



Groundwater Reduction Plan Program Monthly Progress Report - October 2012

San Jacinto River Authority





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ACRONYMS AND DEFINITIONS

Acronyms

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

Definitions

GROUNDWATER REDUCTION PLAN (GRP)	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.
GRP PROGRAM TEAM	SJRA staff, Program Management Consultant (Brown & Gay Engineers, Inc.) staff, and technical consultants working interdependently toward meeting the goals of the Groundwater Reduction Plan.
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 meet the surface water conversion requirements mandated by the LSGCD.
JOINT GRP	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
LARGE VOLUME GROUNDWATER USER (s) (LVGU)	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.
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.

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 efforts continued in October on a wide range of issues:

- An informational meeting for local construction contractors was held on October 2, 2012. See Section 1.3 for more information.
- Discussions continued with **Montgomery County Municipal Utility District (MUD) Nos. 99 and 115** regarding the possible extension of Phase 1 surface water transmission lines to serve them. These discussions will help to formulate a policy for handling requested extensions and funding of the same.

1.2 Engineering and Construction

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

- At its October 8, 2012 meeting, the **Montgomery County Commissioners Court** approved a resolution declaring public necessity to cooperate with SJRA in acquiring easements along **McCaleb Road and Fish Creek Thoroughfare** for the proposed surface water transmission system (Segments T1, T2 and T3). This resolution follows up on the **Interlocal Agreement** approved by the Commissioners' Court at their June 4, 2012 meeting and allows for the construction of portions of the proposed surface water transmission line within existing Montgomery County public right-of-way.
- Finalization of the **standard construction contract documents** for the surface water transmission system remained a focus for the GRP Program Team this month. Standard "front end" documents are anticipated to be finalized in early November 2012, and standard technical specifications and bid form finalized in early December 2012. Once finalized, these standard documents will be provided to the design

consultants for use in preparing their respective project's construction contract.

- The GRP Program Team continued to monitor progress of the **overall GRP Program** schedule this month. All 60% design submittals and five (5) 90% design submittals for the surface water transmission system have been received. SWTP design is nearing completion while the early stages of construction of the RWPS, HSPS and GSTs are underway. Final design schedules for the surface water transmission system projects are being monitored very closely as projected advertisement and bid opening dates grow closer.
- This month the GRP Program Team continued to work on establishing a number of **Utility Relocation Agreements** required at particular locations throughout the proposed surface water transmission system. At their respective October 2012 meetings, the GRP Review Committee and SJRA Board of Directors approved an Utility Relocation Agreement with **Mid-South Synergy** for facilities along Segment T1. Utility Relocation Agreements with the **City of Conroe** (along Segment C2), **Consolidated Communications** (along Segment T2), and **Texas Gas Utility Service** and **Woodlands Oaks Utility District** (both along Segment T3) are anticipated to be presented to the GRP Review Committee and SJRA Board of Directors for approval at their respective December 2012 meetings.

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 Team this month included the following:

- On October 1, 2012, the Construction Management and Inspection (CM&I) consultant and Segment T1 design consultants met with District 12 of the **Texas Department of Transportation (TxDOT)** to discuss the proposed surface water transmission line **crossing of State Highway (SH) 105** near the west end of the Lake Conroe dam.



1.0 PLANNING (CONTINUED)

Trenchless construction methodology was discussed as well as traffic loading information TxDOT had collected for SH 105. Several other TxDOT roadway crossings are proposed throughout the proposed surface water transmission system. The GRP Program Team and respective design consultants continue to coordinate with TxDOT regarding these crossings.

- An **informational meeting for construction contractors** interested in the upcoming GRP Program surface water transmission line construction projects occurred on October 2, 2012 at the Lone Star Convention and Expo Center in Conroe. The transmission system and individual construction projects were overviewed and the CSP procurement process was discussed. Approximately thirty (30) different construction contractors had representatives attend the meeting.
- Coordination and planning efforts continued this month on **existing utility relocations** along surface water transmission system. Coordination meetings with **Mid-South Synergy** regarding Segment T1 and with **Consolidated Communications** regarding Segment T2 were both held October 16, 2012. The GRP Program Team and respective design consultants will continue coordination efforts for these utility relocations until they are complete.
- The GRP Program Team met with the **City of Oak Ridge North** on October 18, 2012 to further discuss its current Interlocal Agreement with the SJRA and a potential amendment for the construction of a waterline along Maplewood Drive. An amendment is anticipated to be presented to the GRP Review Committee and SJRA Board of Directors for consideration at their December 2012 meetings.
- The GRP Program Team met with **CenterPoint Energy (CPE)** on October 25, 2012 to discuss the a potential Utility Relocation Agreement for existing CPE facilities that conflict with the proposed Segment C4 surface water transmission line alignment. Coordination with CPE will continue until an agreement is reached and the utilities are relocated.
- The monthly **southern Montgomery County GRP Program technical status meeting** was held on October 25, 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

Progress continued this month on final design of the surface water transmission lines, SWRF and SWTP. 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:

- **Surface water transmission system** final design continued to move towards completion in October. This month, 60% drawings for Segment C1 and W3B as well as 90% drawings for Segment W1A were submitted by the respective design consultants to the GRP Program Team for review. The GRP Program Team Review completed review and provided comments to the respective design consultants on 60% drawings for Segments W2B and W3A along with 90% drawings for Segment C4, T2 and W1B. All 60% submittals for the transmission system have now been received. The remaining 90% and 100% submittals are scheduled over the coming months.
- Final design of the **Surface Water Receiving Facilities** (SWRF) focused this month on addressing the 60% review comments and preparing drawings for the 90% submittals. The 90% drawings submittal scheduled for late November 2012. The SWRF design consultant continues to coordinate with SWRF owners and operators as needed and with adjacent surface water transmission line design consultants for the connection configuration at each SWRF.
- **Surface Water Facilities** (SWF) final design centered around continued progress on the **Surface Water Treatment Plant** (SWTP) design. The SWTP design consultant focused on preparing their 90% design submittal, scheduled for early November 2012.

