Town of Combes

**Water Management Strategy Name:** Urbanization

**Capital Cost:** \$ 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Town of Combes

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 1,414.00

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Town of Combes

**Water Management Strategy Name:** Purchase additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 100%.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

TWDB ; USDA ; BECC/NAD Bank ; TDHC

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? No
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. NO, NO CONTACT
  

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3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? brackish groundwater
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? planning
  

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5. Have you considered regionalization of your water supply? Yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? No
  
7. If no, why not? Don't have to worry about it with the long term
  

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8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Conservation
  

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9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Conservation
  

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10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Improve Communication
  

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Donna

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ anything.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) Developers generally pay for water infrastructure extensions or the City contributes if costs can be recovered quickly from taxes and rates. Developed agricultural land is converted to municipal use.

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Donna

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ anything.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) The City currently has a water conservation program. A continual effort is needed to educate the public regarding water conservation. However, the greatest impact would result from water saving and conservation techniques applied to agricultural use.

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Donna

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ anything.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) If there are water rights available for purchase, the state should handle the transactions and possibly regulate price balanced by need.

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Eagle Pass

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 175,601 / year

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 20,000.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 20,000.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For **each** of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Eagle Pass

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost:** \$ ~~0~~ 5,000,000 Current (less than 10 years)

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 25%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 25%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 75%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

TWDB BECC / NAD Bank  
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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? yes

2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. We were able to administratively

modify figures to reflect actual growth rates, population figures and usage statistics that have a direct effect on funding

3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? yes (reuse)

4. if so, what have you looked at and what is the status of implementation of these alternatives? Because of our geographical location

our closest ground water source is Kinney County and it has been mentioned in our Regional plan.

5. Have you considered regionalization of your water supply? yes

6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? yes

7. If no, why not? \_\_\_\_\_

8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Rate of population

and industrial growth on both sides (B) scarce water rights issue in Rio Grande (C) Need to operate Rio Grand by same rules and regulations in order to be accountable and health (safe)

9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? \_\_\_\_\_

same as above

10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Push for communities to

understand the need to provide services such as water, wastewater, landfills, etc.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Edinburg

**Water Management Strategy Name:** Urbanization

**Capital Cost:** \$ 0<sup>0</sup> 1,326,201

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ entire amount.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ —.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Edinburg

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost:** \$ \$ 440,058 Annual cost

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 30%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 30%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 70%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

TWDB; TNRCC, EPA, Parks & Wildlife (wetland reuse);  
NAD Bzhk; EDA, Bureau of Reclamation

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Edinburg

**Water Management Strategy Name:** Non-Potable Reuse

**Capital Cost:** \$ 1,403,632

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 30%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 30%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 70%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

Same as conservation

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Edinburg

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ —.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Limited
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Communication was not directed to the key people. Confusion with environmental involvement
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? groundwater blending w/ surface, reuse
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? Currently reuse for golf course, park, wetlands and Calpine. 50% reuse; Planning region reuse w/ a c Allen; Test holes have been made; New reservoir
  
5. Have you considered regionalization of your water supply? Have been working toward it.
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? /
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Most cost effective alternative i.e. cleaning river, drilling wells, reuse
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? reuse, groundwater, urbanization as → conservation of water rights
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. interconnection w/ NAWSC and Pharr; information good; \$ No more emphasis on what does it cost

RECORDKEEPING LIST OF CONTACT

CITY	PERSON CONTACTED	PHONE	DATE	OUTCOME
Elsa	Rachel	262-2127	3-20-02	I was Informed to Contact Mr. Garza. He was out so message was left
Elsa	City of Elsa	262-5050	3-25-02	Faxed reminder memo

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For **each** of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Harlingen

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 411

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ —

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ —

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Harlingen

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 90%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 90%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 10%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

EDH, TWDB; TDCA  
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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Harlingen

**Water Management Strategy Name:** Non-Potable Reuse

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 60%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 60%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 40%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

EDA, Tex. Dept Commerce; TWD B  
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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Harlingen

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ —

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ —

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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Choice Whitley 3/15/02

RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? No; limited
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. No; geared to economic impact on ag instead of taking care of municipal needs; Gave opportunity but did not take it.
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? reuse
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? Currently use 3 mgd for industrial use plus golf course irrigation; addition 1.5 mgd to be used within 6 months.
  
5. Have you considered regionalization of your water supply? Yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? /
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Form Valley wide water authority for municipal; Delivery of water with more control thru pipeline or close system; accumulate water rights thru regional authority; Shallow well treatment process
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Develop own well field and treatment plant; continued use of reclaimed and reused wastewater; meter raw water supply from irrigation district and pipe know areas of leakage.
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. There has never been enough emphasis on the "people" use of water.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Hidalgo

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For **each** of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Hidalgo

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For **each** of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Hidalgo

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? No
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Not pleased. Information and formulation of Plan not compatible with City's Master Planning.
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Yes
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? Ground water is our current source. Looking at surface treatment.
  
5. Have you considered regionalization of your water supply? Yes.
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes.
  
7. If no, why not? \_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Alternate sources, reuse, regionalization.
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_

**Recommended Water Management Strategies for City of Hidalgo**

WUG NAME	WMS NAME	CAP COST	Strategy Implementation Date
HIDALGO	ACQUIRE RIO GRANDE SUPPLY THROUGH URBANIZATION	\$0.00	<b>Ongoing</b>
HIDALGO	ADVANCED WATER CONSERVATION MEASURES	\$0.00	<b>2005</b>
HIDALGO	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	<b>N/A</b>

Rec'd  
4-5-02

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

Region Name: Region M - Rio Grande Regional Planning Group  
Name of Political Subdivision: City of Hidalgo  
Contact Person: Joe Vera, III Title: City Manager  
Telephone: 956-843-2286 E-mail: www.hidalgotexas.com

**Background:** On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 16 adopted regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75<sup>th</sup> Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77<sup>th</sup> Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

**Please return the completed survey by March 22, 2002 to:**

Magda Ruiz  
P.O. Box 2544  
Harlingen, Texas 78550  
(956) 423-7482 fax  
E-mail address: [mruiz@nrseengineers.com](mailto:mruiz@nrseengineers.com)

If you have any questions regarding this survey, please contact:

Bill Norris  
Telephone Number : (956) 423-7409  
E-mail address: [bnorris@nrseengineers.com](mailto:bnorris@nrseengineers.com)

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For **each** of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of La Grulla

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0 34,910

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 4

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 100%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

None

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of La Grulla

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0 25 000 (Annual)

*Plan to Buy 1000 Ac - E*

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100,000.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100,000.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

The 1000 Ac. for water treatment - 200,000,000  
offered through local, state and federal grants  
and BECC

Recommended Water Management Strategies for City of La Grulla

WUG_NAME	WMS_NAME	CAP_COST	Strategy Implementation Date
LA GRULLA	ADVANCED WATER CONSERVATION MEASURES	\$0.00	
LA GRULLA	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	

$\frac{1}{2}$   ~~$\frac{2}{3}$~~  Ac-ft/Lot

Current: 766 ac-ft  
 1000  
 -----  
 166 ac-ft  
 1000

Integration of ... (M...)

$$500 \text{ Ac-ft} \times \$50/\text{Ac-ft} = 25,000$$

Integration  $\Rightarrow$  75 Ac-ft/Lot

$\Rightarrow$  250 Ac-ft ...

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Unkno
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? NO
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? None  
\_\_\_\_\_  
\_\_\_\_\_
  
5. Have you considered regionalization of your water supply? No
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Wastewater reuse, regionalizing supply, and groundwater  
\_\_\_\_\_  
\_\_\_\_\_
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Reuse groundwater for agriculture  
\_\_\_\_\_  
\_\_\_\_\_
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_  
Since the reo (with some details)  
\_\_\_\_\_  
\_\_\_\_\_

See La Joya Water Supply Corporation

The La Joya Water Supply Corporation supplies this city with water. A survey was sent to the LJWSC. Only the Supplemental Survey was completed and returned.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

Region Name: Region M - Rio Grande Regional Planning Group

Name of Political Subdivision: City of La Joya

Contact Person: Mike Alaniz Title: City Manager

Telephone: 956-581-7113 E-mail: \_\_\_\_\_

**Background:** On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 16 adopted regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75<sup>th</sup> Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77<sup>th</sup> Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

**Please return the completed survey by March 22, 2002 to:**

Magda Ruiz  
P.O. Box 2544  
Harlingen, Texas 78550  
(956) 423-7482 fax  
E-mail address: [mruiz@nrseengineers.com](mailto:mruiz@nrseengineers.com)

If you have any questions regarding this survey, please contact:

Bill Norris  
Telephone Number : (956) 423-7409  
E-mail address: [bnorris@nrseengineers.com](mailto:bnorris@nrseengineers.com)

**Recommended Water Management Strategies for City of La Joya**

WUG_NAME	WMS_NAME	CAP_COST	Strategy Implementation Date
LA JOYA	ACQUIRE RIO GRANDE SUPPLY THROUGH URBANIZATION	\$0.00	
LA JOYA	ADVANCED WATER CONSERVATION MEASURES	\$0.00	
LA JOYA	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? No

2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? \_\_\_\_\_

4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. Have you considered regionalization of your water supply? \_\_\_\_\_

6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? \_\_\_\_\_

7. If no, why not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_  
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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of La Joya

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of La Joya

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of La Joya

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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RECORDKEEPING LIST OF CONTACT

CITY	PERSON CONTACTED	PHONE	DATE	OUTCOME
La Villa	Anabel	262-2122	3-20-02	left message
La Villa				Faxed

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For **each** of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Laredo

**Water Management Strategy Name:** Advanced Water conservation Measures

**Capital Cost:** \$ \$2,145,606/year

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100% of a reasonable amount  
*(education, rate structure ordinance)*

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For **each** of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Laredo

**Water Management Strategy Name:** Develop Local Groundwater

**Capital Cost: \$** 31,658,125.00

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 25%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 75%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 25%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

TWDB NADBank; Congressional Appropriation  
\_\_\_\_\_  
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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Laredo

**Water Management Strategy Name:** Non-Potable Reuse

**Capital Cost:** \$ 1368704  
~~6843742~~ / year \* too high for this strategy

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \* 50%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 50%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 50%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

TWDB, NADBank, Bureau of Reclamation, Congressional  
Appropriation.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Laredo

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 9731,431/year \* This amount seems too high  
Funded thru developer,  
builder

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100%.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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Public Meeting of  
Adrian Montemayor  
5/26/02

RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Yes, Fernando Roman was a Board Member
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? reuse, groundwater, brackish
4. If so, what have you looked at and what is the status of implementation of these alternatives? reuse - on hold except golf course (6%); groundwater - verification phase;
5. Have you considered regionalization of your water supply? No
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? N/A
7. If no, why not? No one close by to serve as a regional
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Brackish water; Conservation; ~~as~~ ~~and~~ Reuse for potable
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_

RECORDKEEPING LIST OF CONTACT

CITY	PERSON CONTACTED	PHONE	DATE	OUTCOME
Los Fresnos	Sara	233 - 5768	3-25-02	Will Fax Back
Los Fresnos	Carlos Salazar	233 - 9121	4-15-02	Called NO Answer

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of McAllen

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0 *McAllen Budget 65,000 annual*

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of McAllen

**Water Management Strategy Name:** Non-Potable Reuse

**Capital Cost: \$** 0 *Current/proposed sale to industrial (Elpine)*

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100%.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of McAllen

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of McAllen

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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Terry Reid  
3/26/02

RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? YES

2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. ~~Eff~~ ~~Pro~~ Process ~~is~~ ~~adequate~~ is adequate but cities don't actively participate.

