



# GROUNDWATER REDUCTION PLAN MONTHLY OPERATIONS REPORT

## SEPTEMBER, 2021

### Monthly Actual vs. Budgeted

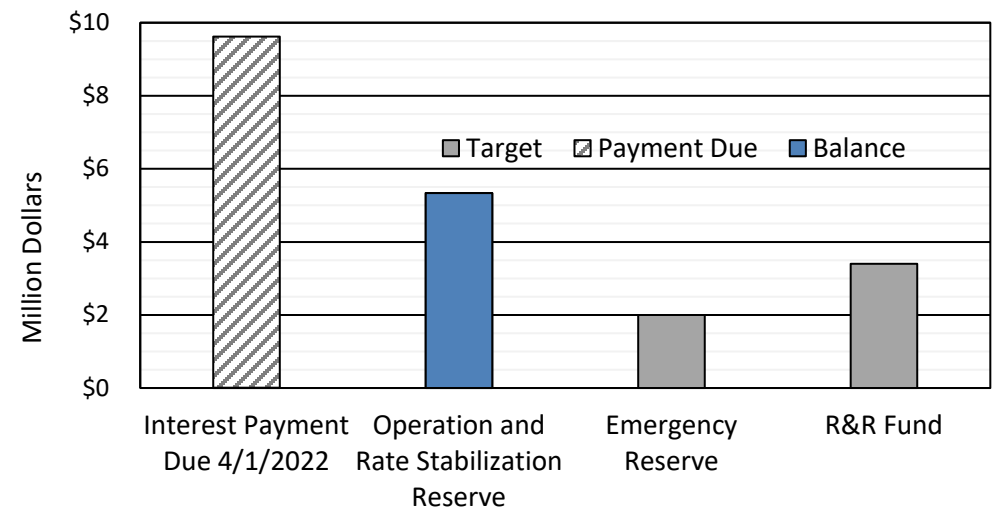
	Actual	Budgeted	% Variance
Operating Revenues	\$6,397,010	\$5,826,352	10%
Operating Expenses	\$915,545	\$1,189,364	23%

Operating Fund Balance	\$39,232
Operating and Rate Stabilization Fund Balance	\$5,337,408
Months of Budgeted Operating Funds	<b>3.02</b>
Change from Previous Month	\$874,002
Interest and Principal Payment Due 10/1/2021	*\$24,734,159
Interest Payment Due 4/1/2022	**\$9,623,078
Balance in Debt Service Fund as of 9/30/2021	\$4,067