- GRP Program Team review of the 60% design submittal for the **fiber optic communication system** was completed this month and comments were returned to the Program Fiber Optic Consultant. Submittal of the 90% design is scheduled for December 2012. The Program Fiber Optic Consultant continues to review the conduit design for the fiber optic system included in the surface water transmission line drawing submittals as they are received.

2.2 Construction

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

- **Raw Water Intake** (RWI) construction made progress this month. The excavation and installation of the abutment, bridge tie-backs, and drilled shaft commenced and will run through the December 2012. The drilled shafts are complete, along with the dredging underneath the southern half of the RWI.
- Site work related to the **High Service Pump Station** (HSPS) and **Ground Storage Tanks** (GSTs) continued to move forward this month. Mass (earth) balancing for the temporary construction roads within the project site was completed along with mass excavation for GST Nos. 1 and 2. The temporary construction roads are scheduled to be completed next month. The excavation of the HSPS is approximately 95% complete with excavation of discharge bay sumps remaining.
- SWF pre-construction efforts for the **Construction Manager-at-Risk** (CMAR) in October focused on commencement of work on Early Work Package No. 2 and procurement for Early Work Package No. 3. Issuance of Subcontracts and Purchase Orders for Early Work Package No. 2 began this month. The CMAR and GRP Program Team finalized the baseline schedule for the RWPS, GSTs and HSPS and continue the development of the overall SWF schedule as the design of the SWTP nears completion. For more information on Early Work Package No. 3 procurement, see Section 3.1.

2.0 SCHEDULE (CONTINUED)

- The **Construction Management and Inspection (CM&I)** consultant's efforts this month continued to focus on constructability reviews of the milestone design submittals for the surface water transmission system segments. The CM&I consultant participated in a number of design progress meetings as well as regular GRP Program Team meetings. The CM&I consultants also provided support and additional input for the standardization of construction contract documents and technical specifications.
- In October the **Construction Administration and Inspection (CA&I)** consultant continued their efforts on administering the CMAR's contract and managing communication between the CMAR and SWF design consultants. The CA&I consultant continued to perform daily inspections of the RWI, HSPS and GST construction.



Unloading of RWI drill shaft casing at west end of Lake Conroe Dam (October 3, 2012)



Tugboat arriving at bulkhead at west end of Lake Conroe Dam with RWI dredging spoils (October 19, 2012)



On-going work at the RWI site (October 19, 2012)



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:** After reviewing and evaluating the proposals received, the CMAR and GRP Program Team finalized work category recommendations and prepared the associated amendment to the CMAR's contract for Early Work Package No. 3. The package was presented to the GRP Review Committee for consideration and approved at its October 29, 2012 meeting. The package will be presented for consideration to the SJRA Board of Directors Construction Committee at its November 1, 2012 meeting and to the SJRA Board of Directors at its November 8, 2012 meeting.
- **SWF Site Access Road Asphalt Overlay:** Six (6) competitive bids were received on October 15, 2012. The bids were reviewed and tabulated, and the apparent low bidder was AAA Asphalt Paving. A recommendation of award to AAA Asphalt Paving was made to the GRP Review Committee and approved at its October 29, 2012 meeting. The recommendation will be presented to the SJRA Board of Directors for consideration at its November 8, 2012 meeting.

3.2 Contract Awards

The following GRP Program contracts/work orders were presented to the GRP Review Committee Meeting on October 8, 2012 and to the SJRA Board of Directors Meeting on October 11, 2012, and were authorized by the SJRA Board of Directors for execution by the SJRA General Manager:

- **LJA Engineering:** Work Order No. 5 for **metes & bounds** services for Surface Water Transmission System **Segment W4** (\$32,481.89).
- **Jones & Carter:** Work Order No. 5 for **staking, as-builts and other professional surveying services** for Surface Water Transmission System

Segment T1

- **ACES:** Work Order No. 5 for **professional engineering** services for the GRP Program (\$50,000.00).