3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Reuse, conservation

4. If so, what have you looked at and what is the status of implementation of these alternatives? Reuse in place (50%) when new power plant is finalized 100% will be used. Conserved is implemented

5. Have you considered regionalization of your water supply? YES

6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? YES

7. If no, why not? /

8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Independent study for ag demand; Treaty issues; Regionalization; legal obligations for districts to provide water;

9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Regulate water rights; Int. delivery system;

10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Irrigation Districts and Cities need to work together in partnership and figure out what is best for the area. Motivate the cities to come together, education.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For **each** of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Mercedes

**Water Management Strategy Name:** Urbanization

**Capital Cost:** \$ 0 \$ 382,043  $\phi$

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$  $\phi$  ~~50%~~

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$  $\phi$  ~~50%~~

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_ 50% right now

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

WADBANK Bonds

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Mercedes

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost:** \$ 0 \$130,941

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 50,000

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Mercedes

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0 \$ 382,043

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 191,022.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 191,022.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 191,022.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

NO AD BANK, Bonds

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? → some extent
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. yes.
  

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3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? implemented well for last 10 yrs, 50% of needs come from groundwater
4. If so, what have you looked at and what is the status of implementation of these alternatives? one well implemented and in current use (1.5 mgd)
  

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5. Have you considered regionalization of your water supply? yes to a certain extent with western but have not pursued aggressively
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? YES
  
7. If no, why not? \_\_\_\_\_
  

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8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? (1) Alternative source of water (2) Conservation for consumers and (3) Farmers - Conservation for agricultural use.
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same as above (1) develop another well (2) Effluent reuse for Golf Course Irrigation/agricultural use (3) water conservation for consumers and agricultural
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Recommend implementation of a Regional Board for follow up and implementation of water management strategies in the region

### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs) Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Mission

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost:** \$ 0 250,000

*617 584 annual from plan*

- 1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 10,000

- 2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 10,000

- 3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 240,000

- 4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

T.W.D.B. What do we gain by saving water in the cities. more water is wasted in ~~un~~ un metered & un monitored use, than a city could ever hope to save

### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

Name of Political Subdivision: \_\_\_\_\_ City of Mission \_\_\_\_\_

Water Management Strategy Name: \_\_\_\_\_ Purchase Additional Rio Grande Supply \_\_\_\_\_

Capital Cost: \$ 0 5,250,000.

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 1,000,000.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 1,000,000.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 4,250,000.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

Water Rights cost more each year and are not as ~~fast~~ readily available as some think.

Raising Rates can only be part of the answer. AG

Water users + Districts need to review their operations.

### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

Name of Political Subdivision: City of Mission

Water Management Strategy Name: Urbanization

Capital Cost: \$ 0 500,000

- 1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 500,000

- 2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_

- 3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_

- 4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

URBANIZATION OCCURS THROUGH ~~THE~~ DEVELOPMENT.

THE COST ~~SHOULD~~ ARE INCURRED BY THE DEVELOPER AND THE CITY IS LEFT WITH AN O+M COST OF THE INFRASTRUCTURE. IN FUTURE DEVELOPMENT A REPLACEMENT THE CITY WOULD SEEK T.W.P.B + OTHER FUNDING SOURCE FOR CAPITAL REPLACEMENT.

### RIO GRANDE REGIONAL WATER PLANNING GROUP SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes

2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Some what, we were shown having a water deficit and my corrections were not implemented into the final plan

3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc) for your entity? groundwater

4. If so, what have you looked at and what is the status of implementation of these alternatives? Cost prohibitive at this time, but still on back burner.

5. Have you considered regionalization of your water supply? Yes

6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? NO

7. If no, why not? So far everyone wants to put the screws to everyone else. We can pay for capital improvements but not bear the cost benefits.

8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Federal take-out off all water District irrigation companies, Do what Mull Holland did in California.

9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? public education, water conservation, De-salination

10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share.

### Recommended Water Management Strategies for City of Mission

WUG NAME	WMS NAME	CAP COST	Strategy Implementation Date
MISSION	ACQUIRE RIO GRANDE SUPPLY THROUGH URBANIZATION	\$0.00	
MISSION	ADVANCED WATER CONSERVATION MEASURES	\$0.00	
MISSION	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	

Post-it® Fax Note 7671

Date	4/7-02	# of pages	5
From	FRANK FURS		
To	MAGDA		
Co./Dept.	NRS		
Phone #	580-8080		
Fax #	580-8082		

See City of Harlingen

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

Region Name: Region M - Rio Grande Regional Planning Group

Name of Political Subdivision: Town of Palm Valley

Contact Person: Hon. Charles E. Burd Title: Mayor

Telephone: 956-423-8384 E-mail: \_\_\_\_\_

**Background:** On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 16 adopted regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75<sup>th</sup> Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77<sup>th</sup> Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

**Please return the completed survey by March 22, 2002 to:**

Magda Ruiz  
P.O. Box 2544  
Harlingen, Texas 78550  
(956) 423-7482 fax  
E-mail address: [mruiz@nrsengineers.com](mailto:mruiz@nrsengineers.com)

If you have any questions regarding this survey, please contact:

Bill Norris  
Telephone Number : (956) 423-7409  
E-mail address: [bnorris@nrsengineers.com](mailto:bnorris@nrsengineers.com)

**Recommended Water Management Strategies for  
Town of Palm Valley**

WUG_NAME	WMS_NAME	CAP_COST	Strategy Implementation Date
PALM VALLEY	ACQUIRE RIO GRANDE SUPPLY THROUGH URBANIZATION	\$0.00	
PALM VALLEY	ADVANCED WATER CONSERVATION MEASURES	\$0.00	
PALM VALLEY	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? \_\_\_\_\_  
\_\_\_\_\_
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. \_\_\_\_\_  
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\_\_\_\_\_
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? \_\_\_\_\_
4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_  
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5. Have you considered regionalization of your water supply? \_\_\_\_\_
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? \_\_\_\_\_
7. If no, why not? \_\_\_\_\_  
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8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? \_\_\_\_\_  
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\_\_\_\_\_
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_  
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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:**

Town of Palm Valley

**Water Management Strategy Name:**

Urbanization

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Town Palm Valley

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Town Palm Valley

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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See LaJoya Water Supply Corporation

The La Joya Water Supply Corporation supplies this city with water. A survey was sent to the LJWSC. Only the Survey was completed and returned.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

Region Name: Region M - Rio Grande Regional Planning Group

Name of Political Subdivision: City of Palmview

Contact Person: Ruben Gonzalez Title: City Manager

Telephone: 956-581-7411 E-mail: \_\_\_\_\_

**Background:** On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 16 adopted regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75<sup>th</sup> Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77<sup>th</sup> Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

**Please return the completed survey by March 22, 2002 to:**

Magda Ruiz  
P.O. Box 2544  
Harlingen, Texas 78550  
(956) 423-7482 fax  
E-mail address: [mruiz@nrsengineers.com](mailto:mruiz@nrsengineers.com)

If you have any questions regarding this survey, please contact:

Bill Norris  
Telephone Number : (956) 423-7409  
E-mail address: [bnorris@nrsengineers.com](mailto:bnorris@nrsengineers.com)

**Recommended Water Management Strategies for City of Palmview**

WUG_NAME	WMS_NAME	CAP_COST	Strategy Implementation Date
PALMVIEW	ACQUIRE RIO GRANDE SUPPLY THROUGH URBANIZATION	\$0.00	
PALMVIEW	ADVANCED WATER CONSERVATION MEASURES	\$0.00	
PALMVIEW	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? \_\_\_\_\_

2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. \_\_\_\_\_

3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? \_\_\_\_\_

4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_

5. Have you considered regionalization of your water supply? \_\_\_\_\_

6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? \_\_\_\_\_

7. If no, why not? \_\_\_\_\_

8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? \_\_\_\_\_

9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? \_\_\_\_\_

10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Palmview

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Palmview

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Palmview

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Pharr

**Water Management Strategy Name:** Urbanization

**Capital Cost:** \$ 462,197 / year

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 230,000.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 230,000.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 232,197.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) state / Federal using NADBank or TWDB

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Pharr

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0 358,579

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 180,000.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 180,000.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ remaining.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) NAD Bank ; TWDB

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Pharr

**Water Management Strategy Name:** Non-potable Water

**Capital Cost: \$** 0 11,43,744

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 228,750

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 228,750

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 914,995

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) NAD Bank, TWDB, Bureau of Reclamation

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Not present staff
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. N/A
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Reuse
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? Secondary effluent to golf course currently. No further plans to use excess (75% remaining)
  
5. Have you considered regionalization of your water supply? Yes w/ McAllen
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? N/A
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Alternative Water Source; Irrigation techniques/Conservation; Efficient delivery System
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Purchase water right subdivision (converted with in land); develop another well; regionalization combo w/ reuse
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Funding access to implementing on farm ~~to~~ conservation measures. Better way to disseminate information; better buy in from cities; Sub group of cities reps.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Port Isabel

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 50,000.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 50,000.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ Remaining.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Port Isabel (LMWD)

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Port Isabel

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Minimal Communication
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Yes
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? Reuse - Outdoor Resorts (review); brackish groundwater - current well not used (brackish); working with Southeast Regional Water Authority for treated brackish supply (implement of 2003) to provide 1.5 MGD treated water (1680 acre-feet)
  
5. Have you considered regionalization of your water supply? Yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? /
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? alternative supply (brackish/seawater); An conservation; Control of aquatic weed growth
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Working together - Ag and municipal to solve water problems

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Primera

**Water Management Strategy Name:** Urbanization

**Capital Cost:** \$ 0 *NO capital cost is required for urbanization*

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ —.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ —.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ —.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For **each** of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Primera

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost:** \$ 0 Operational cost for public education on water conservation will be paid for by rates

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 1000/year.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 1000/year.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

N/A  
\_\_\_\_\_  
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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Primera

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost:** \$ 135,420\*  
@ 305 unit cost x 444 acre feet

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 16,000 / year

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 16,000 / year

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 119,420

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

Increase amounts by developer to provide adequate fund for  
water rights associated with their development; Conversion of  
brackish groundwater;  
Funding sources include: TWDB, NAD Bank, CDBG grant,  
USDA Rural Development

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Yes, only contact was during the survey of needs. Water supply Table, Exhibit B indicates surplus water rights; we are actually in a deficit. Report indicates that we have ~~400~~ ac of water rights; we currently own 400  
817
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Yes
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? Brackish groundwater through regional plant for Primera, Combes, Santa Rosa, ERHWSO, NAWSC. Applied for current year DWSRF.
  
