



# Groundwater Reduction Plan Program Monthly Progress Report - September 2012

San Jacinto River Authority





## TABLE OF CONTENTS

<b>Table of Contents</b>	<b>i</b>	4.5 Claims	4-2
<b>Acronyms and Definitions</b>	<b>ii</b>	4.6 CIP Cash Flow	4-2
<b>1.0 Planning</b>	<b>1-1</b>	4.7 CIP Budget Estimates at Completion	4-2
1.1 Strategic	1-1	4.8 Land Acquisition	4-2
1.2 Engineering and Construction	1-1	<b>5.0 Quality Assurance</b>	<b>5-1</b>
1.3 Meetings	1-1	<b>6.0 Exhibits</b>	<b>6-1</b>
<b>2.0 Schedule</b>	<b>2-1</b>		
2.1 Engineering	2-1		
2.2 Construction	2-1		
<b>3.0 Procurement</b>	<b>3-1</b>		
3.1 Solicitations	3-1		
3.2 Contract Awards	3-1		
3.3 Process and Procedures	3-1		
3.4 Look Ahead	3-1		
<b>4.0 Cost Report and Financial Considerations</b>	<b>4-1</b>		
4.1 GRP Program and GRP Project CIP Budget(s)	4-1		
4.2 Financial Report	4-1		
4.3 Invoices/Applications for Payment	4-1		
4.4 Contract Amendments and Change Orders	4-2		



## ACRONYMS AND DEFINITIONS

### Acronyms

<b>CA&amp;I</b>	Construction Administration and Inspection
<b>CCT</b>	Construction Communication Team
<b>CIP</b>	Capital Improvement Project
<b>CM&amp;I</b>	Construction Management and Inspection
<b>CMAR</b>	Construction Manager at Risk
<b>CMT</b>	Construction Material Testing
<b>CSB / P</b>	Competitive Sealed Bid / Proposal
<b>EA</b>	Environmental Assessment
<b>EAC</b>	Estimate At Completion
<b>GIS</b>	Geographic Information System
<b>GRP</b>	Groundwater Reduction Plan
<b>GST</b>	Ground Storage Tank
<b>HSPS</b>	High Service Pump Station
<b>LSGCD</b>	Lone Star Groundwater Conservation District
<b>LVGU</b>	Large Volume Groundwater User
<b>PER</b>	Preliminary Engineering Report
<b>PMP</b>	Program Management Plan
<b>PSA</b>	Professional Services Agreement
<b>QA</b>	Quality Assurance
<b>RFB / Q / P</b>	Request For Bids / Qualifications / Proposals
<b>RWI / RWPS</b>	Raw Water Intake / Raw Water Pump Station
<b>SJRA</b>	San Jacinto River Authority
<b>SOQ</b>	Statement Of Qualifications
<b>SWF</b>	Surface Water Facilities (SWTP, HSPS and RWI)
<b>SWRF</b>	Surface Water Receiving Facilities
<b>SWTP</b>	Surface Water Treatment Plant
<b>TBD</b>	To Be Determined
<b>TCEQ</b>	Texas Commission on Environmental Quality
<b>TWDB</b>	Texas Water Development Board
<b>TxDOT</b>	Texas Department Of Transportation
<b>WIF</b>	Water Infrastructure Fund

### Definitions

<b>GROUNDWATER REDUCTION PLAN (GRP)</b>	The document developed and filed with the LSGCD indicating SJRA's plan to reduce the permitted 2009 groundwater pumpage of its GRP Participants by 30%. The GRP is administered by the SJRA, including any supplements, revisions, or amendments.
<b>GRP PROGRAM TEAM</b>	SJRA staff, Program Management Consultant (Brown & Gay Engineers, Inc.) staff, and technical consultants working interdependently toward meeting the goals of the Groundwater Reduction Plan.
<b>GRP ADMINISTRATOR</b>	The SJRA General Manager's designee who administers the SJRA Groundwater Reduction Plan and GRP Contract with GRP Participants.
<b>GRP CONTRACT</b>	Contract between the SJRA and a Participant to be included in the SJRA's efforts to meet the surface water conversion requirements mandated by the LSGCD.
<b>JOINT GRP</b>	GRP which is prepared to include (takes into account) LVGUs who have executed a GRP Contract with the SJRA to join the SJRA's GRP. Contracted LVGUs obtain LSGCD groundwater reduction regulation compliance through the SJRA's Joint GRP without preparing and submitting a GRP.
<b>LARGE VOLUME GROUNDWATER USER(s) (LVGU)</b>	Any person or entity that, through a single well or a combination of wells, actually produces or is authorized by permit(s) issued by the LSGCD to produce 10 million gallons or more of groundwater annually on or after January 1, 2008.
<b>PARTICIPANT(s)</b>	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).
<b>REGULATED USER(s)</b>	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.
<b>SJRA GRP DIVISION</b>	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.

## 1.0 PLANNING

The GRP Program Team meets regularly for the purposes of setting performance expectations and goals of the GRP Program, identifying the efforts required to achieve these objectives, evaluating the effectiveness of such efforts, and modifying those efforts based upon both internal and external performance evaluations.

### 1.1 Strategic

**Strategic planning** meetings in September covered a range of issues for the GRP Program. Efforts continued to focus on developing relocation agreements for existing utilities in conflict with the proposed surface water transmission line alignment and working with Montgomery County officials on traffic control planning. Plans were made to conduct a construction contractor outreach meeting in October 2012 to provide information on the upcoming GRP Program construction projects.

### 1.2 Engineering and Construction

Planning issues related to engineering and construction that arose or were further acted upon this month included:

- The GRP Program Team continued efforts in standardizing the surface water transmission system construction contract documents. Finalization of the **master technical specifications** is nearing completion, as well as the **standard “front end” contract documents**. The drafting and review of a **standard bid form** was also completed, and a final version will be established soon.
- Monitoring and maintenance of the **overall GRP Program schedule** by the GRP Program Team continued this month. Surface water transmission system final design moved forward with a number of 60% and 90% design submittals occurring this month while the early stages of the SWF construction continued. The GRP Program Team will continue to update the schedule and monitor progress to ensure milestones are met and construction is completed to meet the GRP Program’s surface water conversion deadline of January 1, 2016.

### 1.3 Meetings

The GRP Program Team continued meeting with GRP Program stakeholders this month, in addition to its weekly GRP Program and GRP Project status meetings and monthly progress meetings with surface water transmission system and SWF design consultants. A listing of these meetings may be seen in attached Exhibit 10.

Meetings of special note that were led or attended by the GRP Program technical staff this month included the following:

- A meeting with Montgomery County representatives to discuss **traffic control** during construction was held September 5, 2012. The GRP Program Team will continue to work with Montgomery County on the planning and implementation of traffic control during the construction phase.
- Efforts continued this month to establish agreements and begin work on **relocating existing utilities** that conflict with the proposed alignments for surface water transmission system Segment T1, T2 and T3. The GRP Program Team and T2 design consultant met with **Consolidated** Communications on September 11 and 28, 2012, to further discuss the relocation of existing underground fiber optic lines. A meeting with City of Conroe Public Works staff was held September 20, 2012 to discuss the relocation of an existing 10-inch waterline along Segment C2 near Conroe’s Water Plant No. 6. Coordination on these relocations will continue until they are complete.
- A meeting was held on September 20, 2012 with the new director of the **Conroe Industrial Development Corporation (CIDC)** to familiarize him with the proposed alignment of surface water transmission system Segment C3 through the **Conroe Park North industrial park**. The GRP Program Team and C3 design consultant will continue to coordinate with the CIDC through final design and into construction.



**Conroe Park North  
(Segment C3)**



## 1.0 PLANNING (CONTINUED)

- The monthly **northern Montgomery County GRP Program technical status meeting** was held on September 26, 2012 at the SJRA's G&A Office. Representatives from the City of Conroe and Conroe Independent School District attended. Generally, discussion included the following:
  - \* Specific issues/comments related to the recommended alignments for the proposed GRP Program surface water transmission system C, T and (in general) W segments;
  - \* The status of land/easement acquisition associated with the proposed surface water transmission system in the Conroe area and along McCaleb Road/Fish Creek;
  - \* The status of design for GRP facilities within the City of Conroe water plant facilities proposed to receive surface water;
  - \* Updates to the anticipated surface water transmission system final design schedule; and
  - \* Public relations/public outreach efforts by the GRP Program/GRP Administrator and GRP Program technical staff.
  