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, contract awards, contract/work order amendments, and assorted agreements such as utility relocations and easement encroachments. Solicitations may be combined, modified, or canceled and indicat-

TABLE 3.1—GRP PROGRAM LOOK AHEAD

PROJECT/SERVICES	PURPOSE	ADVERTISEMENT/ NEGOTIATION	BOARD MEETING
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
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



3.0 PROCUREMENT (CONTINUED)

TABLE 3.1—GRP PROGRAM LOOK AHEAD (CONTINUED)			
PROJECT/SERVICES	PURPOSE	ADVERTISEMENT/ NEGOTIATION	BOARD MEET- ING
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
TRANSMISSION SYSTEM FINAL DESIGN	AMENDMENT NO. 1 TO WORK ORDER NO. 4 FOR FINAL DESIGN MODIFICATIONS TO TRANSMISSION SYSTEM SEGMENT C4	NOVEMBER 2012; WORK ORDER AMENDMENT	DECEMBER 13, 2012
TRANSMISSION SYSTEM FINAL DESIGN (PHASE 2 GEOLOGIC FAULT STUDY)	AMENDMENT NO. 2 TO WORK ORDER NO. 3 FOR FINAL DESIGN OF TRANSMISSION SYSTEM SEGMENT W2	NOVEMBER 2012; WORK ORDER AMENDMENT	DECEMBER 13, 2012
TRANSMISSION SYSTEM FINAL DESIGN	AMENDMENT NO. 1 TO WORK ORDER NO. 4 FOR FINAL DESIGN MODIFICATIONS TO TRANSMISSION SYSTEM SEGMENT T2	NOVEMBER 2012; WORK ORDER AMENDMENT	DECEMBER 13, 2012
TRANSMISSION SYSTEM FINAL DESIGN	AMENDMENT NO. 1 TO WORK ORDER NO. 3 FOR FINAL DESIGN MODIFICATIONS TO TRANSMISSION SYSTEM SEGMENT W3	NOVEMBER 2012; WORK ORDER AMENDMENT	DECEMBER 13, 2012
SURFACE WATER TREATMENT PLANT FINAL DESIGN	DESIGN MODIFICATIONS TO SWF TO FACILITATE FUTURE O&M COST REDUCTIONS	NOVEMBER 2012; 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

TABLE 3.1—GRP PROGRAM LOOK AHEAD (CONTINUED)			
PROJECT/SERVICES	PURPOSE	ADVERTISEMENT/ NEGOTIATION	BOARD MEET- ING
CITY OF OAK RIDGE NORTH INTERLOCAL AGREEMENT	AMENDMENT NO 1 TO INTERLOCAL AGREEMENT FOR CITY OF OAK RIDGE NORTH TO CONSTRUCT PORTION OF TRANSMISSION SYSTEM SEGMENT W3	NOVEMBER 2012; AGREEMENT AMENDMENT	DECEMBER 13, 2012
STOECKER MANAGEMENT (WOODLANDS OAKS UTILITY DISTRICT) RELOCATION AGREEMENT	AGREEMENT TO RELOCATE EXISTING SANITARY FORCE MAIN ALONG TRANSMISSION SYSTEM SEGMENT T3	NOVEMBER 2012; AGREEMENT	DECEMBER 13, 2012
RAYFORD ROAD MUD SUPPLEMENTAL AGREEMENT	AGREEMENT FOR RAYFORD ROAD MUD TO PERFORM FINAL DESIGN AND CONSTRUCT MODIFICATIONS AT ITS SWRF	NOVEMBER 2012; AGREEMENT	DECEMBER 13, 2012
TEXAS GAS UTILITY SERVICE RELOCATION AGREEMENT	AGREEMENT TO RELOCATE EXISTING PIPELINE ALONG TRANSMISSION SYSTEM SEGMENT T3	NOVEMBER 2012; AGREEMENT	DECEMBER 13, 2012
CITY OF CONROE RELOCATION AGREEMENT	AGREEMENT TO RELOCATE EXISTING WATERLINE ALONG TRANSMISSION SYSTEM SEGMENT C2	NOVEMBER 2012; AGREEMENT	DECEMBER 13, 2012
MONTGOMERY COUNTY INTERLOCAL AGREEMENT	AGREEMENT REGARDING "ORPHAN" TRACTS ALONG SEGMENT T1.	OCTOBER 2012; AGREEMENT	DECEMBER 13, 2012
TRANSMISSION SYSTEM EARLY CONSTRUCTION	RESOLUTION REGARDING EARLY CONSTRUCTION OF PORTIONS OF THE SURFACE WATER TRANSMISSION SYSTEM DUE TO DEVELOPER REQUESTS	DECEMBER 2012; AGREEMENT	JANUARY 24, 2013
CONSTRUCTION MANAGEMENT & INSPECTION (CM&I)	CM&I SERVICES DURING CONSTRUCTION PHASE OF TRANSMISSION SYSTEM	DECEMBER 2012; WORK ORDER	JANUARY 24, 2013



3.0 PROCUREMENT (CONTINUED)

TABLE 3.1—GRP PROGRAM LOOK AHEAD (CONTINUED)			
PROJECT/SERVICES	PURPOSE	ADVERTISEMENT/ NEGOTIATION	BOARD MEET- ING
SURFACE WATER RECEIVING FACILITIES FINAL DESIGN	AMENDMENT NO. 1 TO WORK ORDER NO. 3 FOR DISTRIBUTION METERING DESIGN AT MULTIPLE SWRF	DECEMBER 2012; WORK ORDER	JANUARY 24, 2013
LAND/EASEMENT ACQUISITION LEGAL SERVICES	ADDITIONAL EXPENDITURES FOR LAND/EASEMENT ACQUISITION LEGAL SERVICES	DECEMBER 2012; WORK ORDER	JANUARY 24, 2013
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	JANUARY 2013; WORK ORDER	FEBRUARY 28, 2013
SWTP CMMS AND O&M MANUAL	POPULATION OF CMMS AND DEVELOPMENT OF O&M MANUAL FOR SWTP	JANUARY 2013; WORK ORDER	FEBRUARY 28, 2013
HSPS AND GSTS CMMS AND O&M MANUAL	POPULATION OF CMMS AND DEVELOPMENT OF O&M MANUAL FOR HSPS AND GSTS	JANUARY 2013; WORK ORDER	FEBRUARY 28, 2013
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 2013 (FY13) operating budget (revenue and expenditures) is provided as Exhibit 4. The budget includes all normal and customary expenses for operating a utility based, non-profit business, including debt service, and is developed annually for approval by the SJRA Board of Directors.