5. Have you considered regionalization of your water supply? Yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Alternative source(s) of water (brackish groundwater); Conservation; Education
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Not have to rely on Harlingen for water; alternative source; conservation rate structure
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Provide funds for regionalization feasibility analysis, to expedite projects

RECORDKEEPING LIST OF CONTACT

CITY	PERSON CONTACTED	PHONE	DATE	OUTCOME
Progreso	Cruzita Chavero	565-0241	3-7-02	City Mgr. not in but will call back when he is available
Progreso	City of Progreso	519-7681	3-25-02	Faxed Reminder memo no answer
Progreso	Cruzita	565-0241		water supplied by Military Highway Water Supply Corp.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Rio Grande City

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Rio Grande City

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Roma-Los Saenz

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** ✓ \$125,466

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 50%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 50%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 50%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

TWDB, NADBANK, USDA, EDA

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Roma ~~Los Sanoz~~

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost:** \$ 0 ~~\$818,181~~ Existing water rights good till 2020. <sup>For</sup> additional water rights the City requires developers to provide water rights for development. These additional water rights will take the city till the year ~~2020~~ 2030.

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 100%.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

TWDB provided loan to acquire purchase water rights

RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? yes

2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Communications effective during start up and development of plan with South Texas Development Canal (was developer a member). When South Texas DC and LRGDC merged communications ceased.

3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? no

4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_

5. Have you considered regionalization of your water supply? yes

6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? yes

7. If no, why not? \_\_\_\_\_

8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? (1) alternative water source (groundwater development for desalination); (2) develop + implement more efficient irrigation techniques for water conservation; (3) Cloud Enhancement for rainfall

9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? ① same

② water conservation measures ③ Regionalization of surface and/or groundwater

10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_

Communities that discharge effluent from water's into river should get credit for that effluent toward water rights available.

consultants  
Emv. no - Tak

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of San Benito

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** ~~184,113~~ 500,932

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 500,932 \*

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 500,932

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

\* Impact fees and rates to cover increased water demand  
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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of San Benito

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost:** \$ 184,115 / year

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 184,115.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 184,115.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ -0-.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of San Benito

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0\*

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

See Urbanization for increase in water rights purchase

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\_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. No, Lack of contact; Not a lot of City ~~participation~~ participation. Smaller cities have no representation. Maybe have sub-groups for communication and input would help
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Groundwater; interconnect
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? test results indicated ~~not~~ brackish quality and limited supply.
  
5. Have you considered regionalization of your water supply? Yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes, provide the city was stakeholder
  
7. If no, why not? \_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Adequate delivery of water to each entity; groundwater; contain flood water
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same as #8
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. More specific planning for City.

RECORDKEEPING LIST OF CONTACT

CITY	PERSON CONTACTED	PHONE	DATE	OUTCOME
San Juan	Blanca Castillo	702 - 6400	3-20-02	left message
San Juan	Mr. Arcaute		3/20/02	Returned call but Magda was not in So he left message Call him back

**Recommended Water Management Strategies for  
Town of Palm Valley**

WUG_NAME	WMS_NAME	CAP_COST	Strategy Implementation Date
PALM VALLEY	ACQUIRE RIO GRANDE SUPPLY THROUGH URBANIZATION	\$0.00	
PALM VALLEY	ADVANCED WATER CONSERVATION MEASURES	\$0.00	
PALM VALLEY	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? \_\_\_\_\_  
\_\_\_\_\_
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? \_\_\_\_\_
4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. Have you considered regionalization of your water supply? \_\_\_\_\_
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? \_\_\_\_\_
7. If no, why not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:**

Town of Palm Valley

**Water Management Strategy Name:**

Urbanization

**Capital Cost: \$**

0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Town Palm Valley

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Town Palm Valley

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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See La Joya Water Supply Corporation

The La Joya Water Supply Corporation supplies this city with water. A survey was sent to the LJWSC. Only the Supplemental Survey was completed and returned.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

Region Name: Region M - Rio Grande Regional Planning Group

Name of Political Subdivision: City of Palmview

Contact Person: Ruben Gonzalez Title: City Manager

Telephone: 956-581-7411 E-mail: \_\_\_\_\_

**Background:** On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 16 adopted regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75<sup>th</sup> Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77<sup>th</sup> Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

**Please return the completed survey by March 22, 2002 to:**

Magda Ruiz  
P.O. Box 2544  
Hearings, Texas 78550  
(956) 423-7482 fax  
E-mail address: [mruiz@nrsengineers.com](mailto:mruiz@nrsengineers.com)

If you have any questions regarding this survey, please contact:

Bill Norris  
Telephone Number : (956) 423-7409  
E-mail address: [bnorris@nrsengineers.com](mailto:bnorris@nrsengineers.com)

**Recommended Water Management Strategies for City of Palmview**

WUG_NAME	WMS_NAME	CAP_COST	Strategy Implementation Date
PALMVIEW	ACQUIRE RIO GRANDE SUPPLY THROUGH URBANIZATION	\$0.00	
PALMVIEW	ADVANCED WATER CONSERVATION MEASURES	\$0.00	
PALMVIEW	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? \_\_\_\_\_  
\_\_\_\_\_
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? \_\_\_\_\_
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
5. Have you considered regionalization of your water supply? \_\_\_\_\_
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? \_\_\_\_\_
  
7. If no, why not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_  
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\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Palmview

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Palmview

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Palmview

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Pharr

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** \$ 462,197 / year

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 230,000.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 230,000.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 232,197.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) State/Federal using NADBank or TWDB

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Pharr

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0 358,579

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 180,000.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 180,000.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ remaining.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) NAD Bank ; TWDB

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Pharr

**Water Management Strategy Name:** Non-potable Water

**Capital Cost: \$** 0 11,43,744

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 228,750.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 228,750.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 914,995.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) NAD Bank, TWDB, Bureau of Reclamation

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Not present staff
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. N/A
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Reuse
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? Secondary effluent to golf course currently. No further plans to use excess (75% remaining)
  
5. Have you considered regionalization of your water supply? Yes w/ McAllen
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? N/A
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Alternative Water Source; Irrigation techniques/Conservation; Efficient delivery System
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Purchase water right subdivision (converted with ag land); develop another well; regionalization combo w/ reuse
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Funding access to implementing on farm ~~to~~ conservation measures. Better way to disseminate information; better buy in from cities; Sub group of cities reps.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Port Isabel

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 50,000.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 50,000.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ Remaining.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Port Isabel (LMWD)

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Port Isabel

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Minimal Communication
  

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3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Yes
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? Reuse - Outdoor Resorts (review); brackish groundwater - current well not used (brackish); working with Southeast Regional Water Authority for treated brackish supply (implementation of 2003) to provide 1.5 MGD treated water (1680 acre-feet)
  
5. Have you considered regionalization of your water supply? Yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? /
  

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8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? alternative supply (brackish/seawater); An conservation; Control of aquatic weed growth
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same
  

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10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Working together - Ag and municipal to solve water problems

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Primera

**Water Management Strategy Name:** Urbanization

**Capital Cost:** \$ 0 *No capital cost is required for urbanization*

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ —.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ —.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ —.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Primera

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost:** \$ 0 *Operational cost for public education on water conservation will be paid for by rates*

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 1000 / year.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 1000 / year.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

N/A  
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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Primera

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost:** \$ 135,420\*  
@ 305 unit cost x 444 acre feet

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 16,000 / year

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 16,000 / year

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 119,420

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

Increase amounts by developer to provide adequate fund for water rights associated with their development; Conversion of brackish groundwater;  
Funding sources include: TWDB, NAD Bank, CDBG grant, USDA Rural Development

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Yes, only contact was during the survey of needs. Water supply Table, Exhibit B indicates surplus water rights; we are actually in a deficit. Report indicates that we have ~~400~~ ac of water rights; we currently own 400  
817
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Yes
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? Brackish groundwater through regional plant for Primera, Combes, Santa Rosa, ERHWSO, NAWSC. Applied for current year DWSRF.
  
5. Have you considered regionalization of your water supply? Yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Alternative source(s) of water (brackish groundwater); Conservation; Education
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Not have to rely on Harlingen for water; alternative source; conservation rate structure
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Provide funds for regionalization feasibility analysis, to expedite projects

RECORDKEEPING LIST OF CONTACT

CITY	PERSON CONTACTED	PHONE	DATE	OUTCOME
Progreso	Cruzita Chavero	565-0241	3-7-02	City Mgr. not in but will call back when he is available
Progreso	City of Progreso	519-7681	3-25-02	Faxed Reminder memo no answer
Progreso	Cruzita	565-0241		water supplied by Military Highway Water Supply Corp.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Rio Grande City

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Rio Grande City

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? yes, initially when state water process was initiated.

2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. satisfactory. But it can be improved.

3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? No. Beginning to evaluate reuse.