\* Payment made 9/2021

\*\*monthly debt service is ~\$2.9 million

### Current Fund Balances

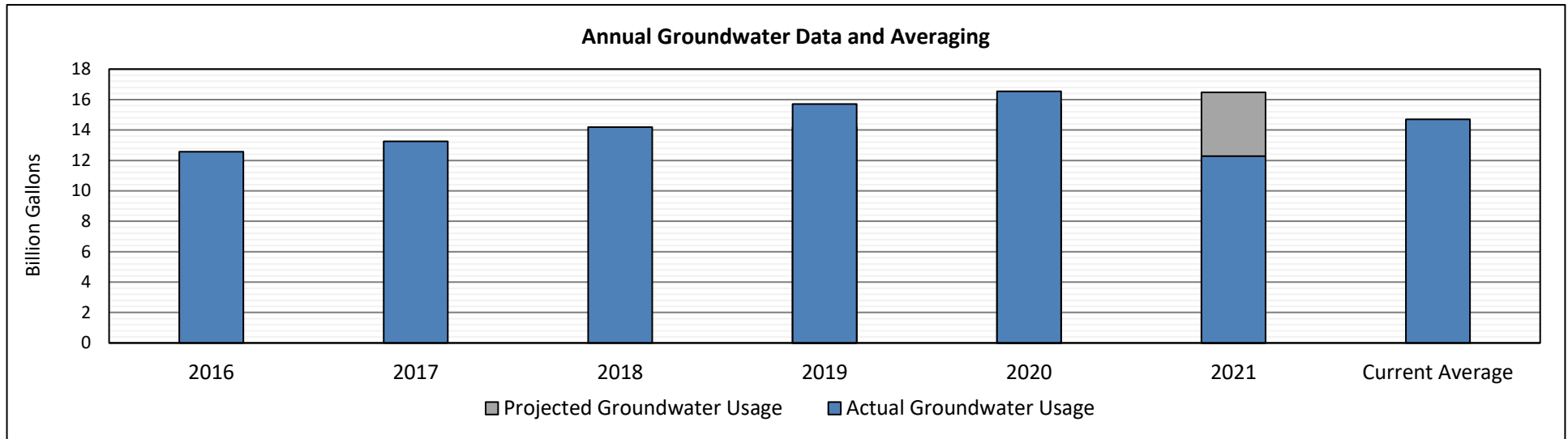


## **1.0 PARTICIPANT GROUNDWATER TRACKING**

The following information is related to the Joint GRP's groundwater usage and goals along with compliance with Lone Star Groundwater Conservation District's (LSGCD) rules and regulations.

### **1.1 GROUNDWATER DATA**

The purpose of the graph below is to track the GRP Participant's aggregate groundwater withdrawal by calendar year and subsequently calculate the average groundwater withdrawal. Additionally, the graph provides the current calendar year's projected aggregate groundwater withdrawal in comparison to the reported aggregate groundwater withdrawals, to date



### **1.2 LONE STAR GROUNDWATER CONSERVATION DISTRICT REQUIREMENT STATUS**

The Joint GRP is compliant with Lone Star Groundwater Conservation District rules.

### **1.3 PARTICIPANTS**

There are currently 149 Joint GRP Participants.

Following are recently received, new Joint GRP Contracts and/or amendments to existing Joint GRP Contract's exhibits:

- None at this time.

## 2.0 REPORTED WATER USAGE

For the purpose of the GRP Monthly Operations Report, water usage is separated into three (3) categories; groundwater, alternative water source (AWS), and surface water withdrawal. Groundwater and AWS water usage is self-reported by Participants through an online reporting system (ORS), TrueBill. Pursuant to the GRP Rate Order, Participant water usage must be reported no later than ten (10) days from the end of the month. The water usage data in Sections 2.1 - 2.3 is as of October 20, 2021.

### 2.1 REPORTED GROUNDWATER USAGE

The amount of groundwater usage reported by GRP Participants for the month of September is **1,705,204,507** gallons.

### 2.2 REPORTED ALTERNATIVE WATER SOURCE USAGE

For the purpose of this report, reported AWS usage is separated into three (3) categories; surface water, Catahoula Aquifer usage, and reuse. The amount of AWS usage reported for the month of September is **523,205,400** gallons. The AWS data reflected in the tables below are reported by source and Participant for the month of September.

#### 2.2.1 SURFACE WATER WITHDRAWAL

Surface water withdrawal is the amount of surface water that is metered through the Raw Water Intake. For the purpose of the GRP, the amount of surface water withdrawal from Lake Conroe for the month of September was **460,580,000** gallons. There is an estimated water loss of 1.73%.

#### 2.2.2 REPORTED SURFACE WATER USAGE

Reported Surface Water Usage in Gallons - September 2021	
City of Conroe	130,732,000
City of Oak Ridge North	5,313,000
Montgomery County MUD 99	17,900,000
MSEC - Montgomery Trace Crown Oaks	22,427,000
Rayford Road MUD	10,399,000
SJRA - The Woodlands	249,870,000
Southern Montgomery County MUD	15,988,000
<b>Total Gallons</b>	<b>452,629,000</b>