- The monthly **southern Montgomery County GRP Program technical status meeting** was held on September 27, 2012 at the SJRA's Woodlands Office. Attendees included representatives from Montgomery County, The Woodlands Township, and the Southern Montgomery County Municipal Utility District (SMCMUD). Generally, discussion included the following:
  - \* Specific issues/comments related to the recommended alignment for the proposed GRP Program surface water transmission system T and W segments;
  - \* The status of land/easement acquisition in The Woodlands and east of I-45;
  - \* The status of design for GRP facilities within water plant facilities proposed to receive surface water;
  - \* Updates to the anticipated surface water transmission system final design schedule; and
  - \* Public relations/public outreach efforts by the GRP Program/GRP Administrator and GRP Program technical staff.

## 2.0 SCHEDULE

Currently, the GRP Program remains on schedule for the delivery of treated surface water to select Joint GRP Participants on or before January 1, 2016. A simplified GRP Program schedule may be found in attached Exhibit 1.

### 2.1 Engineering

Final design of the transmission line segments, SWRF, and SWF advanced significantly this month. The status of each GRP Program Consultant's Professional Services Agreement (contract) Work Order (phase and percent complete) is indicated in attached Exhibit 2.

Key schedule issues and updates related to GRP Program engineering activities include the following:

- Final design of the **surface water transmission system** progressed well this month. Submittals of 60% drawings for Segment W2B and 90% drawings for Segments C4, T1, T2 and W1B were made by the respective design consultants to the GRP Program Team for review. This month the GRP Program Team Review completed its review and provided comments to the respective consultants on 60% drawings for Segments C2, C3, T3, W2A and W4 as well as on 90% drawings for Segment T1. The remaining 60% submittals and following 90% submittals are scheduled over the coming months.
- The **Surface Water Receiving Facilities (SWRF)** final design continued this month with the design consultant addressing the review comments received on the 60% drawings and preparing for the 90% drawings submittal, which is for later in November 2012. As they progress with final design, the SWRF design consultant continues to coordinate with the individual receiving facility owners and operators as well as the transmissions system design consultants.
- **Surface Water Facilities (SWF)** final design moved closer to completion this month. The Surface Water Treatment Plant (SWTP) design consultant continued addressing review comments received on their 60% submittal and preparing their 90% submittal, which is scheduled for November 2012. The 100% submittals on both the Raw Water Intake (RWI) and High Service Pump Station (HSPS) were received by the GRP Program Team last month.

- The GRP Program Team is currently reviewing the 60% design submittal for the **fiber optic communication system**. Review is scheduled to be complete in October 2012. Meanwhile, the Program Fiber Optic Consultant continues to review of the conduit design for the fiber optic system included in the surface water transmission line drawing submittals.

### 2.2 Construction

Key issues and updates related to the schedules of GRP Program construction activities include:

- Construction of the **fiber optic line to serve GRP Building No. 1** is complete. A change order deducting unused items from the construction contract and bringing the project in under the original bid price was presented to for consideration and approved by the SJRA General Manager this month.
- Final Completion of **GRP Building No. 1** was issued September 13, 2012. Construction was completed ahead of schedule and under budget.
- With the completion of final design of the RWI and HSPS, the **Construction Manager-at-Risk's (CMAR)** pre-construction activities have focused primarily on the final design of the SWTP. Bi-weekly meetings with the design consultant continue to ensure that constructability issues are resolved and the design schedule is maintained. The procurement for Early Work Package No. 3 moved forward this month. See Subsection 3.1 for more information on Early Work Package No. 3.
- The construction phase of the **Surface Water Facilities** began in August 2012, but significant progress was made in the month of September. Site access, utilities,



**Bulkhead piling installation  
at west end of dam**

## 2.0 SCHEDULE (CONTINUED)

fencing, and signage have all been installed. The bulkhead at the western end of the Lake Conroe Dam is near completion and will be used as access to the RWI. The drilled shaft subcontractor has mobilized and will begin the drilled shaft installation in early October 2012. The bulk of the mass excavation at the HSPS and Ground Storage Tanks (GSTs) was completed this month and site access roads are under construction. See Exhibit 12 for additional SWF construction photos.

- Review of the milestone drawing submittals for the surface water transmission system segments and SWRF as well as general coordination on construction-related issues remained the primary focus of the

**Construction Management and Inspection (CM&I)** consultant's efforts this month. The CM&I also continued to work with the respective "W" segment design consultants and support the GRP Program Team in traffic control planning efforts with Montgomery County officials.

- Along with the SWF construction, the **Construction Administration and Inspection (CA&I)** consultant's services geared up this month. The CA&I consultant is responsible for administering the CMAR's contract, providing daily inspection of the SWF construction and facilitating communication between the CMAR and SWF design consultants. These efforts will continue through the SWF construction.



Dredging activity near bulkhead at west end of dam



Trackhoe on barge near bulkhead at west end of dam, preparing for transport to RWI site



## 3.0 PROCUREMENT

This month the GRP Program Team continued to develop required GRP Program and GRP Project scopes of work for design and consultation services, and construction contract packages. Current solicitations, contract negotiations and awards, and a look ahead are included in this section.

### 3.1 Solicitations

The GRP Program Team is developing, has made available, received bids/proposals/Statements of Qualifications (SOQs), and/or selected a firm for award on the following solicitations this month:

- Early Work Package No. 3:** Proposals were received on September 13, 2012 and are currently being reviewed and evaluated by the CMAR and GRP Program Team. Work category recommendations and the associated amendment to the CMAR's contract are scheduled to be presented to the GRP Review Committee for consideration at its October 29, 2012 meeting and SJRA Board of Directors for consideration at its November 8, 2012 meeting.
- SWF Site Access Road Asphalt Overlay:** A Request for Bids (RFB) was issued on September 24, 2012 and bids will be received on October 15, 2012. The received bids will be reviewed and tabulated, and a recommendation of award is scheduled to be made to the GRP Review Committee for consideration at its October 29, 2012 meeting and SJRA Board of Directors for consideration at its November 8, 2012 meeting.

### 3.2 Contract Awards

As the SJRA Board of Directors did not hold a meeting in September, no contracts were awarded this month.

### 3.3 Process and Procedures

There were no significant changes to the procurement process or procedures this month. The GRP Program continues to utilize traditional and alternative project delivery methods in the procurement of consultant and contractor services.

### 3.4 Look Ahead

The following table provides a very general look ahead at known and anticipated GRP Program professional services and construction contractor solicitations and contract awards. Solicitations may be combined, modified, or canceled and indicated dates or time frames may be modified as deemed necessary.

PROJECT/SERVICES	PURPOSE	ADVERTISEMENT/ NEGOTIATION	BOARD MEETING
METES & BOUNDS PREPARATION	METES & BOUNDS FOR EASEMENT ACQUISITION FOR TRANSMISSION SYSTEM SEGMENT W4	SEPTEMBER 2012; WORK ORDER	OCTOBER 11, 2012
PROFESSIONAL SERVICES	PROFESSIONAL SERVICES DURING FINAL DESIGN AND CONSTRUCTION	SEPTEMBER 2012; WORK ORDER	OCTOBER 11, 2012
SURFACE WATER TREATMENT PLANT FINAL DESIGN	AMENDMENT NO. 1 TO WORK ORDER NO. 13 FOR ALTERNATIVE PROCESS BLOWERS DESIGN	SEPTEMBER 2012; WORK ORDER AMENDMENT	OCTOBER 11, 2012
STAKING, RECORD DRAWINGS, SURVEY	STAKING, RECORD DRAWINGS AND OTHER SURVEY SERVICES FOR TRANSMISSION SYSTEM SEGMENT T1	SEPTEMBER 2012; WORK ORDER	OCTOBER 11, 2012
ABSTRACTING AND TITLE RESEARCH	CONTINUED ABSTRACTING AND TITLE RESEARCH FOR LAND/EASEMENT ACQUISITION	SEPTEMBER 2012	OCTOBER 11, 2012
PROFESSIONAL SERVICES	AMENDMENT NO. 1 TO PSA FOR PROFESSIONAL LAND ACQUISITION SERVICES	SEPTEMBER 2012; PSA AMENDMENT	OCTOBER 11, 2012
TRANSMISSION SYSTEM FINAL DESIGN	AMENDMENT NO. 1 TO WORK ORDER NO. 3 FOR FINAL DESIGN OF TRANSMISSION SYSTEM SEGMENT W2	OCTOBER 2012; WORK ORDER AMENDMENT	NOVEMBER 8, 2012