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.

At its October 11, 2012 meeting, the SJRA Board of Directors considered and approved a resolution for issuance of \$165,000,000 of Special Project Revenue Bonds (Series 2012A). This bond issue is anticipated to close in November 2012.

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 9/30/12)	OCTOBER 2012
A. APPROVED FUNDING	\$347,400,358.49	
B. AVAILABLE FUNDING AFTER COSTS	\$317,263,643.04	\$317,263,643.04
C. APPROVED CONTRACTS	\$119,808,478.77	\$53,319,559.91
D. PROJECT CLOSE OUT	\$524,646.30	\$26,600.82
E. UNCONTRACTED FUNDING (B - C + D; B OCT - C - C OCT + D + D OCT)	\$197,979,810.57	\$144,686,851.48
F. INVOICED	\$52,111,837.77	\$5,574,484.93
G. REMAINING FUNDS (B - F; B - F - F OCT)	\$265,151,805.27	\$259,577,320.34

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 - GRP PROGRAM CONSULTANT INVOICE AND CONTRACTOR PAY APPLICATION SUMMARY

	PREVIOUS (THRU 9/30/12)	OCTOBER 2012
ENGINEERING & SPECIALTY CONSULTANT (PROGRAM)	\$11,899,600.09	\$2,222,413.04
ENGINEERING & SPECIALTY CONSULTANT (PROJECT)	\$31,989,555.91	\$1,391,830.53
CONSTRUCTION CONTRACTOR / CMAR	\$8,222,681.77	\$1,960,241.36
TOTALS:	\$52,111,837.77	\$5,574,484.93

4.0 COST REPORT AND FINANCIAL CONSIDERATIONS (CONTINUED)

Table 4.2.

4.4 Contract Amendments and Change Orders

The following GRP Program contracts/work orders amendments were presented to the GRP Review Committee Meeting on October 8, 2012 and to the SJRA Board of Directors Meeting on October 11, 2012, and were authorized by the SJRA Board of Directors for execution by the SJRA General Manager:

- **Jones & Carter:** Amendment No. 2 to Work Order No. 2 for **metes & bounds** services for Surface Water Transmission System **Segment T1** (\$93,500.00).
- **HDR:** Amendment No. 1 to Work Order No. 13 for **alternative process blowers** design services for the **SWTP** (\$99,391.00).
- **Postle Property Services:** Amendment No. 1 to Purchase Order for abstracting and title research services for the GRP Program (\$100,000.00).

No change orders were executed by the SJRA General Manager this month. Further details of the amendment mentioned above 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 October 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

The GRP Program Team, with the support of its assorted land acquisition consultants, continued to make steady progress in acquiring the land and easements necessary for the surface water transmission system. The preparation of metes & bounds descriptions for easements along the transmission line routes continued and is nearing completion. Sixteen (16) easements were acquired in October 2012, primarily along Segment T1, W1 and W3, bringing the total number of easements acquired to fifty eight (58). Negotiations to acquire other easements throughout the system are at varying stages of completion. 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. **Dannenbaum (C1)** - 60% drawings were submitted and are currently under review by the GRP Program Team.
2. **R.G. Miller (C4)** - GRP Program Team review of the 90% drawings was completed and comments were provided to the design consultant.
3. **Klotz (T2)** - GRP Program Team review of the 90% drawings was completed and comments were provided to the design consultant.
4. **Lockwood, Andrews & Newnam (W1A)** - 90% drawings were submitted and are currently under review by the GRP Program Team.
5. **Lockwood, Andrews & Newnam (W1B)** - GRP Program Team review of the 90% drawings was completed and comments were provided to the design consultant.
6. **Binkley & Barfield (W2B)** - GRP Program Team review of the 60% drawings was completed and comments were provided to the design consultant.
7. **Cobb Fendley (W3A)** - GRP Program Team review of the 60% drawings was completed and comments were provided to the design consultant.
8. **Cobb Fendley (W3B)** - 60% drawings were submitted and are currently under review by the GRP Program Team.
9. **EMA (Fiber Optic System)** - GRP Program Team review of the 60% drawings was completed and comments were provided to the design consultant.

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 Section 21.0 – Design Management, and general project understanding.

Quality Assurance (QA) Audits

The GRP Program Team conducted a QA audit on HDR on October 9, 2012. All design consultants have now been audited. 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 C1, W2B and W3A and the 90% drawings for Segment C4 and T2. Review is underway on the 90% drawings for Segment W1A.

