



## **CITY OF HONDO**

***DWSRF GREEN PROJECT RESERVE BUSINESS CASE EVALUATION***

***STATE FISCAL YEAR 2012 INTENDED USE PLAN***

***PROJECT NUMBER 62537***

COMMITMENT DATE: January 31, 2012

DATE OF LOAN CLOSING: May 22, 2013

GREEN ESTIMATE AT CLOSING: \$289,706.00

Subsidy awarded for Green components, (if any)

October 15, 2012

The Honorable James W. Danner  
City of Hondo  
1600 Avenue M  
Hondo, TX 78861

**Re: SFY 2012 Drinking Water State Revolving Fund  
Green Project Eligibility**

Dear Mayor Danner:

The Texas Water Development Board (TWDB) received Green Project Information Worksheets from the City of Hondo (City) for projects #9377 and #9378 in response to an invitation letter dated April 24, 2012. The letter states that should funding be available, the City is eligible for loan forgiveness in an amount up to 15% of the green component cost (also referred to as the Green Project Reserve) if it can demonstrate that the project has green costs greater than or equal to 30% of the total project cost. After reviewing the worksheets, TWDB staff determined the City meets the 30% green cost threshold based on the following:

- The City's Green Project Information Worksheets dated July 24, 2012 requested that \$4,965,150 of the City's total project cost of \$6,000,000 be considered eligible for the DWSRF Green Project Reserve (GPR). The general element(s) described includes the replacement of approximately 22,286 linear feet of distribution lines to address high water loss and the removal of the Spatz Road Pump Station and Ground Storage Tank to increase the system efficiency.
- The Environmental Protection Agency's (EPA's) *Green Project Reserve Guidance for Determining Project Eligibility* (TWDB-0161) lists distribution pipe replacement or rehabilitation to reduce water loss and prevent water main breaks as business case eligible for the GPR (Part B, 2.5-2), Water Efficiency.
- The Environmental Protection Agency's (EPA's) *Green Project Reserve Guidance for Determining Project Eligibility* (TWDB-0161) lists storage tank replacement or rehabilitation to reduce water loss as business case eligible for the GPR (Part B, 2.5-3), Water Efficiency.
- Information presented on the Green Project Information Worksheets and attachments previously submitted with the Project Information Form provided sufficient information

**Our Mission** : **Board Members**

To provide leadership, planning, financial assistance, information, and education for the conservation and responsible development of water for Texas

Edward G. Vaughan, Chairman  
Joe M. Crutcher, Vice Chairman  
Melanie Callahan, Executive Administrator

Thomas Weir Labatt III, Member  
Lewis H. McMahan, Member

Billy R. Bradford Jr., Member  
Monte Cluck, Member

to confirm the eligibility of the proposed improvements for the GPR in accordance with TWDB-0161 Part B, 2.5-2 & 2.5-3.

- Therefore, at this time the TWDB considers \$464,750 of project costs associated with the Water Distribution System and Storage Tank Improvements to be eligible for the DWSRF GPR. This determination is based on the Planning and Design phase costs for the project which have a requested total cost of \$845,000.
- Please note that the City's application for financial assistance must be consistent with the project scope presented on the Green Project Information Worksheets. Inclusion of the green elements within the project will be verified prior to Board commitment. If the project scope or budget related to the approved green components changes during application review, the City should update and resubmit the Green Project Information Worksheets as necessary.

For SFY 2012, the TWDB is required by federal law to allocate no less than 20% of the capitalization grant toward green component costs. Therefore, the TWDB gives first preference for invitations to entities that have a documented percentage of green component cost of at least 30% of the total project cost. The City has demonstrated that it meets/exceeds the 30% green cost threshold. Please continue working with TWDB staff on your financial assistance application.

If you have any questions regarding green project eligibility, please feel free to contact James Bronikowski, Project Engineer, by phone at 512-475-0145 or by email at [james.bronikowski@twdb.texas.gov](mailto:james.bronikowski@twdb.texas.gov).