### 3.0 PROCUREMENT (CONTINUED)

TABLE 3.1—GRP PROGRAM LOOK AHEAD (CONTINUED)			
PROJECT/SERVICES	PURPOSE	ADVERTISEMENT/ NEGOTIATION	BOARD MEETING
SWF SITE ACCESS ROAD ASPHALT OVERLAY	CONSTRUCTION OF ASPHALT OVERLAY OF SWF SITE ACCESS ROAD	OCTOBER 2012; CSB PDM	NOVEMBER 8, 2012
STANDPIPE DESIGN	FINAL DESIGN OF STANDPIPE FOR TRANSMISSION SYSTEM	OCTOBER 2012; WORK ORDER	NOVEMBER 8, 2012
EARLY WORK PACKAGE NO. 3	AMENDMENT NO. 3 TO CMAR CONTRACT FOR EARLY WORK PACKAGE NO. 3 FOR SWF CONSTRUCTION	OCTOBER 2012; CONTRACT AMENDMENT	NOVEMBER 8, 2012
CONSTRUCTION MATERIALS TESTING (CMT)	CMT SERVICES FOR EARLY WORK PACKAGE NO. 3	OCTOBER 2012; WORK ORDER	NOVEMBER 8, 2012
SWTP CONSTRUCTION PHASE SERVICES	CONSTRUCTION PHASE SERVICES FOR THE SWTP	OCTOBER 2012; WORK ORDER	NOVEMBER 8, 2012
CORROSION PROTECTION CONSTRUCTION PHASE SERVICES	CONSTRUCTION PHASE SERVICES RELATED TO CORROSION PROTECTION	OCTOBER 2012; WORK ORDER	NOVEMBER 8, 2012
SURFACE WATER TREATMENT PLANT FINAL DESIGN	FINAL DESIGN SUPPLEMENTAL SERVICES FOR THE SWTP	OCTOBER 2012; WORK ORDER	NOVEMBER 8, 2012
TEXAS GAS PIPELINE COMPANY RELOCATION AGREEMENT	AGREEMENT TO RELOCATE EXISTING PIPELINE ALONG TRANSMISSION SYSTEM SEGMENT T3	OCTOBER 2012; AGREEMENT	NOVEMBER 8, 2012
CONSTRUCTION MANAGEMENT & INSPECTION (CM&I)	CM&I SERVICES DURING CONSTRUCTION PHASE OF TRANSMISSION SYSTEM	NOVEMBER 2012; WORK ORDER	DECEMBER 13, 2012
RWI&PS COMPUTER MAINTENANCE MANAGEMENT SYSTEM (CMMS) AND OPERATION & MAINTENANCE (O&M) MANUAL	POPULATION OF CMMS AND DEVELOPMENT OF O&M MANUAL FOR RWI&PS	NOVEMBER 2012; WORK ORDER	DECEMBER 13, 2012

TABLE 3.1—GRP PROGRAM LOOK AHEAD (CONTINUED)			
PROJECT/SERVICES	PURPOSE	ADVERTISEMENT/ NEGOTIATION	BOARD MEETING
SWTP CMMS AND O&M MANUAL	POPULATION OF CMMS AND DEVELOPMENT OF O&M MANUAL FOR SWTP	NOVEMBER 2012; WORK ORDER	DECEMBER 13, 2012
HSPS AND GSTS CMMS AND O&M MANUAL	POPULATION OF CMMS AND DEVELOPMENT OF O&M MANUAL FOR HSPS AND GSTS	NOVEMBER 2012; WORK ORDER	DECEMBER 13, 2012
STORMWATER POLLUTION PREVENTION PLAN (SWPPP)	DEVELOPMENT AND IMPLEMENTATION OF A SWPPP FOR THE GRP PROGRAM	NOVEMBER 2012; PSA AND WORK ORDER	DECEMBER 13, 2012
CONSOLIDATED COMMUNICATION RELOCATION AGREEMENT	AGREEMENT TO RELOCATE EXISTING COMMUNICATION LINES ALONG TRANSMISSION SYSTEM SEGMENT T2	NOVEMBER 2012; AGREEMENT	DECEMBER 13, 2012
CITY OF OAK RIDGE NORTH INTERLOCAL AGREEMENT	AGREEMENT FOR CITY OF OAK RIDGE NORTH TO CONSTRUCT PORTION OF TRANSMISSION SYSTEM SEGMENT W3	NOVEMBER 2012; AGREEMENT	DECEMBER 13, 2012
STOECKER MANAGEMENT (WOODLANDS OAKS UTILITY DISTRICT) AGREEMENT	AGREEMENT TO RELOCATE EXISTING SANITARY FORCE MAIN ALONG TRANSMISSION SYSTEM SEGMENT T3	NOVEMBER 2012; AGREEMENT	DECEMBER 13, 2012
RAYFORD ROAD MUD INTERLOCAL AGREEMENT	AGREEMENT FOR RAYFORD ROAD MUD TO PERFORM FINAL DESIGN AND CONSTRUCT MODIFICATIONS AT ITS SWRF	NOVEMBER 2012; AGREEMENT	DECEMBER 13, 2012
CONSTRUCTION MATERIALS TESTING (CMT)	CMT SERVICES FOR TRANSMISSION SYSTEM	TBD; WORK ORDER	TBD



## 4.0 COST REPORT AND FINANCIAL CONSIDERATIONS

### 4.1 GRP Program and GRP Project CIP Budget(s)

Through this month, the GRP Program remains under its \$500,000,000.00 Capital Improvement Project (CIP) Program planning budget and forecasts continue to indicate it will be completed under budget (see also subsection 4.6 and Exhibit 7). A summary of the GRP Program's CIP budget and cost considerations as reported to the GRP Review Committee and the SJRA Board of Directors is provided as attached Exhibit 3.

A summary of the SJRA GRP Division's Fiscal Year 2012 (FY12) operating budget (revenue and expenditures) is provided as Exhibit 4, which concludes August 31, 2012. Fiscal Year 2013 (FY13) began September 1, 2012. Exhibit 4 will be updated next month for the FY13 budget approved by the GRP Review Committee and the SJRA Board of Directors at their respective August 2012 meetings.

The GRP Program is currently operating under the SJRA Board of Director's authorized CIP budget of \$347,400,358.49 (net - \$317,263,643.04). The funding available in the CIP budget allows the SJRA to secure all of the resources required to perform professional services, construction services, and procure long lead time equipment during the design phase of the GRP Program.

### 4.2 Financial Report

Funding sources presently applied towards the GRP Program CIP budget include the TWDB's Water Infrastructure Fund (WIF; \$21,500,000.00 [gross]; \$21,029,662.92 [net]), the sale of open market Special Project Revenue Bonds, Series 2011 (\$83,430,358.49 [gross]; \$73,522,352.58 [net]), and TWDB "D" Funds, Series 2011A (\$67,470,000.00 [gross]; \$61,552,571.67 [net]) and Series 2012 (\$175,000,000.00 [gross]; \$161,159,055.87 [net]). Approved funding to-date represents approximately 63.5% of the planned \$500,000,000.00 Program budget. The GRP Program's funding, contracted commitments, and forecasted expenditures are summarized in Table 4.1 and further detailed in attached Exhibits 5A, 5B and 6.

Please note that financial reports do not include investment income.