#### 2.2.3 REPORTED CATAHOULA AQUIFER USAGE

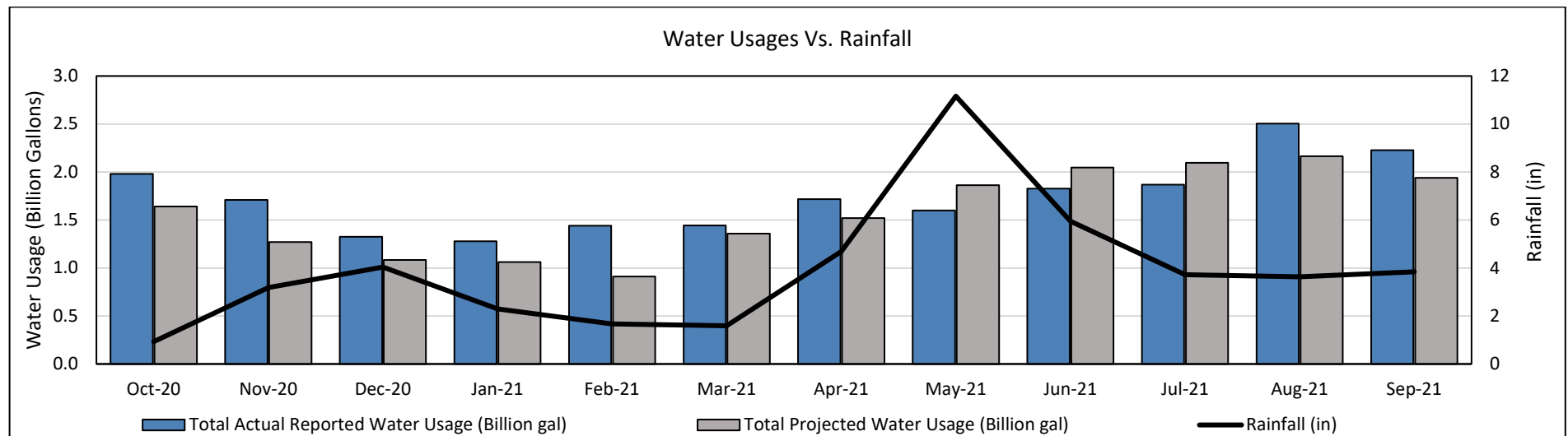
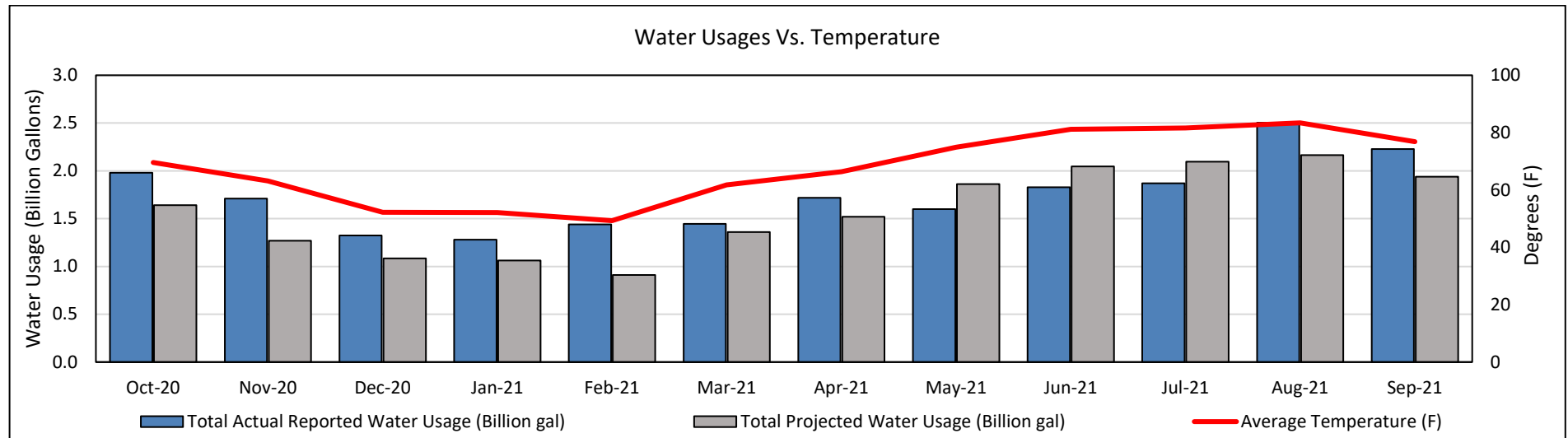
Reported Catahoula Aquifer Usage in Gallons - September 2021	
City of Conroe	54,000
City of Willis	23,099,000
Corinthian Point MUD No. 2	4,220,000
Far Hills Utility District	7,416,000
Point Aquarius MUD	12,829,000
<b>Total Gallons</b>	<b>47,618,000</b>

#### 2.2.4 REPORTED REUSE WATER

Reported Reuse Water Usage in Gallons - September 2021	
ClubCorp - Panther Trails	7,287,000
Southern Montgomery County MUD	15,671,400
<b>Total Gallons</b>	<b>22,958,400</b>

## 2.3 ENVIRONMENTAL FACTORS

Environmental factors have a direct impact on the amount of water used. For the purposes of this report, precipitation and monthly temperature averages are being tracked. The weather information is from the National Oceanic and Atmospheric Administration (NOAA) weather station at the Conroe-North Houston Regional Airport. Weather information will be updated as it becomes available.