The TWDB appreciates the City of Hondo's interest in the DWSRF.

Sincerely,



Stacy L. Barna  
Director of Program Development  
Project Finance Division

SB:rf

- Attachments: 1. Green Project Information Worksheets, Approved  
2. Green Project Cost Summary

TEXAS WATER DEVELOPMENT BOARD

# Green Project Reserve

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## Green Project Information Worksheets

**Drinking Water State Revolving Fund**

**Intended Use Plan**

The Federal Appropriation Law for the current fiscal year Clean Water and Drinking Water State Revolving Fund programs contains the Green Project Reserve (GPR) requirement. The following Green Project Information Worksheets have been developed to assist TWDB Staff in verifying eligibility of potential GPR projects.

TWDB-0163

Revised 12/2/2010

TEXAS WATER DEVELOPMENT BOARD  
DRINKING WATER STATE REVOLVING FUND (DWSRF)  
GREEN PROJECT INFORMATION WORKSHEETS

**PART I – GREEN PROJECT INFORMATION SUMMARY**

Check all that apply and complete applicable worksheets:

Categorically Eligible

- Green Infrastructure \$ \_\_\_\_\_
- Water Efficiency \$ \_\_\_\_\_
- Energy Efficiency \$ \_\_\_\_\_
- Environmentally Innovative \$ \_\_\_\_\_

Business Case Eligible

- Green Infrastructure \$ \_\_\_\_\_
- Water Efficiency \$ 3,265,150 (Water Line Replacement)
- Energy Efficiency \$ 1,700,000 (Elevated Storage Tank Replacement)
- Environmentally Innovative \$ \_\_\_\_\_

Total Requested Green Amount \$ 4,965,150 \_\_\_\_\_

Total Requested Funding Amount \$ 6,000,000 \_\_\_\_\_

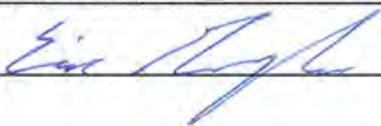
Type of Funding Requested:

- PAD (Planning, Acquisition, Design)
- C (Construction)

Completed by:

Name: Eric Gonzales, E.I.T. \_\_\_\_\_

Title: Design Engineer \_\_\_\_\_

Signature:  \_\_\_\_\_

Date: 7/24/2012 \_\_\_\_\_

**TEXAS WATER DEVELOPMENT BOARD  
DRINKING WATER STATE REVOLVING FUND (DWSRF)  
GREEN PROJECT INFORMATION WORKSHEETS**

**PART III - BUSINESS CASE ELIGIBLE**

Complete this worksheet for projects being considered for the Green Project Reserve (GPR) as business case eligible. Business case eligible projects or project components are described in the following sections of the EPA GPR guidance (TWDB-0161):

Green Infrastructure	Part B, Section 1.4
Water Efficiency	Part B, Section 2.4 and 2.5
Energy Efficiency	Part B, Section 3.4 and 3.5
Environmentally Innovative	Part B, Section 4.4 and 4.5

Information provided on this worksheet should be of sufficient detail and should clearly demonstrate that the proposed improvements are consistent with EPA and TWDB GPR guidance for business case eligible projects. Refer to **Information on Completing Worksheets** for additional information.

**Section 1 – General Project Information**

Applicant: City of Hondo PIF #: 9377, 9378

Project Name: City of Hondo Water Distribution System Improvements

Contact Name: Brent Bassett, P.E.

Contact Phone and e-mail: 512-342-6868 bbassett@ksaeng.com

Total Project Cost: \$5,000,000 Green Amount: \$5,000,000  
(Business Case Eligible)

**Brief Overall Project Description:**

The project will include replacing approximately 3.5 miles of waterline in various locations throughout the City in order to reduce the City's real water loss percentage. Additionally, the project will include demolishing two of the existing storage tanks and replacing them with one 500,000 gallon elevated storage tank. This will eliminate a high storage pump from the distribution system and help the system run more efficiently.