**TABLE 4.1 - GRP PROGRAM FUNDING AND CONTRACTED COMMITMENTS SUMMARY**

	PREVIOUS (THRU 8/31/12)	SEPTEMBER 2012
A. APPROVED FUNDING	\$347,400,358.49	
B. AVAILABLE FUNDING AFTER COSTS	\$317,263,643.04	\$317,263,643.04
C. APPROVED CONTRACTS	\$119,240,730.97	\$567,747.80
D. PROJECT CLOSE OUT	\$524,571.06	\$75.24
E. UNCONTRACTED FUNDING (B - C + D; B SEPT - C - C SEPT + D + D SEPT)	\$198,547,483.13	\$197,979,810.57
F. INVOICED	\$51,924,672.30	\$187,165.47
G. REMAINING FUNDS (B - F; B - F - F SEPT)	\$265,338,970.74	\$265,151,805.27

### 4.3 Invoices/Applications for Payment

GRP Program level and GRP Project level consultant Invoices and/or construction contractor Applications for Payment received through October 10, 2012 are represented in the above table (Item F, Sept 2012). A detailed breakdown of consultant invoices and/or construction contractor pay applications received for services performed this month appears in Table 4.2.

**TABLE 4.2 - GRP PROGRAM CONSULTANT INVOICE AND CONTRACTOR PAY APPLICATION SUMMARY**

	PREVIOUS (THRU 8/31/12)	SEPTEMBER 2012
ENGINEERING & SPECIALTY CONSULTANT (PROGRAM)	\$11,764,647.65	\$134,952.44
ENGINEERING & SPECIALTY CONSULTANT (PROJECT)	\$31,946,708.68	\$42,847.23
CONSTRUCTION CONTRACTOR / CMAR	\$8,213,315.97	\$9,365.80
TOTALS:	\$51,924,672.30	\$187,165.47



## 4.0 COST REPORT AND FINANCIAL CONSIDERATIONS (CONTINUED)

### 4.4 Contract Amendments and Change Orders

Two (2) change orders were executed by the SJRA General Manager this month. Further details are included in Exhibit 11.

### 4.5 Claims

No claims were identified this month.

### 4.6 CIP Cash Flow

The GRP Program CIP cash flow through SJRA FY2015 reflects known expenditures through September 2012 and estimates for future expenditures were updated this month. All active and currently identified future GRP Program Projects and initiatives are included in the cash flow. A graph of forecasted monthly expenditures from the referenced cash flow is attached as Exhibit 7.

### 4.7 CIP Budget Estimates at Completion

#### **4.7.1 GRP Program**

The **total gross funds** (including capitalized interest) required to execute Phase I of the GRP Program are currently estimated at \$562,400,358.49.

#### **4.7.2 GRP Projects**

The GRP Program Projects remained within their approved contract budgets through this month. Exhibit 8 indicates each active GRP Program Project and GRP Program contract forecasted estimate at completion (EAC). Additionally, all current GRP Program contracts, including their respective SJRA Board of Directors approved budgeted amounts and percents complete, are listed in Exhibit 2.

### 4.8 Land Acquisition

Steady progress continued this month for the GRP Program Team in its land acquisition efforts. Metes & bounds description preparation is nearing completion and acquisition efforts are underway on many parcels across the surface water transmission system. In September 2012, nineteen (19) easements were acquired along Segments T1 and W3. A cumulative summary of easement acquisition activity is provided in attached Exhibit 9.

## 5.0 QUALITY ASSURANCE

### *Final Design*

This month's QA activity associated with final design deliverables produced by the engineering consultants is as follows:

1. **Schaumburg & Polk (C2)** - GRP Program Team review of the 60% drawings was completed and comments were provided to the design consultant.
2. **Kimley-Horn (C3)** - GRP Program Team review of the 60% drawings was completed and comments were provided to the design consultant.
3. **R.G. Miller (C4)** - 90% drawings were submitted and are currently under review by the GRP Program Team.
4. **Jones & Carter (T1)** - 90% drawings were submitted for review by the GRP Program Team. Review was completed and comments were provided to the design consultant.
5. **Klotz (T2)** - 90% drawings were submitted and are currently under review by the GRP Program Team.
6. **Espey (T3)** - GRP Program Team review of the 60% drawings was completed and comments were provided to the design consultant.
7. **Lockwood, Andrews & Newnam (W1B)** - 90% drawings were submitted and are currently under review by the GRP Program Team.
8. **Binkley & Barfield (W2A)** - GRP Program Team review of the 60% drawings was completed and comments were provided to the design consultant.
9. **Binkley & Barfield (W2B)** - 60% drawings were submitted and are currently under review by the GRP Program Team.
10. **LJA (W4)** - GRP Program Team review of the 60% drawings was completed and comments were provided to the design consultant.
11. **EMA (Fiber Optic System)** - 60% drawings are currently under review by the GRP Program Team.

As final design continues and milestone submittals are received, the GRP Program Team will review and provide comments, as applicable to each submittal. The review will be based on submittal compliance with the GRP Program's Design Standards and Criteria Manual, completeness per Program Management Plan (PMP) Section 14.0 – Quality Management and PMP Section 21.0 – Design Management, and general project understanding.

### *Quality Assurance (QA) Audits*

QA audits have been completed on all design consultants with the exception of HDR, which is scheduled for October 9, 2012. The GRP Program Team may conduct a second QA Audit later in final design or during the construction phase to confirm continued compliance with GRP Program quality standards and requirements.



### *Pre-Construction*

Constructability reviews by the CM&I consultant and GRP Program Transmission System Construction Manager continued this month on milestone drawings submittals for the surface water transmission system. Reviews were completed on the 60% drawings for Segments C2, C3, T3, W2A and W4 and the 90% drawings for Segment T1. Review began on 60% drawings for W2B and 90% drawings for T2, W1B and C4.

### *Construction*

Quality assurance efforts by the SJRA Construction Inspectors as well as the SWF CA&I consultant continued this month with the beginning of SWF construction. Efforts included regular visits to the project site to monitor and document observed progress and confirm compliance with the construction contract. Similar quality assurance efforts by the SJRA Construction Inspectors and CM&I consultant for the SWRF and surface water transmission system will commence with the beginning of construction on those respective projects.

## 6.0 EXHIBITS

Exhibit 1 - GRP Program Schedule

Exhibit 2 - Selected GRP Program Contracts

Exhibit 3 - Monthly GRP Program Financing Report

Exhibit 4 - GRP Unaudited Schedule of Revenues & Expenses - Actual & Budget and Clarification of Actual & Budget Variances

Exhibit 5A - GRP Program Capital Improvements Program Estimate-to-Complete

Exhibit 5B - GRP Program Fund Data

Exhibit 6 - Funding Source Summary

Exhibit 7 - GRP Monthly Forecasted Expenditures for Contracted Services

Exhibit 8 - Estimate at Completion (EAC) for Current Authorizations

Exhibit 9 - Land Acquisition Summary

Exhibit 10 - GRP Program Monthly Meeting Log

Exhibit 11 - GRP Amendments and Change Orders

Exhibit 12 - Construction Photos











## Exhibit 2

### Selected GRP Program Contracts

### September 30, 2012

GRP Program Projects - Design										
Engineering Consultant	Project Name	PER Fee	Percent Complete	Metes & Bounds Fee	Percent Complete	Final Design Fee	Percent Complete	CPS Fee	Percent Complete	Engineer's Construction Cost Estimate
Jones & Carter	Transmission Segment T1	\$ 923,031	100%	*		\$ 975,317	85%			\$ 17,601,600
Klotz	Transmission Segment T2	\$ 623,565	100%	\$ 170,848	95%	\$ 819,546	87%			\$ 21,144,480
Espey	Transmission Segment T3	\$ 553,123	100%	\$ 146,847	95%	\$ 855,184	83%			\$ 16,078,764
Lockwood, Andrews, Newnan	Transmission Segment W1	\$ 920,621	100%	\$ 172,484	100%	\$ 1,086,983	75%			\$ 18,896,278
Binkley & Barfield, Inc.	Transmission Segment W2	\$ 956,154	100%	\$ 31,977	39%	\$ 1,360,807	74%			\$ 22,968,000
Cobb Fendley	Transmission Segment W3	\$ 1,161,967	100%	\$ 535,228	75%	\$ 1,555,247	75%			\$ 18,932,655
LJA	Transmission Segment W4	\$ 364,730	100%	*		\$ 528,856	60%			\$ 6,823,480
Dannenbaum	Transmission Segment C1	\$ 332,300	100%	*		\$ 490,523	40%			\$ 7,250,868
Schaumburg & Polk	Transmission Segment C2	\$ 1,003,246	100%	\$ 309,980	70%	\$ 685,068	65%			\$ 9,622,636
Kimley-Horn	Transmission Segment C3	\$ 490,286	100%	\$ 159,740	60%	\$ 616,103	60%			\$ 7,790,000
R.G. Miller	Transmission Segment C4	\$ 217,507	100%	\$ 18,016	50%	\$ 281,449	87%			\$ 3,805,640
Malcolm Pirnie	Receiving Facilities	\$ 598,651	100%	*		\$ 1,209,451	65%			\$ 11,225,000

\*Metes and bounds efforts are included in the final design survey work order.