Construction

Quality assurance efforts by the SJRA Construction Inspectors as well as the SWF CA&I consultant continued this month with the continuation of SWF construction, primarily for the RWI, HSPS and GSTs. Efforts included



**On-going Construction Observation
at RWI Site (October 23, 2012)**

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 October 31, 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%	*		\$ 341,850	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	100%	\$ 855,184	90%			\$ 16,078,764
Lockwood, Andrews, Newnan	Transmission Segment W1	\$ 920,621	100%	\$ 172,484	100%	\$ 1,086,983	82%			\$ 18,896,278
Binkley & Barfield, Inc.	Transmission Segment W2	\$ 956,154	100%	\$ 31,977	57%	\$ 1,435,882	83%			\$ 22,968,000
Cobb Fendley	Transmission Segment W3	\$ 1,161,967	100%	\$ 535,228	80%	\$ 1,555,247	80%			\$ 18,932,655
LJA	Transmission Segment W4	\$ 364,730	100%	\$ 129,073	0%	\$ 528,856	62%			\$ 6,823,480
Dannenbaum	Transmission Segment C1	\$ 332,300	100%	\$ 38,034	50%	\$ 490,523	55%			\$ 7,250,868
Schaumburg & Polk	Transmission Segment C2	\$ 1,003,246	100%	\$ 309,980	77%	\$ 685,068	70%			\$ 9,622,636
Kimley-Horn	Transmission Segment C3	\$ 490,286	100%	\$ 159,740	100%	\$ 616,103	75%			\$ 7,790,000
R.G. Miller	Transmission Segment C4	\$ 217,507	100%	\$ 18,016	100%	\$ 281,449	89%			\$ 3,805,640
Malcolm Pirnie	Receiving Facilities	\$ 598,651	100%	*		\$ 1,209,451	70%			\$ 11,225,000

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



Exhibit 2

Selected GRP Program Contracts

October 31, 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	85%			\$ 135,000,000
AECOM, Inc.	High Service Pump Station	\$ 1,072,948	100%			\$ 3,044,066	100%	\$ 940,719.00	8%	\$ 39,960,000
Freese and Nichols, Inc.	Raw Water Intake and Pump Station	\$ 1,138,540	100%			\$ 1,523,752	100%	\$ 810,800.00	5%	\$ 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
TOTALS		\$ 13,597,332	-	\$ 1,712,228	-	\$ 22,882,989	-	\$ 1,801,519	-	\$ 365,540,401



Exhibit 2

Selected GRP Program Contracts

October 31, 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	88%
Halff	Environmental	\$ 569,919	100%
Property Acquisition Services	Land Acquisition	\$ 1,413,335	42%
V&A	Cathodic Protection	\$ 511,978	56%
KDM	Land Acquisition	\$ 401,593	38%
Andrews Kurth	Legal	\$ 1,800,000	65%
Mike Bellar	Legal	\$ 100,000	29%
Brown & Caldwell	CMAR Contract Development Assistance	\$ 78,202	100%
Greenburg Traurig	Legal	\$ 200,000	48%
AECOM	Transient	\$ 311,400	89%
KBR	CM&I	\$ 533,433	68%
CDM	CA&I	\$ 5,348,633	4%
Total		\$ 15,636,586	



Exhibit 2

Selected GRP Program Contracts

October 31, 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	\$ 90,331,558	33%
CMT Early Work Package #2	Geotest	\$ 740,985	7%
Total		\$ 94,815,713	



Exhibit 3

Monthly GRP Program Financing Report

Fiscal Year 2012

Through October 31, 2012

	WIF Funds	2011 Special Projects Revenue Bonds	TWDB 2011 'D' Fund	2012 Special Projects Revenue Bonds	Totals
A. Program Budget					
Bond Issue Amount	\$ 21,500,000.00	\$ 83,430,358.49	\$ 67,470,000.00	\$ 175,000,000.00	\$ 347,400,358.49
Total Investment	\$ 21,500,000.00	\$ 83,430,358.49	\$ 67,470,000.00	\$ 175,000,000.00	\$ 347,400,358.49
B. Contracted Costs					
Contracts Completed	\$ 14,833,881.40	\$ 10,200,595.64	\$ -	\$ -	\$ 25,034,477.04
Current Contract Values	\$ 6,177,260.44	\$ 39,174,345.13	\$ 22,269,475.24	\$ 79,984,765.00	\$ 147,605,845.81
Change Orders	\$ -	\$ 487,715.83			\$ 487,715.83
Project Close Out	\$ (197,419.18)	\$ (353,827.94)			\$ (551,247.12)
Total	\$ 20,813,722.66	\$ 49,508,828.66	\$ 22,269,475.24	\$ 79,984,765.00	\$ 172,576,791.56
C. Expenditures					
Paid Previous Fiscal Years	\$ 19,966,012.81	\$ 24,949,084.37	\$ 478,705.50	\$ -	\$ 45,393,802.68
Paid Current Fiscal Year	\$ 85,575.03	\$ 5,082,328.33	\$ 2,840,778.75	\$ 2,539,013.00	\$ 10,547,695.11
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
Total	\$ 20,521,924.92	\$ 39,939,418.61	\$ 9,236,912.58	\$ 16,379,957.13	\$ 86,078,213.24
D. Remaining					
Uncontracted Funds	\$ 215,940.26	\$ 24,013,523.92	\$ 39,283,096.43	\$ 81,174,290.87	\$ 144,686,851.48
Fund Balance *	\$ 978,075.08	\$ 43,490,939.88	\$ 58,233,087.42	\$ 158,620,042.87	\$ 261,322,145.25

Exhibit 4
San Jacinto River Authority
Groundwater Reduction Plan
Unaudited Schedule of Revenues & Expenses - Actual & Budget
For the Month Ending September 30, 2012