**Section 3 – Water Efficiency**

Certain water efficiency improvements may be considered business case eligible for the GPR. Refer to EPA and TWDB GPR guidance for a complete list and description of business case eligible GPR Projects. For all water efficiency business case eligible projects Section 3.1 must be completed. A common water efficiency project that may be considered business case eligible is water line replacements to address water loss. For this type of project complete Section 3.2 of the worksheet. For any other water efficiency improvement being considered for business case eligibility, complete Section 3.3.

**Section 3.1 - System and Water Loss Information**

Section 3.1 is required for all water efficiency business case eligible projects. Attach a copy of most recent Water Audit, if available. Otherwise, complete and attach Water Audit Worksheet or provide water audit data in a similar format. Additional information on water loss and water audits as well as a copy of the Water Audit Worksheet is available at:

[http://www.twdb.state.tx.us/assistance/conservation/Municipal/Water\\_Audit/wald.asp](http://www.twdb.state.tx.us/assistance/conservation/Municipal/Water_Audit/wald.asp)

Reference and attach water loss audit and/or any other completed planning or engineering studies:

- 2009 Municipal Water Use Survey
- 2010 Municipal Water Use Survey
- 2011 Municipal Water Use Survey

**Section 3.2 - Water Line Replacement**

Proposed pipe to be replaced:

Length (LF)	Existing Pipe			Proposed Pipe	
	Material	Age (yr)	Dia. (in)	Dia. (in)	Material
1,330	Cast Iron	>50	8	12	PVC
4,200	Cast Iron	>50	6	12	PVC
880	Galvanized Iron	>50	2	12	PVC
1,210	Cast Iron	>50	8	12	PVC
150	Cast Iron	>50	8	8	PVC
2,555	Galvanized Iron	>50	2	8	PVC
1,490	Galvanized Iron	>50	2	12	PVC
2,730	Cast Iron	>50	4	8	PVC
900	Galvanized Iron	>50	2	8	PVC
875	Galvanized Iron	>50	2	8	PVC
1,540	Galvanized Iron	>50	2	8	PVC
1,210	Galvanized Iron	>50	2	12	PVC

Percent of distribution lines being replaced: Approximately 5 %

Number of breaks/leaks/repairs recorded in past 24 months for areas being replaced:

464 (entire City) 60 water breaks for area repaired

Estimated water loss from pipe being replaced (provide calculations on following page):

1,409,902 gallons

Estimated annual water savings (provide calculations on following page): 1,409,902 gallons

Estimated annual cost savings (provide calculations on following page): \$ 62,242

Provide detailed description of the propose improvements and provide supporting calculations. Description should include a description of the methodology used to select pipes for replacement (attach additional pages if necessary):

The proposed improvements will replace approximately 3.5 miles of existing water line with known leaks in order to save Edwards Aquifer water that is being lost in the distribution system (real losses). In order to determine the most problematic water line areas, an analysis of City leakage records, age of water lines, and City employee input was put into consideration.

Based on the priority list created using various sources, water lines were selected to be replaced for this project. The City of Hondo expects to replace a total of approximately 5% of the water distribution system as a part of this project. The water lines replaced as a part of this project are anticipated to have at least twice the water loss as the system average. Therefore, for replacing 5% of the total water lines, it is anticipated that the project will reduce the real water loss volume by 10% and the total number of water leaks in the City will reduce by 10%.

By replacing water lines that have severe leaks the City of Hondo will save the money that was lost through water loss and energy. Real water losses will be reduced through eliminating pipes that cause water loss through a high frequency of leakage. Energy will be saved through reducing the amount of water that must be produced at the water treatment plant because the plant will no longer have to produce the real losses eliminated by this water replacement project.