## Exhibit 2

### Selected GRP Program Contracts

### September 30, 2012

GRP Program Projects - Design										
Engineering Consultant	Project Name	PER Fee	Percent Complete	Metes & Bounds Fee	Percent Complete	Final Design Fee	Percent Complete	CPS Fee	Percent Complete	Engineer's Construction Cost Estimate
HDR, Inc.	Water Treatment Plant	\$ 3,079,273	100%			\$ 7,694,130	70%			\$ 135,000,000
AECOM, Inc.	High Service Pump Station	\$ 1,072,948	100%			\$ 2,047,461	100%	\$ 940,719.00	1%	\$ 39,960,000
Freese and Nichols, Inc.	Raw Water Intake and Pump Station	\$ 1,138,540	100%			\$ 1,523,752	100%	\$ 810,800.00	1%	\$ 21,000,000
ACES	Access Rd. & San. Swr. Relocation; Temp. SWF Access Rd.					\$ 435,000	100%	\$ 50,000.00	58%	\$ 577,000; \$ 1,500,000
EMA, Inc.	Fiber Optic System	\$ 161,390	100%			\$ 279,899	65%			\$ 5,364,000
<b>TOTALS</b>		<b>\$ 13,597,332</b>	<b>-</b>	<b>\$ 1,545,120</b>	<b>-</b>	<b>\$ 22,444,776</b>	<b>-</b>	<b>\$ 1,801,519</b>	<b>-</b>	<b>\$ 365,540,401</b>



## Exhibit 2

### Selected GRP Program Contracts

### September 30, 2012

GRP Program Consultant Contracts			
Engineering Consultant	Program Consultant Service	Total Fee of Work Orders	Percent Complete
Brown & Gay Engineers	Program Management	\$ 9,056,943	80%
Raba Kistner	Geotechnical	\$ 145,260	50%
LandTech	Survey	\$ 514,524	87%
Halff	Environmental	\$ 569,919	100%
Property Acquisition Services	Land Acquisition	\$ 1,413,335	37%
V&A	Cathodic Protection	\$ 511,978	48%
KDM	Land Acquisition	\$ 401,593	31%
Andrews Kurth	Legal	\$ 1,800,000	48%
Mike Bellar	Legal	\$ 100,000	25%
Brown & Caldwell	CMAR Contract Development Assistance	\$ 78,202	100%
Greenburg Traurig	Legal	\$ 200,000	48%
AECOM	Transient	\$ 311,400	85%
KBR	CM&I	\$ 533,433	58%
CDM	CA&I	\$ 5,348,633	1%
<b>Total</b>		<b>\$ 15,636,586</b>	



## Exhibit 2

### Selected GRP Program Contracts

### September 30, 2012

GRP Program Projects - Construction			
Construction Project	Construction Contractor	Contract Amount	Percent Complete
GRP Building No. 1	Brookstone	\$ 2,008,673	100%
GRP Temporary Access Road	Lindsey Construction	\$ 977,584	100%
Aqua Texas Sanitary Sewer and Road Relocation	Randy Roan	\$ 525,756	100%
GRP Building No. 1 Fiber Line	Preferred Technologies	\$ 231,158	100%
McCarthy	CMAR	\$ 42,874,840	33%
CMT Early Work Package #2	Geotest	\$ 740,985	7%
<b>Total</b>		<b>\$ 47,358,995</b>	



## Exhibit 3

# Monthly GRP Program Financing Report

### Fiscal Year 2012

Through September 30, 2012

	WIF Funds	2011 Special Projects Revenue Bonds	TWDB 2011 'D' Fund	2012 Special Projects Revenue Bonds	Totals
<b>A. Program Budget</b>					
Bond Issue Amount	\$ 21,500,000.00	\$ 83,430,358.49	\$ 67,470,000.00	\$ 175,000,000.00	\$ 347,400,358.49
<b>Total Investment</b>	<b>\$ 21,500,000.00</b>	<b>\$ 83,430,358.49</b>	<b>\$ 67,470,000.00</b>	<b>\$ 175,000,000.00</b>	<b>\$ 347,400,358.49</b>
<b>B. Contracted Costs</b>					
Contracts Completed	\$ 14,833,881.40	\$ 10,174,413.55	\$ -	\$ -	\$ 25,008,294.95
Current Contract Values	\$ 6,177,620.44	\$ 38,632,964.20	\$ 17,173,227.35	\$ 32,528,047.00	\$ 94,511,858.99
Change Orders	\$ -	\$ 288,324.83			\$ 288,324.83
Project Close Out	\$ (197,419.18)	\$ (327,227.12)			\$ (524,646.30)
<b>Total</b>	<b>\$ 20,814,082.66</b>	<b>\$ 48,768,475.46</b>	<b>\$ 17,173,227.35</b>	<b>\$ 32,528,047.00</b>	<b>\$ 119,283,832.47</b>
<b>C. Expenditures</b>					
Paid Previous Fiscal Years	\$ 19,966,012.81	\$ 24,949,084.37	\$ 478,705.50	\$ -	\$ 45,393,802.68
Paid Current Fiscal Year	\$ 81,522.63	\$ 3,512,003.38	\$ 500,456.91	\$ 2,538,261.00	\$ 6,632,243.92
Issuance Costs	\$ 470,337.08	\$ 2,049,764.39	\$ 751,195.33	\$ 971,769.13	\$ 4,243,065.93
Capitalized Interest	\$ -	\$ 7,858,241.52	\$ 5,166,233.00	\$ 12,869,175.00	\$ 25,893,649.52
<b>Total</b>	<b>\$ 20,517,872.52</b>	<b>\$ 38,369,093.66</b>	<b>\$ 6,896,590.74</b>	<b>\$ 16,379,205.13</b>	<b>\$ 82,162,762.05</b>
<b>D. Remaining</b>					
Uncontracted Funds	\$ 215,580.26	\$ 24,753,877.12	\$ 44,379,344.32	\$ 128,631,008.87	\$ 197,979,810.57
Fund Balance *	\$ 982,127.48	\$ 45,061,264.83	\$ 60,573,409.26	\$ 158,620,794.87	\$ 265,237,596.44

**Exhibit 4**  
**San Jacinto River Authority**  
**Groundwater Reduction Plan**  
**Schedule of Revenues & Expenses - Actual & Budget**  
**For the Twelve Months Ending August 31, 2012**