	September			Year To Date			
	Actual	Budget	Variance	Actual	Budget	Variance	% Variance
OPERATING REVENUES							
Water sales							
GRP pumping fees	\$ 2,303,822	\$ 637,999	\$ 1,665,823	\$ 2,303,822	\$ 637,999	\$ 1,665,823	261%
TOTAL OPERATING REVENUES	\$ 2,303,822	\$ 637,999	\$ 1,665,823	\$ 2,303,822	\$ 637,999	\$ 1,665,823	261%
OPERATING EXPENSES							
Payroll & employee benefit expenses	\$ 164,323	\$ 332,021	\$ 167,697	\$ 164,323	\$ 332,021	\$ 167,697	51%
Professional fees	10,903	23,659	12,756	10,903	23,659	12,756	54%
Purchased & contracted services	6,322	24,596	18,274	6,322	24,596	18,274	74%
Supplies, materials & utilities	31,596	323,816	292,221	31,596	323,816	292,221	90%
Maintenance repairs, parts & rentals	660	1,280	620	660	1,280	620	48%
General & administration	50,759	93,693	42,934	50,759	93,693	42,934	46%
TOTAL OPERATING EXPENSES	\$ 264,564	\$ 799,065	\$ 534,502	\$ 264,564	\$ 799,065	\$ 534,502	67%
NON-OPERATING REVENUES & EXPENSES							
Interest on investments	\$ 3,295	\$ 187,004	\$ (183,709)	\$ 3,295	\$ 187,004	\$ (183,709)	(98%)
Depreciation	(20,474)	-	(20,474)	(20,474)	-	(20,474)	100%
Interest expense	(1,040,923)	(872,781)	(168,143)	(1,040,923)	(872,781)	(168,143)	19%
Amortized debt issuance expense	(14,140)	-	(14,140)	(14,140)	-	(14,140)	100%
TOTAL NON-OPERATING	\$ (1,072,242)	\$ (685,777)	\$ (386,465)	\$ (1,072,242)	\$ (685,777)	\$ (386,465)	56%
NET INCOME (LOSS)	\$ 967,017	\$ (846,843)	\$ 1,813,860	\$ 967,017	\$ (846,843)	\$ 1,813,860	(214%)

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

Category	Driver	September 2012	October 2012	FYTD 2012
GRP Pumping Fees	Usage variance due to weather conditions.	1,666	(609)	1,057
Payroll and related expenses	Budgeted positions not filled per schedule.	172	162	334
Professional Fees	Professional fees less than budgeted.	9	17	25
Purchased & Contracted Services	Purchased and contracted services less than budgeted.	13	17	30
Supplies, Materials, Utilities, Maintenance, Repairs, Parts & Rentals	Additional Water Supply, costs not yet realized.	300	-	300
	Travel, fuel, office supplies, phones, utilities, and misc. expenses less than budgeted.	(2)	7	4
General & Administration	Allocated labor and related expenses less than budgeted, anticipated a quicker rate of growth than has been actualized.	43	51	94
Non-Operating	Interest/Investment Income	(184)	(194)	(378)
	Depreciation expense	(20)	(21)	(41)
	Bond Issuance Cost Amort expense	(14)	(14)	(28)
	Bond interest expense	(168)	(199)	(368)
		1,814	(784)	1,030

Exhibit 5A

GRP Program Capital Improvements Program Estimate-At-Completion

SERVICES	ESTIMATE-AT-COMPLETION
Pre-Engineering Phase Services	\$ 4,676,398
(GRP Development, Environmental Studies, Pilot Plant, Surface Water Treatment Plant Site Survey)	
Engineering Phase Services	\$ 41,228,411
(Planning, Preliminary Engineering, Final Engineering, Geotechnical, Survey, Metes & Bounds, Subsurface Utility Investigation, Environmental)	
Construction Phase Services	\$ 35,984,405
(Early Equipment Procurement, Engineering Services During Construction, Construction Management & Inspection [Transmission System], Construction Administration & Inspection [SWF], Material Testing)	
Construction	\$ 382,173,924
(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 ⁽¹⁾	\$ 4,328,089
Other Offsite Construction (Stand Pipe, Transmission Line Utility Relocations, Receiving Facility Improvements) ⁽¹⁾	\$ 9,875,000
Non-Project Specific Contingency	\$ 8,436,678
Program Management	\$ 12,322,961
(GRP Program Management, Survey, Geotechnical, Transient, Corrosion, Legal Consultants)	
Land Acquisition	\$ 12,244,721
(Legal, Appraisal, Title Research, Land Acquisition Consultants) ⁽²⁾	
Total:	\$ 488,630,820

Bond issuance costs are not included.

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

⁽²⁾ Includes revisions to land acquisition cost estimates and recategorizing of contingency.