Attached is a 2011 Water Loss Report that was done by the City of Hondo. It documents a real water loss of 14,099,020 gallons in 2011. With the City's current water rates at \$3,363.35 per million gallons (commercial rate), this equates to an annual revenue loss of \$47,419.94 from losing the retail value of the water. Because this project anticipates to reduce real water losses by 10%, the City is anticipated to save approximately \$4,742.00 ( $0.10 \times \$47,419.94$ ) in cost savings and 1,409,902 gallons ( $0.10 \times 14,099,020$  gallons) in real losses.

According to City of Hondo Public Works, there have been a total of 464 leaks in the past 24 months (232 per year). This water line replacement project will prioritize the most problematic lines with high leakage. Therefore it is anticipated that by replacing 10% of the water lines in the system, 10% of the total water leaks per year will be eliminated. Therefore, it is anticipated that 23 water leaks will be eliminated over each 12 month period (46 over a 24 month period). With each leak repair costing the City \$2,500 in labor and material costs, the City is anticipated to save \$57,500 per year.

Green amount associated with water line replacement:     \$3,300,000      
(Attach detailed cost estimate if necessary)

**Section 4.3 – Other Energy Efficiency Improvements**

Complete this section for energy efficiency improvements other than those listed above. Provide reference to applicable sections of EPA GPR guidance (TWDB-0161) that demonstrate GPR eligibility. Provide a detailed description of the proposed energy efficiency improvements indicating the reason for the project, problems being addressed, resulting benefits, anticipated savings, etc. The description should also include information that is specific to the equipment being proposed and calculations demonstrating substantial energy and financial savings. Energy and financial savings should be quantified to the extent possible. If the project consists of multiple green components, individual component costs should be provided. Supporting information, calculations and/or documentation should be attached as necessary.

Guidance Reference:  
Part B, 3.5

Detailed Description of proposed improvements:

The inspection of the City of Hondo storage tanks revealed that all three ground storage tanks are showing signs of severe deterioration and weakening of structural integrity. Some of this deterioration can be attributed to the age of the tanks. The elevated storage tanks are also showing signs of deterioration.

The proposed project will consist of eliminating one of these severely deteriorated ground storage tanks and a deteriorating elevated storage tank, and replacing them with a 500,000 gallon elevated storage tank. By eliminating the ground storage tank the City will also be eliminating the associated high service pump station. The removal of this tank and pump station will allow the City’s water system to be more energy efficient and operate more smoothly.

Green amount associated with energy efficient improvements:     \$ 1,700,000      
(Attach detailed cost estimate if necessary)

**TEXAS WATER DEVELOPMENT BOARD**  
**Municipal Water Use Survey for the Calendar Year Ending December 31, 2009**  
**ANSWER SHEET**

For Office Use Only	
County Number	_____
Survey Number	_____
Batch Number	_____

**System Name:** City of Hondo  
**Mailing Address:** 1600 Ave. M  
**City/State/Zip:** Hondo, Texas 78861  
**TWDB Code:** \_\_\_\_\_  
**Primary County:** Medina

**PUMPED GROUNDWATER (SELF-SUPPLIED)**

	SOURCE 1	SOURCE 2	SOURCE 3	SOURCE 4	SOURCE 5
1. Aquifer Name	Edward				
2. County Where Pumped	Medina				
3. Number of Active Wells	4				
OR	OR	OR	OR	OR	OR

**SURFACE WATER UNDER A TCEQ WATER RIGHT (SELF-SUPPLIED) N/A**

4. Reservoir or River					
5. County of Diversion					
6. TCEQ Water Right #					
7. % of Volume not Returned					
OR	OR	OR	OR	OR	OR

**PURCHASED WATER N/A**

8. Name of Water Provider					
9. Type of Water					
10. Name of Source					
11. Source County					
AND	AND	AND	AND	AND	AND