### **3.0 DIVISION UPDATES**

#### **3.1 KEY PERFORMANCE INDICATORS**

Key Performance Indicators (KPIs) are tracked by fiscal year. Performance measurement is an essential management tool to help decision makers set a course to improve their organizations. In order to gauge current performance and set reasonable targets for the future, the GRP Division utilizes the American Water Works Association (AWWA) Utility Benchmarking Program. AWWA's Benchmarking Program was developed to help utilities track their own data and compare it to established standards among water industry peers.

KPI	SJRA GRP		AWWA Benchmark		
	Monthly	FYTD	75th	Median	25th
Days Cash on Hand	75.65	75.65	548	418	118
Preventative Maintenance %	52%	52%	78%	70%	53%
Regulatory Compliance (Water)	100%	100%	100%	100%	100%
O&M Cost (Water) per MG	\$2,016	\$2,016	\$1,218	\$1,949	\$2,940
Regulatory Compliance (LSGCD)	100%	100%			

#### **3.2 DROUGHT CONTINGENCY PLAN TRIGGERS/STATUS**

The GRP has not implemented any stages in its Drought Contingency Plan.

#### **3.3 PUBLIC COMMUNICATION ACTIVITIES**

- None at this time.

#### **3.4 UPCOMING ACTIVITIES**

- None at this time.



## 4.0 FINANCIAL

### 4.1 ACTUAL TO BUDGET COMPARISON

San Jacinto River Authority - GRP Actual to Budget Comparison For Twelve Months Ending August 31, 2021 - DRAFT								
	August		YTD			Annual	Remaining	% of Actual
	Actual	Budget	Actual	Budget	Variance	Budget	Budget	To Budget
Groundwater Pumpage \$2.73 per 1,000 gallons								
Surface Water Rate \$3.15 per 1,000 gallons								
<b>OPERATING REVENUES*</b>	\$ 6,675,430	\$ 6,519,959	\$ 56,809,491	\$ 55,179,540	\$ 1,629,951	\$ 55,179,540	\$ 1,629,951	103%
<b>OTHER REVENUES**</b>	\$ 158,517	\$ 2,700	\$ 1,483,972	\$ 32,400	\$ 1,451,572	\$ 32,400	\$ 1,451,572	4580%
<b>OPERATING EXPENSES</b>								
Salaries, Wages, & Employee Benefits	\$ 453,592	\$ 360,340	\$ 4,526,705	\$ 4,682,808	\$ 156,103	\$ 4,682,808	\$ 156,103	97%
Professional Fees	435,727	710,251	1,841,404	2,244,000	402,596	2,244,000	402,596	82%
Purchased & Contracted Services	20,660	328,601	206,732	1,448,540	1,241,808	1,448,540	1,241,808	14%
Supplies, Materials & Utilities	1,149,838	1,212,305	10,179,807	11,232,912	1,053,105	11,232,912	1,053,105	91%
Rentals	-	125	-	1,500	1,500	1,500	1,500	0%
Maintenance, Repairs & Parts	837,516	114,324	2,006,284	1,429,800	(576,484)	1,429,800	(576,484)	140%
General & Administrative Expenses	28,020	43,507	411,188	526,394	115,206	526,394	115,206	78%
<b>TOTAL OPERATING EXPENSES</b>	\$ 2,925,354	\$ 2,769,453	\$ 19,172,120	\$ 21,565,954	\$ 2,393,834	\$ 21,565,954	\$ 2,393,834	89%
<b>NON-OPERATING EXPENSES</b>	\$ 1,643,193	\$ 1,643,193	\$ 19,753,631	\$ 19,753,631	\$ (0)	\$ 19,753,631	\$ (0)	100%
<b>TOTAL EXPENSES</b>	\$ 4,568,547	\$ 4,412,646	\$ 38,925,752	\$ 41,319,585	\$ 2,393,834	\$ 41,319,585	\$ 2,393,834	94%
<b>NET REVENUES OVER EXPENSES</b>	\$ 2,265,401	\$ 2,110,013	\$ 19,367,711	\$ 13,892,355	\$ 5,475,357	\$ 13,892,355	\$ 5,475,357	139%
<b>CAPITAL IMPROVEMENTS</b>	\$ 12,946	\$ 10,923	\$ 175,475	\$ 236,077	\$ 60,602	\$ 236,077	\$ 60,602	74%
<b>OTHER SOURCES (USES)*</b>								
Repair and Replacement Transfers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0%
Bond Principal	(1,239,583)	(1,239,583)	(14,837,916)	(14,800,833)	(37,083)	(14,800,833)	(37,083)	100%
Bond Funds	-	-	47,666	-	47,666	-	47,666	0%
Debt Service Reserve Funds	-	-	-	2,967,733	(2,967,733)	2,967,733	(2,967,733)	0%
Accounts Receivable-Uncollected	(633,654)	-	(7,370,348)	(1,823,177)	(5,547,171)	(1,823,177)	(5,547,171)	404%
<b>TOTAL OTHER SOURCES (USES)</b>	\$(1,873,236)	\$(1,239,583)	\$(22,160,598)	\$(13,656,277)	\$(8,504,322)	\$(13,656,277)	\$(8,504,321)	162%
<b>NET CASH BASIS SOURCES (USES)</b>	\$ 379,219	\$ 859,508	\$ (2,968,361)	\$ (0)	\$(2,968,361)	\$ (0)	\$(2,968,361)	