Exhibit 5B GRP Program Fund Data December 10, 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		\$ 20,169,399.92	\$ 860,263.00
Open Market Bond Issue	\$ 83,430,358.49	3% - 5.25%	\$ 2,049,764.39	\$ 7,858,241.52		\$ 73,522,352.58		\$ 31,768,045.32	\$ 41,754,307.26
TWDB Dfund Series 2011A	\$ 67,470,000.00	1.22% - 4.97%	\$ 751,195.33	\$ 5,166,233.00		\$ 61,552,571.67		\$ 3,652,991.09	\$ 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		\$ 5,045,959.65	\$ 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
Totals	\$ 562,400,358.49		\$ 5,884,475.93	\$ 44,391,996.52	\$ 23,493,066.00	\$ 317,263,643.04	\$ 171,367,177.00	\$ 60,636,395.98	\$ 436,693,374.80

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 December 10, 2012

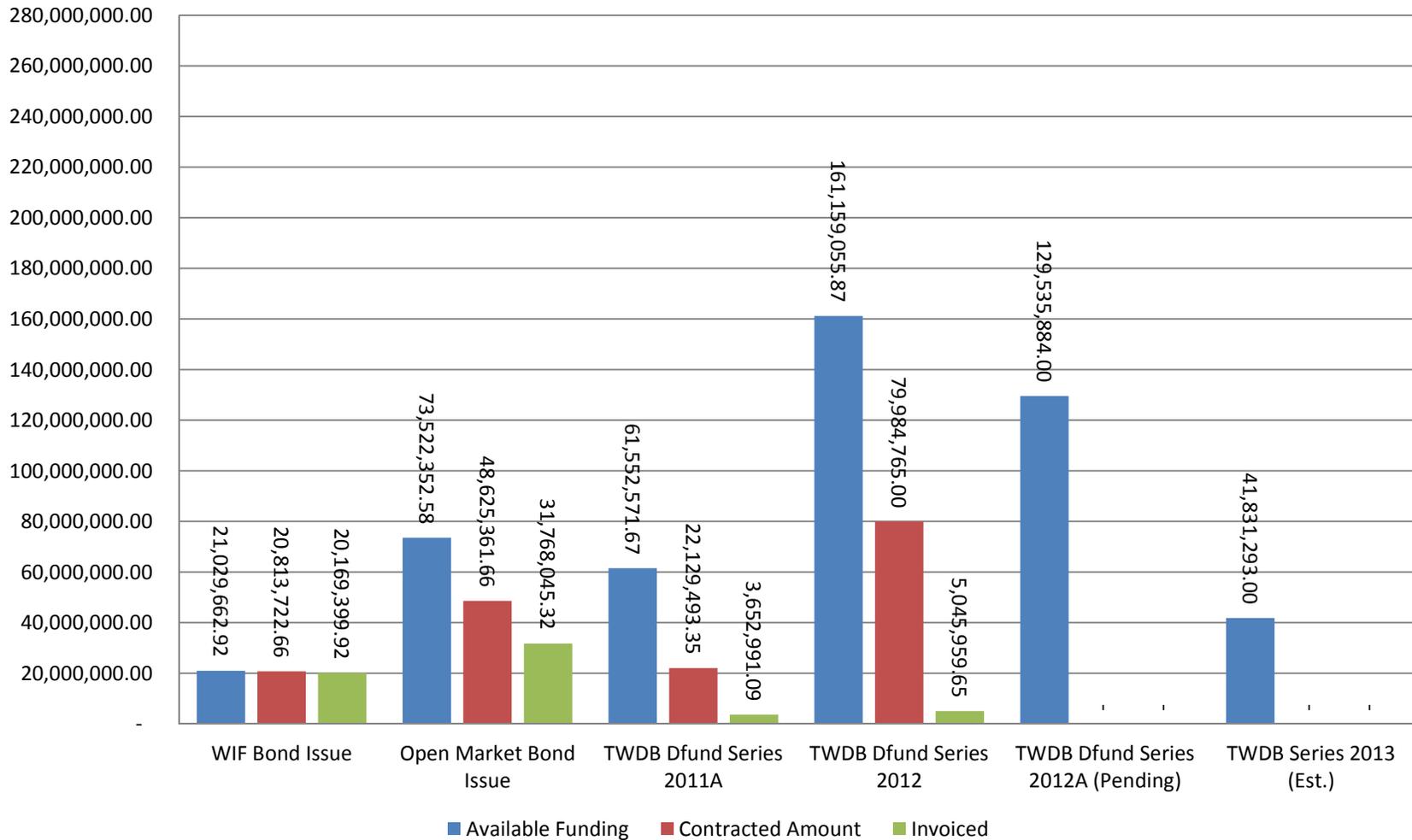




Exhibit 7 GRP Program Monthly Forecasted Expenditures for Contracted Services December 10, 2012





Exhibit 8

Estimate at Completion (EAC) for Current Authorizations

October 31, 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	\$ 1,171,381.00	\$ 93,500.00	8.0%		\$ 1,264,881.00
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	\$ 2,424,013.04		0.0%		\$ 2,424,013.04
W3	Cobb Fendley	\$ 3,252,441.50		0.0%		\$ 3,252,441.50
W4	LJA	\$ 876,011.82	\$ 17,574.56	2.0%		\$ 893,586.38
C1	Dannenbaum	\$ 822,823.00		0.0%		\$ 822,823.00
C2	Schaumburg & Polk	\$ 1,583,197.99	\$ 207,547.98	13.1%		\$ 1,790,745.97
C3	Kimley-Horn	\$ 1,202,256.89	\$ 31,936.55	2.7%		\$ 1,234,193.44
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
Subtotal - Surface Water Transmission System		\$ 19,539,833.20	\$ 350,559.09	1.8%	\$ -	\$ 19,890,392.29