**VOLUME OF WATER INTAKE (IN GALLONS)**

12. January	48518400			
13. February	48721300			
14. March	52541900			
15. April	46033400			
16. May	64556800			
17. June	54008700			
18. July	66352400			
19. August	76233600			
20. September	64393800			
21. October	46213100			
22. November	38686400			
23. December	35950200			
<b>24. Total Annual Volume</b>	<b>642210000</b>			
25. Metered or Estimated	642210000			
26. % Treated Before Intake	N/A			
27. Brackish/Saline (Y or N)	N/A			

**REUSE/TREATED EFFLUENT (SELF-SUPPLIED OR PURCHASED)**

N/A	SOURCE 1	SOURCE 2	SOURCE 3
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28. Reuse Water Source (self-treated or purchased)			
29. Source County			
30. If Purchased, Sellers Name			
31. Direct or Indirect Reuse			
32. If Indirect Reuse, TCEQ Water Right Number			
33. Total Annual Volume (in gallons)			
34. Percent used for Industrial			
35. Percent used for Landscape			
36. Percent used for Agriculture			
37. Percent used for Other			

**WHOLESALE WATER SALES TO OTHER WATER SYSTEMS**

N/A	38. Name of Buyer	39. Type of Water	40. Source of Water	41. Source County	42. Total Annual
SALE 1					
SALE 2					
SALE 3					

**WATER SALES TO INDUSTRIAL PRODUCTION FACILITIES**

	43. Name of Buyer	44. Type of Water	45. Source of Water	46. Source County	47. Total Annual
SALE 1	Blue Line	Treated	Edward Aquifer	Medina	19,138,500
SALE 2					
SALE 3					

**DIRECT RETAIL CONNECTIONS TO ADDITIONAL CITIES/COUNTIES**

N/A	CITY 1	CITY 2	CITY 3	CITY 4	CITY 5
48. City Name					
49. Number of Connections					
N/A	COUNTY 1	COUNTY 2	COUNTY 3	COUNTY 4	COUNTY 5
50. County Name					
51. Number of Connections					

**WATER SYSTEM INFORMATION**

52. What is the estimated total full-time residential population served directly by this system? 8,803  
0  
0

	Total Connections/Units (Metered & )	Single-Family Residential (Including Duplexes)		Commercial / Institutional	Other Metered Connections
53. Total Connections	2672	2193	141	338	N/A
54. Total Annual Volume	N/A	330492250	21095250	223669700	

55. What is the total number of service connections that are unmetered? 0  
 56. What is the estimated volume (IN GALLONS) of the known unmetered water usage? 0  
 57. What is the water loss volume (in GALLONS) for the system (intake minus all sales, metered sales, metered uses, and known unmetered sources)? 1246300 gallons

**Please complete or make any revisions to the areas below:**

Contact Name: Gilbert Garza  
 Contact Title: Water Superintendent  
 Email Address: ggarza@hondo-tx.org  
 Phone: 830-426-2125

**Please provide any additional comments or remarks below. Attach additional sheets if needed.**

#57 are water leaks, overflow from water tank, flushing water lines and etc.

ANSWER SHEET

System Name: City of Hondo  
 Mailing Address: 1600 ave. M  
 City / State / Zip: Hondo Tx. 78861  
 TWDB Code: \_\_\_\_\_  
 Primary County: Medina  
 River Basin: \_\_\_\_\_

for office use only

County Number \_\_\_\_\_  
 Survey Number \_\_\_\_\_  
 Batch Number \_\_\_\_\_

PUMPED GROUNDWATER (SELF-SUPPLIED)

	SOURCE 1	SOURCE 2	SOURCE 3	SOURCE 4	SOURCE 5
1. Aquifer Name	Edward Aquifer				
2. County Where Pumped	Medina				
3. Number of Active Wells	4				

OR OR OR OR OR OR

SURFACE WATER UNDER A TCEQ WATER RIGHT (SELF-SUPPLIED)