4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_

5. Have you considered regionalization of your water supply? yes

6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? yes

7. If no, why not? \_\_\_\_\_

9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? same

8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? ① Groundwater developing ② Wastewater reuse ③ Purchase of water rights

10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. help Rio Grande City to promote regionalization. State needs to provide stronger support and be more vocal to markets for regionalization

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Roma ~~La Brea~~

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost:** \$ ✓ \$125,466

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 50%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 50%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 50%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

TWDB, NADBANK, USDA, EDA

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Roma ~~Los Sanoz~~

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost:** \$ ~~0~~ ~~818,181~~ Existing water rights good till 2020. <sup>For additional water</sup> Rights the City requires developers to provide water rights for development. These additional water rights will take the city till the year ~~2040~~ 2030.

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 100%.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

TWDB provided loan to acquire purchase  
water rights

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Communications effective during start up and development of plan with South Texas Development Canal (would like a member). When South Texas DC and LRGVDC merged communications ceased.
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? no
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_
  
5. Have you considered regionalization of your water supply? yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? yes
  
7. If no, why not? \_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? (1) alternative water source (groundwater development for desalination); (2) develop + implement more efficient irrigation techniques for water conservation; (3) Eland Enhancement for rainfall
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? (1) same (2) water conservation measures (3) Regionalization of surface and/or groundwater
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Communities that discharge effluent from WRP's entity river should get credit for that effluent toward water rights available.

consultants  
Emilio-Tek

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of San Benito

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** ~~1,847,775~~ 500,932

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 500,932 \*

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 500,932

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

\* Impact fees and rates to cover increased water demand  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of San Benito

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost:** \$ 184,115 / year

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 184,115.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 184,115.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ -0-.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of San Benito

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost:** \$ 0\*

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

See Urbanization for increase in water rights purchase

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. No, Lack of contact; Not a lot of city ~~participation~~ participation. Smaller cities have no representation. Maybe have sub-groups for communication and input would help
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Groundwater; interconnect
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? test results indicated ~~low~~ brackish quality and limited supply.
  
5. Have you considered regionalization of your water supply? Yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes, provide the city was stakeholder
  
7. If no, why not? \_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Adequate delivery of water to each entity; groundwater; contain flood water
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same as #8
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. More specific planning for City.

RECORDKEEPING LIST OF CONTACT

CITY	PERSON CONTACTED	PHONE	DATE	OUTCOME
San Juan	Blanca Castillo	702 - 6400	3-20-02	left message
San Juan	Mr. Arcaute		3/20/02	Returned call but Magda was not in So he left message call him back

See North Alamo Water Supply Corporation

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

Region Name: Region M - Rio Grande Regional Planning Group

Name of Political Subdivision: City of San Perlita

Contact Person: Hon. Oscar De Luna Title: Mayor

Telephone: 956-248-5725 E-mail: \_\_\_\_\_

**Background:** On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 16 adopted regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75<sup>th</sup> Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77<sup>th</sup> Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

**Please return the completed survey by March 22, 2002 to:**

Magda Ruiz  
P.O. Box 2544  
Harlingen, Texas 78550  
(956) 423-7482 fax  
E-mail address: [mruiz@nrsengineers.com](mailto:mruiz@nrsengineers.com)

If you have any questions regarding this survey, please contact:

Bill Norris  
Telephone Number : (956) 423-7409  
E-mail address: [bnorris@nrsengineers.com](mailto:bnorris@nrsengineers.com)

**Recommended Water Management Strategies for City of San Perlita**

WUG NAME	WMS NAME	CAP COST	Strategy Implementation Date
SAN PERLITA	ACQUIRE RIO GRANDE SUPPLY THROUGH URBANIZATION	\$0.00	
SAN PERLITA	ADVANCED WATER CONSERVATION MEASURES	\$0.00	
SAN PERLITA	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? \_\_\_\_\_  
\_\_\_\_\_
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? \_\_\_\_\_
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
5. Have you considered regionalization of your water supply? \_\_\_\_\_
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? \_\_\_\_\_
  
7. If no, why not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# Lower Rio Grande Valley Development Council

Mayor Norberto "Beto" Salinas, Mission.....President  
 Hon. Norma G. Garcia, Member-At-Large.....1st Vice-President  
 Mayor Connie de la Garza, Harlingen.....2nd Vice-President  
 Mayor Pro-Tem Diana R. Serna, Mercedes.....Secretary  
 Commissioner Israel Tamez, Willacy County.....Treasurer  
 Mayor Edmund K. Cyganiewicz, South Padre Island.....Immediate Past President

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Sylvia Handy  
 Commissioner, Hidalgo County

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 Mayor, Donna

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Ricardo Rodriguez  
 Mayor Pro-Tem, San Juan

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 Mayor, Weslaco

Arturo Guajardo  
 Pharr-San Juan-Alamo I.S.D.

Dr. J. Gilbert Leal  
 President, TSTC, Harlingen

Gale Armstrong  
 El Jardin Water Supply

Michael G. Wilson  
 Willacy Navigation District

Adrian A. Arriaga  
 Member-At-Large

Mayor Patrick Marchan  
 Member-At-Large

Arturo Ramirez  
 Grassroot Organizations

**EXECUTIVE DIRECTOR**  
 Kenneth N. Jones, Jr.

February 21, 2002

Mr. Eduardo Hernandez  
 General Manager  
 Town of South Padre Island (LMWD)  
 106 Port Road  
 Port Isabel, Texas 78597

RE: Water Infrastructure Financing Survey

Dear Mr. Hernandez:

Attached please find a survey to determine various issues to assist us in the planning and implementation of water management strategies for the region. The first part of the survey reviews the water management strategies, outlined by the adopted regional plan for the Town of South Padre Island (LMWD) and asks to answer several questions with regard to financing these strategies. This is a requirement of Senate Bill 2. The second part of the survey is to determine your overall satisfaction in the planning process, your ideas for water strategies and to open the lines of communications between the Regional Planning Group and the Town of South Padre Island (LMWD).

As part of the survey, we must receive your response no later than March 22, 2002. A representative from the Region M Water Planning Group would like to arrange a meeting with you and/or your representative at your convenience to discuss these issues that are becoming more critical to our region than ever before. Magda Ruiz, with NRS Consulting Engineers, our Region M consultant team, will be contacting you with in the next two weeks to arrange this meeting.

I thank you in advance for your continued cooperation in the water planning process for our region. If you have any questions, please do not hesitate to call me at (956) 682-3481 or Bill Norris, NRS, at (956) 423-7409.

Sincerely,

Kenneth N. Jones, Jr.  
 Executive Director

MAIN OFFICE ♦ 311 N. 15th ST. ♦ McALLEN, TX 78501-4705 ♦ TEL: (956) 682-3481 ♦ FAX: (956) 631-4670  
 TTY FOR HEARING IMPAIRED: 1-800-735-2989

RIO TRANSIT CENTER ♦ 510 S. PLEASANTVIEW DR. ♦ WESLACO, TX 78596 ♦ TEL: (956) 969-5761 ♦ FAX: (956) 969-8176  
 REGIONAL POLICE ACADEMY ♦ 1902 N. LOOP 499, BUILDING K ♦ HARLINGEN, TX 78550-3697 ♦ TEL: (956) 364-4507 ♦ FAX: (956) 364-5186

Website: [www.lrgvdc.org](http://www.lrgvdc.org)  
 PRINTED ON RECYCLED PAPER

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

Region Name: Region M - Rio Grande Regional Planning Group

Name of Political Subdivision: Town of South Padre Island (LMWD)

Contact Person: Eduardo Hernandez Title: General Manager

Telephone: 956-943-2626 E-mail: \_\_\_\_\_

**Background:** On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 16 adopted regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75<sup>th</sup> Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77<sup>th</sup> Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

**Please return the completed survey by March 22, 2002 to:**

Magda Ruiz  
P.O. Box 2544  
Harlingen, Texas 78550  
(956) 423-7482 fax  
E-mail address: [mruiz@nrseengineers.com](mailto:mruiz@nrseengineers.com)

If you have any questions regarding this survey, please contact:

Bill Norris  
Telephone Number : (956) 423-7409  
E-mail address: [bnorris@nrseengineers.com](mailto:bnorris@nrseengineers.com)

**Recommended Water Management Strategies for Town of South Padre Island (LMWD)**

WUG_NAME	WMS_NAME	CAP_COST	Strategy Implementation Date
SOUTH PADRE ISLAND	ACQUIRE RIO GRANDE SUPPLY THROUGH URBANIZATION	\$0.00	
SOUTH PADRE ISLAND	ADVANCED WATER CONSERVATION MEASURES	\$0.00	
SOUTH PADRE ISLAND	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	

RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY

*See foot label*

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? \_\_\_\_\_
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
5. Have you considered regionalization of your water supply? \_\_\_\_\_
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? \_\_\_\_\_
  
7. If no, why not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Town of South Padre Island (LMWD)

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** 0 87,779 / year

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Town of South Padre Island

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0 <sup>\$</sup> 84,726 / year

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Town of South Padre Island

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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See La Joya Water Supply Corporation

The La Joya Water Supply Corporation supplies this city with water. A survey was submitted to the LJWSC. Only the Supplemental Survey was completed and returned.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

Region Name: Region M - Rio Grande Regional Planning Group

Name of Political Subdivision: City of Sullivan City

Contact Person: Robert Montes Title: City Manager

Telephone: 956-485-2278 E-mail: \_\_\_\_\_

**Background:** On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 16 adopted regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75<sup>th</sup> Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77<sup>th</sup> Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

**Please return the completed survey by March 22, 2002 to:**

Magda Ruiz  
P.O. Box 2544  
Harlingen, Texas 78550  
(956) 423-7482 fax  
E-mail address: [mruiz@nrseengineers.com](mailto:mruiz@nrseengineers.com)

If you have any questions regarding this survey, please contact:

Bill Norris  
Telephone Number : (956) 423-7409  
E-mail address: [bnorris@nrseengineers.com](mailto:bnorris@nrseengineers.com)

**Recommended Water Management Strategies for City of Sullivan City**

WUG_NAME	WMS_NAME	CAP_COST	Strategy Implementation Date
SULLIVAN CITY	ACQUIRE RIO GRANDE SUPPLY THROUGH URBANIZATION	\$0.00	
SULLIVAN CITY	ADVANCED WATER CONSERVATION MEASURES	\$0.00	
SULLIVAN CITY	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? \_\_\_\_\_

2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? \_\_\_\_\_

4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. Have you considered regionalization of your water supply? \_\_\_\_\_