\*Revenues include actual billings including short-pays and failure to pays.

\*\*Includes interest & penalty on Past Due Accounts Receivable. Majority of the balance remains uncollected.

#### 4.1 ACTUAL TO BUDGET COMPARISON (CONTINUED)

**San Jacinto River Authority - GRP**  
**Actual to Budget Comparison**  
**For One Month Ending September 30, 2021**

Groundwater Pumpage \$2.88 per 1,000 gallons  
 Surface Water Rate \$3.30 per 1,000 gallons

	September		YTD			Annual	Remaining	% of Actual
	Actual	Budget	Actual	Budget	Variance	Budget	Budget	To Budget
<b>OPERATING REVENUES*</b>	\$ 6,397,010	\$ 5,826,352	\$ 6,397,010	\$ 5,826,352	\$ 570,658	\$ 57,968,611	\$ 51,571,601	11%
<b>OTHER REVENUES**</b>	\$ 156,519	\$ 450	\$ 156,519	\$ 450	\$ 156,069	\$ 5,400	\$ -	2898%
<b>OPERATING EXPENSES</b>								
Salaries, Wages, & Employee Benefits	\$ 294,097	\$ 370,996	\$ 294,097	\$ 370,996	\$ 76,899	\$ 4,821,392	\$ 4,527,294	6%
Professional Fees	8,215	9,000	8,215	9,000	785	2,251,000	2,242,785	0%
Purchased & Contracted Services	18,266	22,555	18,266	22,555	4,289	256,100	237,834	7%
Supplies, Materials & Utilities	517,339	601,831	517,339	601,831	84,491	11,824,721	11,307,382	4%
Rentals	-	125	-	125	125	1,500	1,500	0%
Maintenance, Repairs & Parts	52,188	142,742	52,188	142,742	90,554	1,676,280	1,624,092	3%
General & Administrative Expenses	22,440	42,115	22,440	42,115	19,675	518,640	496,200	4%
<b>TOTAL OPERATING EXPENSES</b>	\$ 912,545	\$ 1,189,364	\$ 912,545	\$ 1,189,364	\$ 276,819	\$ 21,349,633	\$ 20,437,088	4%
<b>NON-OPERATING EXPENSES</b>	\$ 1,643,193	\$ 1,643,193	\$ 1,643,193	\$ 1,643,193	\$ 0	\$ 19,285,502	\$ 17,642,309	9%
<b>TOTAL EXPENSES</b>	\$ 2,555,738	\$ 2,832,557	\$ 2,555,738	\$ 2,832,557	\$ 276,819	\$ 40,635,135	\$ 38,079,397	6%
<b>NET REVENUES OVER EXPENSES</b>	\$ 3,997,791	\$ 2,994,245	\$ 3,997,791	\$ 2,994,245	\$ 1,003,546	\$ 17,338,876	\$ 13,492,204	23%
<b>CAPITAL IMPROVEMENTS</b>	\$ -	\$ 89,626	\$ -	\$ 89,626	\$ 89,626	\$ 1,136,969	\$ 1,136,969	0%
<b>OTHER SOURCES (USES)*</b>								
Bond Principal	\$(1,239,583)	\$(1,239,583)	\$(1,239,583)	\$(1,239,583)	\$ -	\$(15,333,333)	\$(14,093,750)	8%
Bond Funds	-	65,833	-	65,833	(65,833)	790,000	790,000	0%
Repair and Replacement Transfers	-	-	-	-	-	(600,000)	(600,000)	0%
Operating Reserve Fund	-	-	-	-	-	(708,574)	(708,574)	0%
Emergency Reserve Transfers	-	-	-	-	-	(350,000)	(350,000)	0%
Accounts Receivable-Uncollected	(469,976)	-	(469,976)	-	(469,976)	-	(469,976)	0%
<b>TOTAL OTHER SOURCES (USES)</b>	\$(1,709,559)	\$(1,173,750)	\$(1,709,559)	\$(1,173,750)	\$(535,809)	\$(16,201,907)	\$(15,432,301)	11%
<b>NET CASH BASIS SOURCES (USES)</b>	\$ 2,288,232	\$ 1,730,869	\$ 2,288,232	\$ 1,730,869	\$ 557,363	\$ -	\$ (3,077,065)	