	August			Year To Date			
	Actual	Budget	Variance	Actual	Budget	Variance	% Variance
<b>OPERATING REVENUES</b>							
Water sales							
GRP pumping fees	\$ 1,656,776	\$ 1,055,686	\$ 601,090	\$ 14,814,666	\$ 13,705,329	\$ 1,109,337	8.09%
<b>TOTAL OPERATING REVENUES</b>	<b>1,656,776</b>	<b>1,055,686</b>	<b>601,090</b>	<b>14,814,666</b>	<b>13,705,329</b>	<b>1,109,337</b>	<b>8.09%</b>
<b>OPERATING EXPENSES</b>							
Payroll & employee benefit expenses	201,383	229,792	28,409	1,817,848	2,905,122	1,087,275	37.43%
Professional fees	312,903	18,908	(293,995)	338,811	550,450	211,639	38.45%
Purchased & contracted services	28,217	27,717	(500)	136,409	386,100	249,691	64.67%
Supplies, materials & utilities	61,195	17,735	(43,461)	1,819,095	2,437,770	618,675	25.38%
Maintenance repairs, parts & rentals	5,782	1,167	(4,615)	20,377	14,000	(6,377)	(45.55%)
General & administration	123,576	84,440	(39,136)	753,896	1,013,279	259,383	25.60%
<b>TOTAL OPERATING EXPENSES</b>	<b>733,058</b>	<b>379,759</b>	<b>(353,298)</b>	<b>4,886,436</b>	<b>7,306,721</b>	<b>2,420,285</b>	<b>33.12%</b>
<b>NON-OPERATING REVENUES &amp; EXPENSES</b>							
Investment Income	251,934	15,410	236,523	686,862	184,924	501,938	271.43%
Other revenues				1,474		1,474	100.00%
Depreciation	(116,878)		(116,878)	(154,230)		(154,230)	100.00%
Interest expense	(1,040,923)	(1,748,094)	707,171	(7,208,592)	(6,544,410)	(664,182)	10.15%
Amortized debt issuance expense	(14,538)		(14,538)	(127,652)		(127,652)	100.00%
<b>TOTAL NON-OPERATING</b>	<b>(920,406)</b>	<b>(1,732,684)</b>	<b>812,278</b>	<b>(6,802,138)</b>	<b>(6,359,486)</b>	<b>(442,652)</b>	<b>6.96%</b>
<b>NET INCOME (LOSS)</b>	<b>\$ 3,312</b>	<b>\$ (1,056,757)</b>	<b>\$ 1,060,070</b>	<b>\$ 3,126,091</b>	<b>\$ 39,122</b>	<b>\$ 3,086,969</b>	<b>7890.62%</b>

**Exhibit 4**  
**GRP Division**  
**Clarification of Actual & Budget Variances**  
(in thousands)

Category	Driver	June 2012	July 2012	FYTD 2012
GRP Pumping Fees	Usage variance due to weather conditions.	466	303	508
Payroll and related expenses	Budgeted positions not filled per schedule.	89	109	1,059
	Legal expenses less than budgeted.	10	3	362
Professional Fees	Staffing Services expenses less than budgeted, driven by positions not being filled as scheduled.	2	2	144
Purchased & Contracted Services	Recruiting expenses not incurred that were anticipated.	2	24	250
Supplies, Materials, Utilities, Maintenance, Repairs, Parts & Rentals	Additional Water Supply, costs not realized.	-	-	500
	Reservation Fees 2011 true-up	-	-	82
	Travel, fuel, office supplies, phones, utilities, and misc. expenses less than budgeted.	8	5	78
General & Administration	Allocated labor and related expenses less than budgeted, anticipated a quicker rate of growth than has been actualized.	(80)	26	299
Non-Operating	Bond interest expense, budget strategy adjusted for FY13	(893)	(923)	(1,255)
		<u>(395)</u>	<u>(452)</u>	<u>2,027</u>

## Exhibit 5A

### GRP Program Capital Improvements Program Estimate-At-Completion

SERVICES	ESTIMATE-AT-COMPLETION
<b>Pre-Engineering Phase Services</b>	<b>\$ 4,676,398</b>
(GRP Development, Environmental Studies, Pilot Plant, Surface Water Treatment Plant Site Survey)	
<b>Engineering Phase Services</b>	<b>\$ 41,811,720</b>
(Planning, Preliminary Engineering, Final Engineering, Geotechnical, Survey, Metes & Bounds, Subsurface Utility Investigation, Environmental)	
<b>Construction Phase Services</b>	<b>\$ 35,789,707</b>
(Early Equipment Procurement, Engineering Services During Construction, Construction Management & Inspection [Transmission System], Construction Administration & Inspection [SWF], Material Testing)	
<b>Construction</b>	<b>\$ 381,863,643</b>
(Surface Water Transmission System, Raw Water Intake and Pump Station, Surface Water Treatment Plant, High Service Pump Station and Ground Storage Tanks, Surfacewater Receiving Facilities, Infrastructure, Buildings, Roadways, Site Security, Access Roadways)	
Transmission Segment C1 - Construction	\$ 7,250,868
Transmission Segment C2 - Construction	\$ 9,622,636
Transmission Segment C3 - Construction	\$ 7,790,000
Transmission Segment C4 - Construction	\$ 3,805,640
Transmission Segment T1 - Construction	\$ 17,601,600
Transmission Segment T2 - Construction	\$ 21,144,480
Transmission Segment T3 - Construction	\$ 16,078,764
Transmission Segment W1 - Construction	\$ 18,896,278
Transmission Segment W2 - Construction	\$ 22,968,000
Transmission Segment W3 - Construction	\$ 18,932,655
Transmission Segment W4 - Construction	\$ 6,823,480
Receiving Facilities - Construction	\$ 14,369,200
SWF Work Package No. 2	\$ 32,528,047
SWF Work Package No. 3	\$ 47,456,718
SWF Work Package No. 4 (GMP)	\$ 100,668,442
Transmission System Fiber Optic - Construction	\$ 5,364,000
Permanent Access Roadway Construction	\$ 8,000,000
Building No. 1; Access Road; Vegetative Buffer; Construction Materials Testing; SWF Site Vegetation Management; Sanitary Sewer/Access Rd. Relocation <sup>(1)</sup>	\$ 4,269,589
Other Offsite Construction (Stand Pipe, Transmission Line Utility Relocations, Receiving Facility Improvements) <sup>(1)</sup>	\$ 9,875,000
Non-Project Specific Contingency	\$ 8,418,247
<b>Program Management</b>	<b>\$ 12,244,631</b>
(GRP Program Management, Survey, Geotechnical, Transient, Corrosion, Legal Consultants)	
<b>Land Acquisition</b>	<b>\$ 12,244,721</b>
(Legal, Appraisal, Title Research, Land Acquisition Consultants) <sup>(2)</sup>	
<b>Total:</b>	<b>\$ 488,630,820</b>

Bond issuance costs are not included.

<sup>(1)</sup> Costs other than transmission and surface water facilities now separated into two categories

<sup>(2)</sup> Includes revisions to land acquisition cost estimates and recategorizing of contingency.