6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? \_\_\_\_\_

7. If no, why not? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? \_\_\_\_\_

\_\_\_\_\_

9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? \_\_\_\_\_

\_\_\_\_\_

10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Sullivan City

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Sullivan City

**Water Management Strategy Name:** Advanced Water Conservation Services

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Sullivan City

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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\_\_\_\_\_

RECORDKEEPING LIST OF CONTACT

CITY	PERSON CONTACTED	PHONE	DATE	OUTCOME
Weslaco	Magali Torres		3-7-02	Message for Mr. Castellanos. He will call back, his Sec. is out till Tuesday
Weslaco	City of Weslaco		3-25-02	Faxed memo
Weslaco	Martha	968 - 3181	4-15-02	Called, left message, will call back

See Zapata County

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

*Corrected  
by  
Zapata  
County*

Region Name: Region M - Rio Grande Regional Planning Group

Name of Political Subdivision: ~~City of Zapata (County of Zapata)~~

Contact Person: Ms. Amada Gonzales Title: Executive Assistant

Telephone: 956-765-9971 E-mail: \_\_\_\_\_

**Background:** On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 16 adopted regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75<sup>th</sup> Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77<sup>th</sup> Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

**Please return the completed survey by March 22, 2002 to:**

Magda Ruiz  
P.O. Box 2544  
Harlingen, Texas 78550  
(956) 423-7482 fax  
E-mail address: [mruiz@nrsengineers.com](mailto:mruiz@nrsengineers.com)

If you have any questions regarding this survey, please contact:

Bill Norris  
Telephone Number : (956) 423-7409  
E-mail address: [bnorris@nrsengineers.com](mailto:bnorris@nrsengineers.com)

**Recommended Water Management Strategies for City of Zapata (County of Zapata)**

WUG_NAME	WMS_NAME	CAP_COST	Strategy Implementation Date
ZAPATA	ADVANCED WATER CONSERVATION MEASURES	\$0.00	
ZAPATA	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? \_\_\_\_\_  
\_\_\_\_\_
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? \_\_\_\_\_
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
5. Have you considered regionalization of your water supply? \_\_\_\_\_
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? \_\_\_\_\_
  
7. If no, why not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For **each** of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Zapata (County of Zapata)

**Water Management Strategy Name:** Advanced Water Conservation Services

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** City of Zapata

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Cameron County

**Water Management Strategy Name:** On-Farm Improvements

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 40%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 40

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 60

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

NRCS (Not for Districts) State Soil and Water Board OFF farm only

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Cameron County

**Water Management Strategy Name:** On-Farm Improvements

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 40%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 40%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 60%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) NRCIS-State Fundy Water Bd. - on Farm projects not

for Districts

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Cameron County

**Water Management Strategy Name:** Conveyance Improvements

**Capital Cost:** \$ \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 40%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 40%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 60%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Cameron County Irrigation District No. Two

**Water Management Strategy Name:** Urbanization/ Conservation/Water Rights Purchase /Groundwater/Reuse/Other (Specify)

Conveyance Improvements

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ -0-

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ -0-

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ all

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)The District is currently seeking appropriations for an authorized project in the amount of 50% of the total cost submitted. Other than the 50% set aside for this project, the District is not financially capable of paying for any capital costs. With the shortage of water, it is difficult to increase flat rates and be unable to deliver water.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Information regarding existing infrastructure system losses was provided for use in the regional water plan
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? No
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_
  
5. Have you considered regionalization of your water supply? No
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? No
  
7. If no, why not? \_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? (1) Treaty compliance  
(2) rehab of infrastructure (3) weed control
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? (1) rehab infrastructure  
(2) weed control (3) conservation
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_

### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy

Name of Political Subdivision: Adams Gardens Irrigation

Water Management Strategy Name: On-Farm Improvements

Metering Project

Capital Cost: \$ 58,000<sup>00</sup>

1 Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 50%

2 If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 50%

3 How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 50%

4 For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

District is seeking 50% grant funds for projects from State or Fed.

### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy

**Name of Political Subdivision:** ADAMS GARDENS, ID

**Water Management Strategy Name:** Conveyance Improvements  
Canal Lining Project

**Capital Cost:** \$ 2,189,265.00

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 50%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 50%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 50%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets if necessary)

District is seeking 50% grant funds from Fed or State.

### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

Name of Political Subdivision: NARLINGER IRRIGATION DIST

Water Management Strategy Name: On-Farm Improvements  
CANAL LINING PROJECT

Capital Cost: \$ 2,000,000

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 500

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 500

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 500

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

The District is seeking grant funding  
State + Federal for 50% of cost of project.

### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

Name of Political Subdivision: Verlinden Irrigation District

Water Management Strategy Name: Metering Project      Conveyance Improvements

Capital Cost: \$ 500,000

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 213,000

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 213,000

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 287,000

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

The District is seeking Grant funds (STATE FUND) to pay 50% of projects

### RIO GRANDE REGIONAL WATER PLANNING GROUP SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? yes
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain yes
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? N/A
4. If so, what have you looked at and what is the status of implementation of these alternatives? N/A
5. Have you considered regionalization of your water supply? N/A
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? N/A
7. If no, why not? \_\_\_\_\_
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? 1) Agricultural Conservation  
2) Security of Mexico Water Supply - 1949 TREATY  
3) Local Agricultural Conservation Research
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? same
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Spending too much  
time on high dollar/low return  
projects. Need to look at low dollar  
high return projects.  
Ag Conservation!

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Brownsville Irrigation District

**Water Management Strategy Name:** Urbanization/ Conservation/Water Rights Purchase /Groundwater/Reuse/Other (Specify)

Enclose Main Canal

**Capital Cost: \$** 5,000,000.00

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 450,000.00.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 450,000.00.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 4,550,000.00.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) 50% Federal, 30% to 40% State

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? No
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Yes
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? The district looked at reuse - TDS to high.  
\_\_\_\_\_  
\_\_\_\_\_
  
5. Have you considered regionalization of your water supply? No
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? \_\_\_\_\_
  
7. If no, why not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Infrastructure for Irrigation Districts, weed control in the Rio Grande River and better monitoring of the river.
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Weed control in the Rio Grande, Channel Dam and river monitoring.
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** La Feria Irrigation District NO

**Water Management Strategy Name:** On-Farm Improvements

**Capital Cost:** \$ 1,500,000.00

*same as page 3 conveyance improvement*

- Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_

- If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_

- How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_

- For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

Name of Political Subdivision: LaFeria Irrigation District No. 3

Water Management Strategy Name: Conveyance Improvements

Capital Cost: \$ 1,500,000.00

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ NONE

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ NONE

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ NONE

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

This District cannot afford any direct cost for improvements. Will have to be great money. The District is mainly farmers and with farm income the way it is, the property owner cannot afford more tax burden.

RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Our engineer board of Directors, Bureau of Reclamation, We have a plan since 1993 have not been able to get funding.
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Yes
4. If so, what have you looked at and what is the status of implementation of these alternatives? Re use water spill into drain ditches
5. Have you considered regionalization of your water supply? NO
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? NO
7. If no, why not? Our system for irrigation purpose I don't see how a regional water supply authority will help us
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Improve existing systems, lined canals and more pipeline
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? same as no. 8
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Metering water at main points of canals to see how much water is being use and loss

RECEIVED MAY 23 2002

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For **each** of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Hidalgo

**Water Management Strategy Name:** Conveyance Improvements

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 40%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 40%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 60%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Hidalgo

**Water Management Strategy Name:** On-Farm Improvements

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 40 %

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 40 %

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 60 %

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Donna Irrigation District HC #1

**Water Management Strategy Name:** Urbanization/ Conservation/Water Rights Purchase /Groundwater/Reuse/Other (Specify)

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 30% - 40%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 30%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 70%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Donna Irrigation Dist HC #1

**Water Management Strategy Name:** Conveyance Improvements

**Capital Cost:** \$ \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 40%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 60%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) Some sort of financing - grants, low interest loans.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Donna Irrigation District HC #1

**Water Management Strategy Name:** On-Farm Improvements

**Capital Cost:** \$ \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ - 0 -

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ - 0 -

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ - 0 -

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

On-Farm Improvements are usually paid by farmers  
not the District

### RIO GRANDE REGIONAL WATER PLANNING GROUP SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? I have not, but the previous manager did.
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. I have received reports & have attended a few of the meetings.

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3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? No
4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_

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5. Have you considered regionalization of your water supply? No
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? No
7. If no, why not? The District's plans work very efficient.

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8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Conservation, groundwater

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9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same as #8

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10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Have all cities conserve on yard watering, set rules & follow them.

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### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Hidalgo Co. Irrigation District #1

**Water Management Strategy Name:** Urbanization/ Conservation/Water Rights Purchase /Groundwater/Reuse/Other (Specify)

Conservation/Main Canal Lining/Pipelines

**Capital Cost:** \$ 45,000,000

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ NONE

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ NONE

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 45,000,000

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

See #10 of Supplemental Survey

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### RIO GRANDE REGIONAL WATER PLANNING GROUP SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Not Directly Involved

2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Mostly from Representatives through the Water District Managers Association

3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? yes

4. If so, what have you looked at and what is the status of implementation of these alternatives? Quality of alternative water does not permit continued used and agricultural economy will not support systems to improve quality

5. Have you considered regionalization of your water supply? no

6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? NO

7. If no, why not? No other source available- all water comes from same source merger of some Districts may promote improved economies permitting additional rehab projects to conserve water

8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? 1.) Compliance of Mexico Treaty 2.) Very Large Grants for irrigation District system rehab 3.) A dependable high return for agricultural crops 4.) Municipal users acceptance of higher rates to support District rehab.

9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? \_\_\_\_\_

SAME AS #8

10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_

SEE ATTACHED

**ATTACHMENT:**

#10.

The "Water Problem" becomes a "Money Problem" which in turn is simply a "Political Problem".