\*Revenues include actual billings including short-pays and failure to pays.

\*\*Includes interest & penalty on Past Due Accounts Receivable. Majority of the balance remains uncollected.



## **5.0 PROJECTS AND FUNDING**

### **5.1 INTERNAL GRP PROJECTS**

- None at this time.

### **5.2 EXTERNAL GRP PROJECTS**

- None at this time.



## **GRP ACRONYMS AND DEFINITIONS**

### **ACRONYMS**

AWS	Alternative Water Source
AWWA	American Water Works Association
FY	Fiscal Year
FYTD	Fiscal Year To Date
GMA 14	Groundwater Management Area 14
GPY	Gallons Per Year
GRP	Groundwater Reduction Plan
KPI	Key Performance Indicator
LSGCD	Lone Star Groundwater Conservation District
ORS	Online Reporting System
SJRA	San Jacinto River Authority
TCEQ	Texas Commission on Environmental Quality
TWDB	Texas Water Development Board

### **DEFINITIONS**

Groundwater Management Area 14	Joint planning group created by the Texas state legislation to provide consideration for the conservation, preservation, protection, recharging, and prevention of waste of the groundwater, and of groundwater reservoirs or their subdivisions, and to control subsidence caused by withdrawal of water from those groundwater reservoirs or their subdivisions, consistent with the objectives of Section 59, Article XVI, Texas Constitution.
Groundwater Reduction Plan (GRP)	The document developed and filed with the LSGCD indicating SJRA's plan to reduce groundwater pumpage. The GRP is administered by the SJRA, including any supplements, revisions, or amendments.
Groundwater User	An entity that produces groundwater.
GRP Administrator	The SJRA General Manager's designee who administers the SJRA Groundwater Reduction Plan and GRP Contract with GRP Participants.
GRP Contract	Contract between the SJRA and a Participant to be included in the SJRA's efforts to conserve groundwater.
Joint GRP	GRP which is prepared to include (takes into account) groundwater users who have executed a GRP Contract with the SJRA to join the SJRA's GRP.
Participant(s)	Regulated User(s) that enters into and remains subject to a written agreement with the SJRA to be included in the SJRA's GRP and includes the legal successors or assigns of Participant(s).
Regulated User(s)	Any public or private entity or person that is or becomes subject to the District Regulatory Plan established by the LSGCD and includes any amendments, revisions or supplements thereto as may be adopted by the LSGCD.
SJRA GRP Division	Division of the SJRA responsible for GRP compliance, and the management, administration, operation and maintenance of the surface water facilities and surface water transmission system.

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