## Exhibit 5B GRP Program Fund Data November 5, 2012

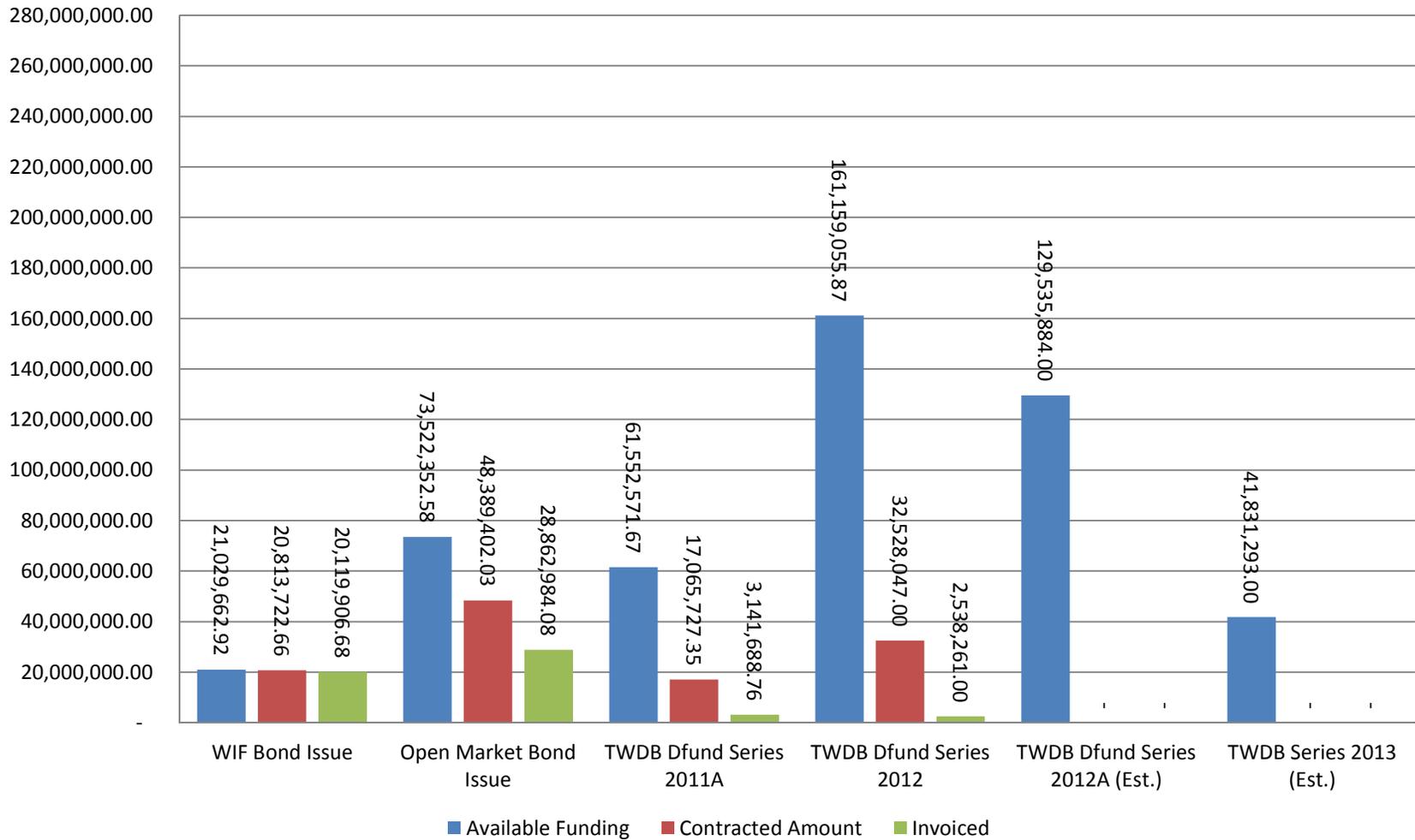
Funding Source	Amount Authorized by Board To-Date	Interest Rate	Bond Costs	Capitalized Interest	Debt Service Reserve Fund	Amount Currently Available	Pending Funding Source	Invoiced To-Date	Remaining Amount
WIF Bond Issue	\$ 21,500,000.00	.854% - 2.706%	\$ 470,337.08			\$ 21,029,662.92		\$ 20,119,906.68	\$ 909,756.24
Open Market Bond Issue	\$ 83,430,358.49	3% - 5.25%	\$ 2,049,764.39	\$ 7,858,241.52		\$ 73,522,352.58		\$ 30,059,698.04	\$ 43,462,654.54
TWDB Dfund Series 2011A	\$ 67,470,000.00	1.22% - 4.97%	\$ 751,195.33	\$ 5,166,233.00		\$ 61,552,571.67		\$ 3,374,694.15	\$ 61,552,571.67
TWDB Dfund Series 2012	\$ 175,000,000.00	1.17% - 4.62%	\$ 971,769.13	\$ 12,869,175.00		\$ 161,159,055.87		\$ 4,064,006.75	\$ 161,159,055.87
TWDB Dfund Series 2012A (Pending)	\$ 165,000,000.00	1.26% - 4.62%	\$ 961,910.00	\$ 14,139,669.00	\$ 20,362,537.00	\$ -	\$ 129,535,884.00	\$ -	\$ 129,535,884.00
TWDB Series 2013 (Est.)	\$ 50,000,000.00	4.73%	\$ 679,500.00	\$ 4,358,678.00	\$ 3,130,529.00	\$ -	\$ 41,831,293.00	\$ -	\$ 41,831,293.00
<b>Totals</b>	<b>\$ 562,400,358.49</b>		<b>\$ 5,884,475.93</b>	<b>\$ 44,391,996.52</b>	<b>\$ 23,493,066.00</b>	<b>\$ 317,263,643.04</b>	<b>\$ 171,367,177.00</b>	<b>\$ 57,618,305.62</b>	<b>\$ 438,451,215.32</b>

Notes:

1. These value do not include investment income.
2. Red items are estimates only.
3. Series 2011 bond costs include \$681,132.45 for bond insurance and \$459,709.50 for underwriter's discount.
4. The Series 2012A Bonds were sold at SJRA's October 11, 2012 board meeting and the anticipated closing date is November 15, 2012.



## Exhibit 6 Funding Source Summary November 5, 2012





## Exhibit 7 GRP Program Monthly Forecasted Expenditures for Contracted Services November 5, 2012





## Exhibit 8

### Estimate at Completion (EAC) for Current Authorizations

### September 30, 2012

#### Surface Water Transmission System

Project	Firm	Amount Authorized by Board	Board Authorized Modifications		Forecasted Modification Amount	Estimate at Completion (EAC)
			Dollars	%		
T1	Jones & Carter	\$ 1,898,348.00		0.0%		\$ 1,898,348.00
T2	Klotz	\$ 1,613,958.55		0.0%		\$ 1,613,958.55
T3	Espey	\$ 1,555,154.42		0.0%		\$ 1,555,154.42
W1	LAN	\$ 2,180,088.40		0.0%		\$ 2,180,088.40
W2	Binkley & Barfield	\$ 2,348,938.04		0.0%		\$ 2,348,938.04
W3	Cobb Fendley	\$ 3,252,441.50		0.0%		\$ 3,252,441.50
W4	LJA	\$ 779,420.28	\$ 17,574.56	2.3%		\$ 796,994.84
C1	Dannenbaum	\$ 822,823.00		0.0%		\$ 822,823.00
C2	Schaumburg & Polk	\$ 1,790,745.97	\$ 207,547.98	11.6%		\$ 1,998,293.95
C3	Kimley-Horn	\$ 1,234,193.44	\$ 32,307.28	2.6%		\$ 1,266,500.72
C4	R.G. Miller	\$ 516,971.97		0.0%		\$ 516,971.97
WRFs	Malcolm Pirnie/Arcadis	\$ 1,808,102.00		0.0%		\$ 1,808,102.00
CM&I	KBR	\$ 533,432.62		0.0%		\$ 533,432.62
<b>Subtotal - Surface Water Transmission System</b>		<b>\$ 20,334,618.19</b>	<b>\$ 257,429.82</b>	<b>1.3%</b>	<b>\$ -</b>	<b>\$ 20,592,048.01</b>

#### Surface Water Facilities

Project	Firm	Amount Authorized by Board	Board Authorized Modifications		Forecasted Modification Amount	Estimate at Completion (EAC)
			Dollars	%		
WTP	HDR	\$ 13,623,992.21	\$ 271,719.00	2.0%		\$ 13,895,711.21
HSPS	AECOM	\$ 4,324,402.56		0.0%		\$ 4,324,402.56
RWI&PS	Freese and Nichols	\$ 3,742,761.35		0.0%		\$ 3,742,761.35
CMAR	McCarthy	\$ 42,874,840.00		0.0%		\$ 42,874,840.00
CA&I	CDM	\$ 5,348,633.00		0.0%		\$ 5,348,633.00
<b>Subtotal - Surface Water Facilities</b>		<b>\$ 69,914,629.12</b>	<b>\$ 271,719.00</b>	<b>0.4%</b>	<b>\$ -</b>	<b>\$ 70,186,348.12</b>



## Exhibit 8

### Estimate at Completion (EAC) for Current Authorizations

### September 30, 2012

#### Program Consultant Services & Other Projects

Project	Firm	Amount Authorized by Board	Board Authorized Modifications		Forecasted Modification Amount	Estimate at Completion (EAC)
			Dollars	%		
Prog Mgmt	Brown & Gay	\$ 9,056,943.21		0.0%		\$ 9,056,943.21
Prog Survey	Landtech	\$ 514,524.00		0.0%		\$ 514,524.00
Prog Geo	Raba Kistner	\$ 145,260.00		0.0%		\$ 145,260.00
Prog Tran	AECOM	\$ 161,400.00	\$ 150,000.00	92.9%		\$ 311,400.00
Access Rd	ACES	\$ 434,972.13		0.0%		\$ 434,972.13
Access Rd	S&V Survey	\$ 66,875.00		0.0%		\$ 66,875.00
Land Acq	KDM	\$ 359,887.70	\$ 41,705.00	11.6%		\$ 401,592.70
Land Acq	PAS	\$ 1,413,334.88		0.0%		\$ 1,413,334.88
Prog Env	Halff	\$ 526,862.58	\$ 43,056.29	8.2%		\$ 569,918.87
Prog Fiber	EMA	\$ 441,289.00		0.0%		\$ 441,289.00
Prog Corr	V&A	\$ 511,978.00		0.0%		\$ 511,978.00
Prog Svcs & Projs	Other Program Services & Projects	\$ 2,587,354.94		0.0%		\$ 2,587,354.94
<b>Subtotal - Program Consultant Services &amp; Other Projects</b>		<b>\$ 16,220,681.44</b>	<b>\$ 234,761.29</b>	<b>1.4%</b>	<b>\$ -</b>	<b>\$ 16,455,442.73</b>