**For Example:**

Assume all the political entities could agree  
Assume a Valley population of 1,000,000  
Assume there are 250,000 domestic meters  
Assume a \$4.00/month/meter assessment  
Assume a 50 year zero interest government loan

$$250,000 \times \$4.00 \times 50 \text{ years} = \$600,000,000$$

**Notes:**

1. \$4.00/monthly is not a financial disaster to any family
2. Water Savings from \$600,000,000 rehab would produce an abundant supply attracting additional industry and jobs
3. Future increase in population & meters would add to available resources

Confirmation Report - Memory Send

Time : 03-20-2002 10:06
Tel line : 9563835593
Name : HCID1

Job number : 537
Date : 03-20 10:04
To : 19564237482
Document pages : 004
Start time : 03-20 10:04
End time : 03-20 10:06
Pages sent : 004
Status : OK

Job number : 537 \*\*\* SEND SUCCESSFUL \*\*\*

RIO GRANDE REGIONAL WATER PLANNING GROUP
WATER INFRASTRUCTURE FINANCING SURVEY

Region Name: Region M - Rio Grande Regional Planning Group
Name of Political Subdivision: Hidalgo Co. Irrigation District #1
Contact Person: Mr. George W. Carpenter Title: Manager
Telephone: (956) 383-3688 E-mail: hcid1edpbt@hotmail.com

Background: On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 10 separate regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75th Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77th Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

Please return the completed survey by March 22, 2002 to:

Megde Ruiz
P.O. Box 2644
Harlingen, Texas 78550
(956) 423-7400 fax
E-mail address: mruiz@hrsengineers.com

If you have any questions regarding this survey, please contact:

Bill Norris
Telephone Number : (956) 423-7400
E-mail address: bnorris@hrsengineers.com

RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For **each** of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Hidalgo County Diversion District No. 2

**Water Management Strategy Name:** Conveyance Improvements

**Capital Cost: \$** \_\_\_\_\_

- 1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ # 0

- 2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ # 0

- 3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 100%

- 4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

If we cannot get federal or state funding to improve our conveyance system, we'll continue to repair existing shorter grant pipelines and cracked canal linings. They need to be replaced, but can't afford to accomplish replacing them.

RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? yes

2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. yes

3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? NO

4. If so, what have you looked at and what is the status of implementation of these alternatives?

5. Have you considered regionalization of your water supply? NO

6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? NO

7. If no, why not? We do not need to develop a new source of water. The District relies on surface water from the Rio Grande as stipulated in our water rights.

8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Force Mexico to comply with the 1944 water Treaty. There would be no shortage of water supply if Mexico complied.

9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? 1944 Water Treaty

10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share.

FORCE MEXICO TO COMPLY W/ 1944 Treaty.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For **each** of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** \_\_\_\_\_ **HCWID #3** \_\_\_\_\_

**Water Management Strategy Name:** \_\_\_\_\_ Urbanization/ Conservation/Water Rights Purchase /Groundwater/Reuse/Other (Specify) \_\_\_\_\_

\_\_\_\_\_ Conservation \_\_\_\_\_

**Capital Cost: \$** 3,000,000. \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 3,000,000.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 3,000,000.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ — 0 —

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) NONE

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes

2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. No. We have been working on a water improvement plan which mainly includes conservation of water and money.

3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? No.

4. If so, what have you looked at and what is the status of implementation of these alternatives? We are progressing by replacing the old irrigation system with a new sprinkler system with replacement of the 1st lift silver pump station and placing open canal with underground pipe.

5. Have you considered regionalization of your water supply? Yes

6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? No

7. If no, why not? I like my plan and I can control it to a large extent and set my own time table as time and money become available.

8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Conservation which is practical and doable. Groundwater which is doable but expensive. Reuse which is doable but not too practical.

9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same as above.

10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Continue to push Old Mexico to abide by the 1944 water treaty and use water management strategies to help keep water affordable. Stop using water for polo fields and airports and parks (other) during droughts and water shortages.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

Region Name: Region M - Rio Grande Regional Planning Group

Name of Political Subdivision: HCID #5

Contact Person: Mr. Mike Yeary Title: Manager

Telephone: (956) 565-1058 E-mail: \_\_\_\_\_

**Background:** On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 16 adopted regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75<sup>th</sup> Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77<sup>th</sup> Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

**Please return the completed survey by March 22, 2002 to:**

Magda Ruiz  
P.O. Box 2544  
Harlingen, Texas 78550  
(956) 423-7482 fax  
E-mail address: [mruiz@nrseengineers.com](mailto:mruiz@nrseengineers.com)

If you have any questions regarding this survey, please contact:

Bill Norris  
Telephone Number : (956) 423-7409  
E-mail address: [bnorris@nrseengineers.com](mailto:bnorris@nrseengineers.com)

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? NO
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. NO ONE COMMUNICATED WITH ME

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3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? yes
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? use some ground water now.

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5. Have you considered regionalization of your water supply? no
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? yes
  
7. If no, why not? \_\_\_\_\_

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8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? cost, quality, supply

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9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? cost, quality, supply

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10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_

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### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

Name of Political Subdivision: Hidalgo + Cameron Counties Prog. Dist 9

Water Management Strategy Name: On-Farm Improvements

Capital Cost: \$ 2 0 → 10,000,000 ???

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ NONE

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ NONE

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ ANY  
ALL OF COST

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

FARMERS OBTAIN OWN Funding

RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY

Instructions: For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

Name of Political Subdivision: Hidalgo + Cameron Counties FRZ. Dist. #9

Water Management Strategy Name: Conveyance Improvements

Capital Cost: \$ 500,000 → 20,000,000 ???

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 10% → 1%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0% → 10% } Based upon totals above

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 90% → 99%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) ?

NOTE: ON FARM PARTICIPATION BY DISTRICT = 0%

FARMERS OBTAIN THEIR OWN Funding



RECORDKEEPING LIST OF CONTACT

CITY	PERSON CONTACTED	PHONE	DATE	OUTCOME
Cameron County			4-1-02	Called county they have not completed Will call back
Cameron County	Hon. Gilberto Hinojosa	544-0801	4-1-02	Faxed memo

Cameron

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** East Rio Hondo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/ Conservation/Water Rights Purchase /Groundwater/Reuse/Other (Specify)

GROUNDWATER

**Capital Cost: \$** 4,000,000

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ NONE.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 2,000,000.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 2,000,000.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

IMPACT FEES / GRANTS

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** East Rio Hondo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/ Conservation/Water Rights Purchase /Groundwater/Reuse/Other (Specify)

CONSERVATION

**Capital Cost: \$** MINIMAL

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ \_\_\_\_\_.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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\_\_\_\_\_  
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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** East Rio Hondo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/ Conservation/Water Rights Purchase /Groundwater/Reuse/Other (Specify)

WATER RIGHTS PURCHASE 3,500 AC-FT

**Capital Cost: \$** 5,250,000

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ NONE.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ NONE.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 5,250,000.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

IMPACT FEES W/ NEW MTRS OR GRANTS

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** East Rio Hondo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/ Conservation/Water Rights Purchase /Groundwater/Reuse/Other (Specify)

URBANIZATION - NEW WTR PLANTS & TRANSMISSION LINES

**Capital Cost: \$** ~~10,000,000~~ \$14,000,000

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ ~~4,000,000~~ NONE

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 8,000,000

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 4,000,000

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

GRANT FROM URDA. HIGHER METER FEES AS IMPACT FEE.

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? NO
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. YES
  

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3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? YES
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? SOUTHWEST REGIONAL WTR AUTHORITY  
NORTH CAMERON COUNTY WATER PROJECT  
EHWSC WATER PLANT (R.O.) w/ SUPPLEMENTAL SURFACE WTR
  

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5. Have you considered regionalization of your water supply? ALREADY IS
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? YES IF ALLOWED BY LAW
  
7. If no, why not? \_\_\_\_\_
  

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8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? ① ALTERNATE SOURCES SUCH AS R.O. ② PROVIDING A PIPELINE FROM THE DAM TO ELIMINATE LOSSES IN RIVER + PROBLEMS w/ AQUATIC PLANTS. ③ ENFORCE TREATY w/ MEXICO.
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? ① ALTERNATE SOURCES (R.O.) ② ADDITIONAL WATER RIGHTS PURCHASE ③ MINIMIZE RAW + TREATED WTR LOSSES
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. VALLEY LEADERS MUST SERIOUSLY CONSIDER A PIPELINE FROM THE RESERVOIR (LACON) TO THE MUNICIPALITIES + WSC'S + DISTRICTS TO ELIMINATE RIVER PBLMS. MUST FORM A REGIONAL WTR AUTHORITY TO RUN IT.

RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Arroyo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/ Conservation /Water Rights Purchase /Groundwater/Reuse/Other (Specify)

Raw water line to replace canal

**Capital Cost: \$** 500,000

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 500,000

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) Application to TWDB for interconnect Governors emergency fund.

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Arroyo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/ Conservation/Water Rights Purchase  
/Groundwater/Reuse/Other (Specify)

SRWA Participation

**Capital Cost:** \$ ~ 1.30/1000 odm

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ All

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Arroyo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/ Conservation/ Water Rights Purchase  
/Groundwater/Reuse/Other (Specify)

offset by development reimbursement  
**Capital Cost:** \$ 150,000 acre feet @ \$1700

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0 All

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) Some water rights will be reduced depending upon quantities delivered through sewer

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Arroyo Water Supply Corporation

**Water Management Strategy Name:** Urbanization Conservation/Water Rights Purchase  
/Groundwater/Reuse/Other (Specify)

Developer will provide cost of needed water rights  
as urban land is developed

**Capital Cost:** \$ 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ —.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ —.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ —.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) N/A.

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? NO
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. /
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? interconnect w/ ERHWSC; brackish groundwater
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? interconnect is complete; brackish groundwater through SRWA is in the planning stage
  
5. Have you considered regionalization of your water supply? Yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? /
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Replace canal dist. system with pipe and/or lining; Vegetation Control - River and Canals; more regionalization of water treatment/distribution systems
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? putting our raw water supply in canal; develop alternate groundwater source; develop additional interconnect w/ Los Fresnos
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Continue to move to regionalization of facilities

## AWSC Raw Water and Population Projections

Source: TNRCC Report

Raw Water Projections based on a 2% yearly increase / Population Projections based on 1% increase

Year	Raw Water Projections based on a 2% yearly increase		Population Projections based on 1% increase		Storage Capacity Needed	
	Raw Water Used	SBID #2 25% Trans. Fee	Acre Feet Needed	Treated Water Pumped Projections	Population/Member	Elevated / Total
1998	73,840,000	92,300,000	283.26	60,562,000	509	50,900 / 101,800
1999	60,377,000	75,471,250	231.61	55,726,000	511	
2000	63,432,000	79,290,000	243.33	56,060,000	525	
2001	69,043,000	86,303,750	264.86	59,223,000	541	54100 / 108,200
2002	70,423,860	88,029,825	270.15	61,972,997	546	
2003	71,832,337	89,790,421	275.56	63,212,457	551	
2004	73,268,983	91,586,229	281.07	64,476,705	557	
2005	74,734,363	93,417,954	286.69	65,766,239	562	
2006	76,229,050	95,286,313	292.42	67,081,564	568	
2007	77,753,632	97,192,040	298.27	68,423,196	574	
2008	79,308,705	99,135,881	304.24	69,791,660	580	
2009	80,894,878	101,118,598	310.32	71,187,493	585	
2010	82,512,776	103,140,970	316.53	72,611,243	591	
2011	84,163,032	105,203,790	322.86	74,063,468	597	
2012	85,846,292	107,307,865	329.32	75,544,737	603	
2013	87,563,218	109,454,023	335.90	77,055,632	609	
2014	89,314,482	111,643,103	342.62	78,596,744	615	
2015	91,100,772	113,875,965	349.47	80,168,679	621	62,100 / 124,200

Appendix C

(200) lease  
60 purchase

Camerr

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** El Jardin Water Supply Corp.