NA

4. Reservoir or River					
5. County of Diversion					
6. TCEQ Water Right #					
7. % of Volume not Returned					

OR OR OR OR OR OR

PURCHASED WATER

NA

8. Name of Water Provider					
9. Type of Water					
10. Name of Source					
11. Source County					

AND AND AND AND AND AND

VOLUME OF WATER INTAKE (IN GALLONS)

12. January	46257300			
13. February	34191500			
14. March	33422500			
15. April	38901300			
16. May	41679500			
17. June	41853100			
18. July	48155900			
19. August	56251500			
20. September	61435000			
21. October	43992000			
22. November	50710000			
23. December	45680600			
24. Total Annual Volume	542530200			
25. Metered or Estimated	metered			
26. % Treated Before Intake	n/a			
27. Brackish/Saline (Y or N)	n			

REUSE/TREATED EFFLUENT (SELF-SUPPLIED OR PURCHASED)

NA

	SOURCE 1	SOURCE 2	SOURCE 3
28. Reuse Water Source (self-treated or purchased)			
29. Source County			
30. If Purchased, Sellers Name			
31. Direct or Indirect Reuse			
32. If Indirect Reuse, TCEQ Water Right Number			
33. Total Annual Volume (in gallons)			
34. Percent used for Industrial			
35. Percent used for Landscape			
36. Percent used for Agriculture			
37. Percent used for Other			

**WHOLESALE WATER SALES TO OTHER WATER SYSTEMS**  
**NA** Part G-03

	38. Name of Buyer	39. Type of Water	40. Source of Water	41. Source County	42. Total Annual
SALE 1					
SALE 2					
SALE 3					

**WATER SALES TO INDUSTRIAL PRODUCTION FACILITIES**

	43. Name of Buyer	44. Type of Water	45. Source of Water	46. Source County	47. Total Annual
SALE 1	Blue line	treated	ground water	Medina	15112200
SALE 2					
SALE 3					

**DIRECT RETAIL CONNECTIONS TO ADDITIONAL CITIES/COUNTIES**

	CITY 1	CITY 2	CITY 3	CITY 4	CITY 5
48. City Name					
49. Number of Connections					

	COUNTY 1	COUNTY 2	COUNTY 3	COUNTY 4	COUNTY 5
50. County Name					
51. Number of Connections					

**WATER SYSTEM INFORMATION**

52. What is the estimated total full-time residential population served directly by this system? \_\_\_\_\_

	Total Connections/Units (Metered & Unmetered)	Single-Family Residential (Including Duplexes)	Multi-Family Units (NOT Service Connections)	Commercial / Institutional	Other Metered Connections
53. Total Connections	2656	2134	136	386	N/A
54. Total Annual Volume	N/A	244242926	15589974	220580400	

55. What is the total number of service connections that are unmetered? \_\_\_\_\_ 0

56. What is the estimated volume (IN GALLONS) of the known unmetered water usage? \_\_\_\_\_ 0

57. What is the water loss volume (in GALLONS) for the system (intake minus all sales, metered sales, metered uses, and known unmetered sources)? \_\_\_\_\_ 2336100

Please complete or make any revisions to the areas below:

Contact Name: Gilbert Garza  
 Contact Title: Water & Wastewater Supt.  
 Email Address: ggarza@hondo-tx.org  
 Phone: (830)426-2125 Phone Extension \_\_\_\_\_

Please provide any additional comments or remarks below. Attach additional sheets if needed.