#### Construction Contracts

Project	Firm	Amount Authorized by Board	Board Authorized Modifications		Forecasted Modification Amount	Estimate at Completion (EAC)
			Dollars	%		
GRP Bldg #1	Brookstone	\$ 2,009,900.00	\$ (1,227.00)	-0.1%		\$ 2,008,673.00
Bldg #1 CMT	Aviles	\$ 48,193.60		0.0%		\$ 48,193.60
Landscape Buffer	KeyScape	\$ 87,255.00		0.0%		\$ 87,255.00
Temp Access Road	Lindsey Construction	\$ 986,431.00	\$ (8,847.15)	-0.9%		\$ 977,583.85
Access Road CMT	Terracon Consultants	\$ 12,842.50		0.0%		\$ 12,842.50
Aqua Texas Sewer	Randy Roan	\$ 516,650.50	\$ 9,106.17	1.8%		\$ 525,756.67
Aqua Texas CMT	Aviles	\$ 31,057.20		0.0%		\$ 31,057.20
Bldg #1 Fiber Line	Preferred Technologies	\$ 257,339.65		0.0%		\$ 257,339.65
SWF EWP2 CMT	Geotest	\$ 740,985.00		0.0%		\$ 740,985.00
Other	Other Construction Contracts	\$ 30,934.32		0.0%		\$ 30,934.32
<b>Subtotal - Construction Contracts</b>		<b>\$ 4,721,588.77</b>	<b>\$ (967.98)</b>	<b>0.0%</b>	<b>\$ -</b>	<b>\$ 4,720,620.79</b>

#### Totals

	Amount Authorized by Board	Board Authorized Modifications		Forecasted Modification Amount	Estimate at Completion (EAC)
		Dollars	%		
Subtotal - Surface Water Transmission System	\$ 20,334,618.19	\$ 257,429.82	1.3%	\$ -	\$ 20,592,048.01
Subtotal - Surface Water Facilities	\$ 69,914,629.12	\$ 271,719.00	0.4%	\$ -	\$ 70,186,348.12
Subtotal - Program Consultant Services & Other Projects	\$ 16,220,681.44	\$ 234,761.29	1.4%	\$ -	\$ 16,455,442.73
Subtotal - Construction Contracts	\$ 4,721,588.77	\$ (967.98)	0.0%	\$ -	\$ 4,720,620.79
<b>Total</b>	<b>\$ 111,191,517.52</b>	<b>\$ 762,942.13</b>	<b>0.7%</b>	<b>\$ -</b>	<b>\$ 111,954,459.65</b>



## Exhibit 9 Land Acquisition Summary September 30, 2012

Project	Anticipated Number of Easements to Acquire	Easements Acquired This Month	Easements Acquired Total
Transmission System Segment T1	62	6	18
Transmission System Segment T2	2	0	0
Transmission System Segment T3	12	0	0
Transmission System Segment C1	18	0	0
Transmission System Segment C2	93	0	0
Transmission System Segment C3	34	0	0
Transmission System Segment C4	3	0	0
Transmission System Segment W1	32	0	1
Transmission System Segment W2	6	0	0
Transmission System Segment W3	204	13	23
Transmission System Segment W4	7	0	0
Totals:	473	19	42



## Exhibit 10

### GRP Program Monthly Meeting Log

### September 30, 2012

Meeting	Agenda	Location	Date	Participants
Traffic Control in the Woodlands		SJRA GRP Building 1	Wednesday September 5, 2012	Montgomery County, GRP Program Team staff
Water Receiving Facilities 60% Drawing Review		SJRA Woodlands Office	Friday September 7, 2012	Malcolm Pirnie/Arcadis, Woodlands Division, GRP Program Team staff
Coordination Meeting with Consolidated Communications		SJRA GRP Building 1	Tuesday September 11, 2012	Consolidated Communications, Klotz, GRP Program Team staff
Meeting with Kinder-Morgan		SJRA GRP Building 1	Tuesday September 11, 2012	Kinder-Morgan, KBR, GRP Program Team staff
HDR CMAR Design Workshop 1	Status of TCEQ approval letters for plate settlers, GAC and GST TTHM stripping, sewer service from Conroe, sound levels from pretreatment area at property line within acceptable limits, reviewed process sampling plan	SJRA GRP Building 1	Wednesday September 12, 2012	HDR, McCarthy, GRP Program Team staff
GRP Building No. 1 Final Completion Walkthrough		SJRA GRP Building 1	Thursday September 13, 2012	Brookstone, GPR Program Team staff
C2/City of Conroe Water Plant 6 Meeting		City of Conroe Public Works Building	Thursday September 20, 2012	City of Conroe, Schaumburg & Polk, GRP Program Team staff



## Exhibit 10

### GRP Program Monthly Meeting Log

### September 30, 2012

Meeting	Agenda	Location	Date	Participants
C3/Conroe Park North Meeting		Conroe City Hall	Thursday September 20, 2012	CIDC, ACES, GRP Program Team staff
Construction Progress Meeting		SJRA GRP Building 1	Tuesday September 25, 2012	AECOM, FNI, McCarthy, CDMSmith, GRP Program Team staff
HDR CMAR Design Workshop 2	Sewer service from Conroe, plant entrance road and parking arrangement, SCADA procurement of software and hardware, blower alternate design, schedule thru 100% documents	SJRA GRP Building 1	Wednesday September 26, 2012	HDR, McCarthy, GRP Program Team staff
Monthly Northern Montgomery County GRP Program Technical Status Meeting		SJRA G&A Office	Wednesday September 26, 2012	Joint GRP Participant representatives, GRP Program Team staff
Monthly Southern Montgomery County GRP Program Technical Status Meeting		SJRA Woodlands Office	Thursday September 27, 2012	Joint GRP Participant representatives, GRP Program Team staff
Segment T2 Site Meeting with Consolidated Communications		Segment T2 Project Site	Friday September 28, 2012	Consolidated Communications, Klotz, GRP Program Team staff



## Exhibit 11

### GRP Amendments and Change Orders

### September 30, 2012

Project	Proposal Number	Modification Number	Description	Modification		Approval Date
				Amount	Days	
GRP Building No. 1 Fiber Optic Line	N/A	Preferred Technologies Change Order Number 1	Add 21 linear feet of dual 3" aluminum conduit, remove 506 linear feet of fiber optic duct bank, 9 fibert optic cable splices, 4 ground boxes, 5 square yards of cold patch asphalt repair and tree protection.	\$ (26,182)	10	9/5/2012
GRP Building No. 1	N/A	Brookstone Change Order Number 7	Modify 'as-proposed' reception desk per SJRA initiated RFP 04.	\$ 4,197	0	9/11/2012



## Exhibit 12 Construction Photos September 2012



September 4, 2012 – Bulkhead Piling Installation at West End of Dam



September 6, 2012 – HSPS Clearing



September 18, 2012 – HSPS Mass Excavation



September 18, 2012 – ATS Drilling Boat



## Exhibit 12 Construction Photos September 2012



September 19, 2012 – West Bulkhead



September 26, 2012 – Barge and Crane on Lake Conroe



September 28, 2012 – Turbidity Measures



September 28, 2012 – Barge and Crane at RWPS Site



## Exhibit 12 Construction Photos September 2012



Surface Water Facility Site



High Service Pump Station Site



## Exhibit 12 Construction Photos September 2012



West End of Lake Conroe Dam



Surface Water Facility Site