**Water Management Strategy Name:** Urbanization/ Conservation/Water Rights Purchase /Groundwater/Reuse/Other (Specify)

Conservation, urbination, production of ground and / or surface water

**Capital Cost: \$** 42,310,000

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 17,310,000

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 17,310,000

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 25,000,000

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

U.S. Department of Agriculture Rural Development Services for Loan and Grant Programs  
North American Development Bank for combinations of grants and loans  
Texas Water Development Board Disadvantaged Communities Programs for grants & loans

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Yes  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Yes
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? Treatment of brackish groundwater & Gulf waters with reverse osmosis and desalination plants and cleanup of the Rio Grande: we would support all those efforts. We would join the Southmost Water Authority if WSC's could be partners in the project. We support the Brownsville Weir project to optimize the municipal water made available.
  
5. Have you considered regionalization of your water supply? Yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? (1) Enforce the 1994 Rio Grande Treaty and clean the river of obstructions. (2) construct underground pipes to transport municipal water along the Rio Grande. (3) Cultivate supply of ground water, gulf waters, and Brownsville Weir
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? (1) Improve the infrastructure efficiency (2) Implement Item 8 above and become a partner in the Southmost Water Authority (3) Begin at once to expand treatment facilities so that we can stay ahead of demand
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Begin at once to construct available plans. Continue to develop the plan to identify specific construction projects that can be brought on line to replace outdated facilities, implement the plans we have in place.  
Find an alternative to enforce or replace the 1944 water treaty with Mexico

County-Other ✓

Cameron  
H. Dodge  
Willacy

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** North Alamo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/ Conservation /Water Rights Purchase /Groundwater/Reuse/Other (Specify)

**Capital Cost:** \$ ~700,000 / year

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 75,000

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) TWDB Same as other

NIDIBANK

Retrofit Pilot Program

12,000 Customers  
Estimated per year ~150,000

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** North Alamo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/ Conservation/ Water Rights Purchase /Groundwater/Reuse/Other (Specify)

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 50%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 50%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 50%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) Same

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** North Alamo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/Conservation/Water Rights Purchase  
/Groundwater/Reuse/Other (Specify)

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 50% 33

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 33

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 67

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

USDA, BDDIB, CUBank, NADBank

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Yes
  

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3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Groundwater, reuse
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? REUSE (currently using 52%) [only 1200 out of 25,000 (customers)]  
Groundwater - currently looking at each area; test wells;  
plant design for brackish in Willacy Co.; possible Hidalgo and  
Cameron
  
5. Have you considered regionalization of your water supply? Yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? /
  

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8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Groundwater, Reuse  
Conversion of Ag to municipal
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same
  

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10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_
  

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RECORDKEEPING LIST OF CONTACT

CITY	PERSON CONTACTED	PHONE	DATE	OUTCOME
Hidalgo County	Maxine Claudia	318-2600	4-1-02	Tony Baron will return my call he is in charge of water issues

County-Other ✓

Clayton  
H. Dodge  
W. H. Gray

RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

Name of Political Subdivision: North Alamo Water Supply Corporation

Water Management Strategy Name Urbanization/Conservation/Water Rights Purchase  
/Groundwater/Reuse/Other (Specify)

Capital Cost: \$ ~700,000 / year

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 75,000

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) TWDB Same as other  
NADIBANK

Retreat Pilot Program

12,000

Customers

Estimated per year  
~150,000

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** North Alamo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/ Conservation/ **Water Rights Purchase** /Groundwater/Reuse/Other (Specify)

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 50%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 50%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 50%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) Some

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** North Alamo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/Conservation/Water Rights Purchase  
/Groundwater/Reuse/Other (Specify)

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 500k 33

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 33

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 67

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

USDA, BUDIS, CUBANK, NADIBANK  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Yes
  

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3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? Groundwater, reuse
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? reuse (currently using 52%) [only 1200 out of 25,000 customers]  
Groundwater - currently looking at each area, test wells;  
plant design for brackish in Wilcox Co.; Possible Hidalgo and  
Cameron
  
5. Have you considered regionalization of your water supply? Yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? /
  

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8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Groundwater, Reuse  
Conversion of Ag to municipal
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same
  

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10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_
  

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*This survey includes Sullivan City of Palm View*

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

*Hidalgo*

Region Name: Region M - Rio Grande Regional Planning Group

Name of Political Subdivision: La Joya Water Supply Corp.

Contact Person: Mr. Lucrecio Flores Title: General Manager

Telephone: (956) 585-2459 E-mail: lflores@lajoyawater.com

**Background:** On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 16 adopted regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75<sup>th</sup> Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77<sup>th</sup> Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

**Please return the completed survey by March 22, 2002 to:**

Magda Ruiz  
P.O. Box 2544  
Harlingen, Texas 78550  
(956) 423-7482 fax  
E-mail address: mruiz@nrsengineers.com

If you have any questions regarding this survey, please contact:

Bill Norris  
Telephone Number : (956) 423-7409  
E-mail address: bnorris@nrsengineers.com

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? NO
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? NO
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
5. Have you considered regionalization of your water supply? NO
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Desalting Ocean Water - Waterline from Central North-East Texas
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Maverick County

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 10%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 90%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) TWDB, BECC / NAD Bank; USDA

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Maverick County *El Indio WSC - soon to be served by Eagle Pass*  
County U.S.

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 25%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 25%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 75%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

USDA, TWDB, BECC/NAD/Bank

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. No, appears to be generic; Different needs between Valley and Maverick
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? None available, reuse would be considered when
4. If so, what have you looked at and what is the status of implementation of these alternatives? sewer available
  
5. Have you considered regionalization of your water supply? N/A
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? \_\_\_\_\_
  
7. If no, why not? \_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Alternative source; Reuse; Conservation
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Look more specific needs for each entity (geographical area)

RECORDKEEPING LIST OF CONTACT

CITY	PERSON CONTACTED	PHONE	DATE	OUTCOME
Starr County	Hon. Eloy Vera	487-8709	1-1-02	Faxed out info.

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Webb County

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100% by connection fee

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 100%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Webb County

**Water Management Strategy Name:** Advanced Water Conservation Measures

**Capital Cost:** \$ 355,517/year

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 0.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 100%.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

Water pamphlets from TWDB; TWDB; BECC/NAD Bank;  
USDA

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RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Yes
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Yes
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? groundwater (Carrizo Wilcox); reuse
4. If so, what have you looked at and what is the status of implementation of these alternatives? under review (groundwater); reuse planning stages  
consolidating sewer plants
  
5. Have you considered regionalization of your water supply? Yes
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
7. If no, why not? \_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Conservation;  
Desalination; Weather modification
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same as 8
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Mechanism for upper region  
to buy water rights (use of money) to make improvements for  
transfer of a portion of water rights would

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Willacy County

**Water Management Strategy Name:** Urbanization

**Capital Cost: \$** 0

- 1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 100%

- 2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_.

- 3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_.

- 4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) \_\_\_\_\_

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\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Willacy County

**Water Management Strategy Name:** Advanced Water Conservation

**Capital Cost: \$** 0

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 10%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 10%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 90%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

TWDB, NAD Bank; TDCA  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? Limited
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Yes
  

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3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? groundwater, drainage retention.
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? Not moving forward at this time, people don't seem to take it seriously; working with Corps of Engineers for storm drainage retention.
  

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5. Have you considered regionalization of your water supply? Yes
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Yes
  
7. If no, why not? \_\_\_\_\_
  

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8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? alternative source; conservation is already in place and not working; minimizing irrigation waste
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Alternative source, eliminate waste
  

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10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. Need to take more seriously the situation; store more excess water

County-Other ✓

Clayton  
H. Dodge  
Willacy

RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

Name of Political Subdivision: North Alamo Water Supply Corporation

Water Management Strategy Name: Urbanization/ Conservation /Water Rights Purchase /Groundwater/Reuse/Other (Specify)

Capital Cost: \$ ~700,000 / year

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 75,000

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ \_\_\_\_\_

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ \_\_\_\_\_

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) TWDB Same as other

NIDBANK

Retrofit Pilot Program

12,000  
Customers

Estimated per year  
~150,000

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** North Alamo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/ Conservation/ Water Rights Purchase  
/Groundwater/Reuse/Other (Specify)

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 50%

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 50%

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 50%

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) Same

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** North Alamo Water Supply Corporation

**Water Management Strategy Name:** Urbanization/Conservation/Water Rights Purchase  
/Groundwater/Reuse/Other (Specify)

**Capital Cost: \$** \_\_\_\_\_

1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ 50% 33.

2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 33.

3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 67.