**TEXAS WATER DEVELOPMENT BOARD**  
**Municipal Water Use Survey for the Calendar Year Ending December 31, 2011**  
**ANSWER SHEET**

For Office Use Only	
County Number	_____
Survey Number	_____
Batch Number	_____

**System Name:** City of Hondo  
**Mailing Address:** 1600 Ave. M  
**City/State/Zip:** Hondo, Texas 78861  
**TWDB Code:** \_\_\_\_\_  
**Primary County:** Medina

**PUMPED GROUNDWATER (SELF-SUPPLIED)**

	SOURCE 1	SOURCE 2	SOURCE 3	SOURCE 4	SOURCE 5
1. Aquifer Name	Edward				
2. County Where Pumped	Medina				
3. Number of Active Wells	4				
OR	OR	OR	OR	OR	OR

**SURFACE WATER UNDER A TCEQ WATER RIGHT (SELF-SUPPLIED) N/A**

4. Reservoir or River					
5. County of Diversion					
6. TCEQ Water Right #					
7. % of Volume not Returned					
OR	OR	OR	OR	OR	OR

**PURCHASED WATER N/A**

8. Name of Water Provider					
9. Type of Water					
10. Name of Source					
11. Source County					
AND	AND	AND	AND	AND	AND

**VOLUME OF WATER INTAKE (IN GALLONS)**

12. January	39869000			
13. February	38093400			
14. March	47232800			
15. April	64897900			
16. May	59313300			
17. June	52640600			
18. July	58058700			
19. August	64229200			
20. September	75042000			
21. October	55615600			
22. November	57036000			
23. December	47706600			
<b>24. Total Annual Volume</b>	<b>659735100</b>			
25. Metered or Estimated	659735100			
26. % Treated Before Intake	N/A			
27. Brackish/Saline (Y or N)	N/A			

**REUSE/TREATED EFFLUENT (SELF-SUPPLIED OR PURCHASED)**

N/A	SOURCE 1	SOURCE 2	SOURCE 3
-----	----------	----------	----------

28. Reuse Water Source (self-treated or purchased)			
29. Source County			
30. If Purchased, Sellers Name			
31. Direct or Indirect Reuse			
32. If Indirect Reuse, TCEQ Water Right Number			
33. Total Annual Volume (in gallons)			
34. Percent used for Industrial			
35. Percent used for Landscape			
36. Percent used for Agriculture			
37. Percent used for Other			

**WHOLESALE WATER SALES TO OTHER WATER SYSTEMS**

N/A	38. Name of Buyer	39. Type of Water	40. Source of Water	41. Source County	42. Total Annual
SALE 1					
SALE 2					
SALE 3					

**WATER SALES TO INDUSTRIAL PRODUCTION FACILITIES**

	43. Name of Buyer	44. Type of Water	45. Source of Water	46. Source County	47. Total Annual
SALE 1	Blue Line	Treated	Edward Aquifer	Medina	12,697,900
SALE 2					
SALE 3					

**DIRECT RETAIL CONNCTIONS TO ADDITIONAL CITIES/COUNTIES**

N/A	CITY 1	CITY 2	CITY 3	CITY 4	CITY 5
48. City Name					
49. Number of Connections					
N/A	COUNTY 1	COUNTY 2	COUNTY 3	COUNTY 4	COUNTY 5
50. County Name					
51. Number of Connections					

**WATER SYSTEM INFORMATION**

52. What is the estimated total full-time residential population served directly by this system? 8,803  
0  
0

	Total Connections/Units (Metered & )	Single-Family Residential (Including Duplexes)		Commercial / Institutional	Other Metered Connections
53. Total Connections	2670	2142	137	391	N/A
54. Total Annual Volume	N/A	313061172	19982628	238828500	

55. What is the total number of service connections that are unmetered? 0  
 56. What is the estimated volume (IN GALLONS) of the known unmetered water usage? 0  
 57. What is the water loss volume (in GALLONS) for the system (intake minus all sales, metered sales, metered uses, and known unmetered sources)? 14099020 gallons

**Please complete or make any revisions to the areas below:**

Contact Name: Gilbert Garza  
 Contact Title: Water Superintendent  
 Email Address: ggarza@hondo-tx.org  
 Phone: 830-426-2125

**Please provide any additional comments or remarks below. Attach additional sheets if needed.**

#57 are water leaks, overflow from water tank, flushing water lines and etc.

Attachment - City of Hondo Water line Leak Pictures