4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

USDA, TUDIS, COBANK, NADIBANK

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
SUPPLEMENTAL SURVEY**

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? YES
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. Yes

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3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? groundwater, reuse
  
4. If so, what have you looked at and what is the status of implementation of these alternatives? reuse (currently using 52%) (only 1200 out of 25,000 customers)  
Groundwater - currently looking at each area; test wells;  
plant design for brackish in Willacy Co.; possible Hidalgo and  
Cameron
  
5. Have you considered regionalization of your water supply? YES
  
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? YES
  
7. If no, why not? /

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8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Groundwater, Reuse  
Conversion of Ag to municipal

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9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? Same

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10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. \_\_\_\_\_

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### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Zapata County

**Water Management Strategy Name:** Advanced Water Conservation

**Capital Cost: \$** 0

- 1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ ZERO

- 2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ ZERO

- 3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ ZERO

- 4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary) TWD

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### RIO GRANDE REGIONAL WATER PLANNING GROUP SUPPLEMENTAL SURVEY

1. Have you or your representative(s) been involved in the preparation of information for the currently adopted regional water plan? I haven't been involved
  
2. If so, were you pleased with the effort the planning group with regard to communications with you? Explain. The reason I haven't been involved is that  
There is no communication with my office  
From the regional planning
  
3. Have you looked at alternative water sources (i.e. reuse, groundwater, brackish groundwater, etc.) for your entity? We've studies for aquifers but  
there aren't any in our region
4. If so, what have you looked at and what is the status of implementation of these alternatives? Ground water is not that abundant
  
5. Have you considered regionalization of your water supply? no
6. Would you consider joining a regional water supply authority if it could cost your entity less money than developing a source on your own? Absolutely yes!
7. If no, why not? \_\_\_\_\_
  
8. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for the region? Desalinization,  
recycling wastewater and groundwater
  
9. In your opinion, what are the top three areas you consider to be most important in the development of adequate water supplies for your entity? The backwash that  
goes a pond (about 100000 gals daily)  
#2 Recycling wastewater effivent (about 225,000 G.D.)
  
10. We invite any comments you have with regard to water planning and implementation of water management strategies you care to share. If water is treatable  
The Longterm and shortterm solution is sea water desalina-  
tion . . . . I believe that the technology is good enough  
and it would permanently solve the problem.

Zapata County

### RIO GRANDE REGIONAL WATER PLANNING GROUP WATER INFRASTRUCTURE FINANCING SURVEY

**Instructions:** For each of the recommended strategies in the regional water plan to meet your water needs, please fill in the water management strategy name and cost (refer to the attached table showing the specific projects recommended for your political subdivision and the estimated capital costs). Answers to the following questions should be provided for each strategy. Use a new sheet for each water management strategy.

**Name of Political Subdivision:** Zapata County

**Water Management Strategy Name:** Purchase Additional Rio Grande Supply

**Capital Cost: \$** 0

- 1. Using current utility revenue sources, including implementing necessary rate and tax increases, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above?

The political subdivision can afford to pay \$ under present condition

- 2. If you could access the State Participation Program, how much of the capital cost is the political subdivision able to pay for the water management strategy identified above using current utility revenue sources, including implementing necessary rate and tax increases?

The political subdivision can afford to pay \$ 0

- 3. How much of the capital cost is the political subdivision unable to pay for the water management strategy identified above?

The political subdivision cannot afford to pay \$ 0

- 4. For the costs the political subdivision cannot pay, what option(s) is proposed? What, if any, state funding sources would the political subdivision consider? (use additional sheets, if necessary)

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\_\_\_\_\_

**RIO GRANDE REGIONAL WATER PLANNING GROUP  
WATER INFRASTRUCTURE FINANCING SURVEY**

Region Name: Region M - Rio Grande Regional Planning Group

Name of Political Subdivision: Zapata County

Contact Person: Hon. David Morales Title: County Judge

Telephone: \_\_\_\_\_ E-mail: \_\_\_\_\_

**Background:** On January 5, 2001, Regional Water Planning Groups (RWPGs) all across the State of Texas formally submitted 16 adopted regional water plans to the Texas Water Development Board (TWDB) per requirements of Senate Bill 1 (75<sup>th</sup> Texas Legislature). The adopted regional water plans examined and analyzed the water supply needs for all water users in the State. Based on the analysis, the RWPGs identified water management strategies necessary to ensure a sufficient supply of water for the 50-year planning period. The RWPGs also developed preliminary capital cost estimates for each of the strategies recommended in the approved regional water plan.

Senate Bill 2 (77<sup>th</sup> Texas Legislature) expanded the RWPG's assignment. Senate Bill 2 charges the RWPGs with examining what financial assistance, if any, is needed to implement the water management strategies and projects recommended in the most recently approved regional water plan.

Senate Bill 2 specifically requires that the RWPG report to the TWDB how political subdivisions all across Texas propose to pay for future water infrastructure needs.

The purpose of this survey is to complete this charge with your input.

Please return the completed survey by March 29, 2002 to:

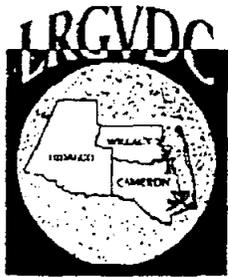
Magda Ruiz  
P.O. Box 2544  
Harlingen, Texas 78550  
(956) 423-7482 fax  
E-mail address: mruiz@nrsengineers.com

If you have any questions regarding this survey, please contact:

Bill Norris  
Telephone Number : (956) 423-7409  
E-mail address: bnorris@nrsengineers.com

**Recommended Water Management Strategies for Zapata County**

SUBWIDG NAME	TOWN NAME	CAPACITY	Strategy Implementation Date
COUNTY-OTHER	ADVANCED WATER CONSERVATION MEASURES	\$0.00	
COUNTY-OTHER	PURCHASE ADDITIONAL RIO GRANDE SUPPLY	\$0.00	



# Lower Rio Grande Valley Development Council

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**EXECUTIVE DIRECTOR**  
Kenneth N. Jones, Jr.

March 7, 2002

Hon. David Morales  
Zapata County Judge  
600 Hidalgo Blvd.  
Zapata, Texas 78076

RE: Water Infrastructure Financing Survey

Dear Honorable Judge Morales:

Attached please find a survey to determine various issues to assist us in the planning and implementation of water management strategies for the region. The first part of the survey reviews the water management strategies, outlined by the adopted regional plan for Zapata County and asks to answer several questions with regard to financing these strategies. This is a requirement of Senate Bill 2. The second part of the survey is to determine your overall satisfaction in the planning process, your ideas for water strategies and to open the lines of communications between the Regional Planning Group and Zapata County.

As part of the survey, we must receive your response no later than March 29, 2002. A representative from the Region M Water Planning Group would like to arrange a meeting with you and/or your representative at your convenience to discuss these issues that are becoming more critical to our region than ever before. Magda Ruiz, with NRS Consulting Engineers, our Region M consultant team, will be contacting you with in the next two weeks to arrange this meeting.

I thank you in advance for your continued cooperation in the water planning process for our region. If you have any questions, please do not hesitate to call me at (956) 682-3481 or Bill Norris, NRS, at (956) 423-7409.

Sincerely,

Kenneth N. Jones, Jr.  
Executive Director

MAIN OFFICE ♦ 311 N. 15th ST. ♦ McALLEN, TX 78501-4705 ♦ TEL: (956) 682-3481 ♦ FAX: (956) 631-4670  
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REGIONAL POLICE ACADEMY ♦ 1902 N. LOOP 499, BUILDING K ♦ HARLINGEN, TX 78530-3897 ♦ TEL: (956) 364-4507 ♦ FAX: (956) 364-5186

Website: [www.lrgvdc.org](http://www.lrgvdc.org)

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## APPENDIX E

**EVALUATION OF WATER MANAGEMENT STRATEGIES FOR MEETING THE PROJECTED WATER SUPPLY NEEDS OF THE CITY OF EDINBURG, HIDALGO COUNTY**

**Description of Water User Group:**

The City of Edinburg is located in Hidalgo County. Surface water from the Rio Grande is the only supply source for the city. The following table presents the projected population, water demand, and water supply for the city. In addition, the table presents the projected water shortages for the city. The City of Edinburg has both a water conservation and a drought contingency plan filed with the TNRCC.

**Water Supply and Demand Analysis:**

		2000	2010	2020	2030	2040	2050
<b>Population</b>		45,024	55,856	67,744	82,167	95,139	110,159
<b>Projected Water Demand</b>		9,102	10,639	12,211	14,480	16,510	18,968
<b>Current Water Supply</b>	Surface Water	7,981	7,981	7,981	7,981	7,981	7,981
	Ground Water	0	0	0	0	0	0
	<b>Total</b>	7,981	7,981	7,981	7,981	7,981	7,981
<b>Projected Supply Surplus/(Deficit)</b>		-1,121	-2,658	-4,230	-6,499	-8,529	-10,987

**Evaluation of Selected Water Management Strategies:**

Strategy	Yield (AF/yr)	Total Annual Cost \$	Unit	Additional Supply by Decade (AF/Yr)					
				2010	2020	2030	2040	2050	2060
<b>Renewal of Contract for surface water<sup>1</sup></b>				Extended Cost Calculation: Annual Cost X 50 Years = Extended Cost Water Conservation Measures: \$440,058 X 50 = \$22,002,900					
<b>Water Conservation Measures<sup>2</sup></b>	1,897	\$440,058	\$232	0	213	488	869	1,321	1,897
<b>Non-Potable Water Reuse<sup>3</sup></b>	4,742	\$1,403,632	\$296	0	532	1,832	3,620	4,128	4,742
<b>Acquire Rio Grande supplies through Urbanization<sup>4</sup></b>	4,348	\$1,326,201	\$305	0	1,913	1,910	2,010	3,081	4,348
<b>Other Strategies Recommended by City</b>									

<sup>1</sup> Available supply values represent information from Chapter 3 of the Regional Plan (Draft). Assumes Contract is Term contract.

<sup>2</sup> Assumes 2% reduction in water demand per decade beginning in 2010 as recommended by the RGRWPG at the planning group meeting on June 29, 2000. Cost basis described in the June 6, 2000 draft project memo, entitled Evaluation of *Advanced Water Conservation for Municipal User Groups as a Water Management Strategy*.

<sup>3</sup> Non potable water reuse is included only for those cities with a potential to have a total of at least 5 mgd wastewater treatment plant capacity. This criteria was applied to cities with projected population exceeding 50,000 by year 2030, assuming 100 gpd of wastewater generated per person. For the cities that met the above criteria, the following reduction in water demand per decade was assumed: 5% in 2010, 15% in 2020, 25% in 2030, 2040 and 2050. This strategy was recommended by the RGRWPG at the planning group meeting on July 28, 2000. Cost basis was described in the April 28, 2000 draft technical memorandum, entitled *Evaluation of Desalinization (Task 5.4) – Draft*.

<sup>4</sup> Cost basis described in June 28, 2000 draft memorandum, entitled *Cost Estimates for Acquisition of Rio Grande Water Supply for Municipal Use*.