Surface Water Facilities

Project	Firm	Amount Authorized by Board	Board Authorized Modifications		Forecasted Modification Amount	Estimate at Completion (EAC)
			Dollars	%		
WTP	HDR	\$ 17,164,257.21	\$ 371,110.00	2.2%		\$ 17,535,367.21
HSPS	AECOM	\$ 4,324,402.56		0.0%		\$ 4,324,402.56
StandPipe	AECOM	\$ 192,281.00		0.0%		\$ 192,281.00
RWI&PS	Freese and Nichols	\$ 3,742,713.35		0.0%		\$ 3,742,713.35
CMAR	McCarthy	\$ 90,331,558.00		0.0%		\$ 90,331,558.00
CA&I	CDM	\$ 5,348,633.00		0.0%		\$ 5,348,633.00
Subtotal - Surface Water Facilities		\$ 121,103,845.12	\$ 371,110.00	0.3%	\$ -	\$ 121,474,955.12



Exhibit 8

Estimate at Completion (EAC) for Current Authorizations

October 31, 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	\$ 866,676.00		0.0%		\$ 866,676.00
Prog Svcs & Projs	Other Program Services & Projects	\$ 2,587,354.94		0.0%		\$ 2,587,354.94
Subtotal - Program Consultant Services & Other Projects		\$ 16,575,379.44	\$ 234,761.29	1.4%	\$ -	\$ 16,810,140.73

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	\$ (26,182.09)	-10.2%		\$ 231,157.56
SWF EWP2 CMT	Geotest	\$ 1,346,397.00		0.0%		\$ 1,346,397.00
Other	Other Construction Contracts	\$ 483,263.32		0.0%		\$ 483,263.32
Subtotal - Construction Contracts		\$ 5,779,329.77	\$ (27,150.07)	-0.5%	\$ -	\$ 5,752,179.70

Totals

	Amount Authorized by Board	Board Authorized Modifications		Forecasted Modification Amount	Estimate at Completion (EAC)
		Dollars	%		
Subtotal - Surface Water Transmission System	\$ 19,539,833.20	\$ 350,559.09	1.8%	\$ -	\$ 19,890,392.29
Subtotal - Surface Water Facilities	\$ 121,103,845.12	\$ 371,110.00	0.3%	\$ -	\$ 121,474,955.12
Subtotal - Program Consultant Services & Other Projects	\$ 16,575,379.44	\$ 234,761.29	1.4%	\$ -	\$ 16,810,140.73
Subtotal - Construction Contracts	\$ 5,779,329.77	\$ (27,150.07)	-0.5%	\$ -	\$ 5,752,179.70
Total	\$ 162,998,387.53	\$ 929,280.31	0.6%	\$ -	\$ 163,927,667.84



Exhibit 9 Land Acquisition Summary October 31, 2012

Project	Anticipated Number of Easements to Acquire	Easements Acquired This Month	Easements Acquired Total
Transmission System Segment T1	62	4	22
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	3	4
Transmission System Segment W2	6	0	0
Transmission System Segment W3	183	9	32
Transmission System Segment W4	7	0	0
Totals:	452	16	58



Exhibit 10

GRP Program Monthly Meeting Log

October 31, 2012

Meeting	Agenda	Location	Date	Participants
Waterline Contractor Outreach		Lone Star Convention Center	Tuesday October 2, 2012	GRP Program Team staff, general public
Instrumentation and Control Workshop Meeting	Internet hot spot locations inside plant, security camera locations, SCADA architecture, SCADA network design	SJRA GRP Building 1	Thursday October 4, 2012	HDR, GRP Program Team staff
Construction Committee Meeting		SJRA G&A Office	Thursday October 4, 2012	Construction Committee, GRP Program Team staff
GRP Program Review Committee Meeting		SJRA G&A Office	Monday October 8, 2012	Review Committee, GRP Program Team staff, general public
HDR CMAR Design Workshop 1	Status of TCEQ approval letters for plate settlers, GAC and GST TTHM stripping, sewer service from Conroe, SJRA to setup meeting with fire marshal, geotechnical conformance letter	SJRA GRP Building 1	Wednesday October 10, 2012	HDR, McCarthy, GRP Program Team staff
SJRA Board of Directors Meeting		SJRA G&A Office	Thursday October 11, 2012	SJRA Board of Directors, GRP Program Team staff, general public



Exhibit 10

GRP Program Monthly Meeting Log

October 31, 2012

Meeting	Agenda	Location	Date	Participants
Segment T1 Meeting with TxDOT		SJRA GRP Building 1	Thursday October 11, 2012	KBR, Jones and Carter. TxDOT
SCADA Programming Meeting		SJRA GRP Building 1	Thursday October 11, 2012	Malcolm Pirnie/Arcadis, GRP Program Team staff
LSGCD GRP Discussion		LSGCD Office	Monday October 15, 2012	LSGCD, GRP Program Team staff
Coordination Meeting with Consolidated		SJRA GRP Building 1	Tuesday October 16, 2012	Consolidated Communications, Klotz, GRP Program Team staff
Coordination Meeting with Mid-South Synergy		SJRA GRP Building 1	Tuesday October 16, 2012	Mid-South Synergy, GRP Program Team staff
Coordination Design Workshop	Requirements for incorporating Receiving Facility SCADA signals, paving subgrade details	SJRA GRP Building 1	Wednesday October 17, 2012	HDR, AECOM, McCarthy, GRP Program Team staff
Oak Ridge North ILA Meeting		Oak Ridge North City Hall	Thursday October 18, 2012	Oak Ridge North, Jones and Carter, GRP Program Team staff
Building 1 Changes Workshop	Changes to Building 1 to function as a maintenance facility after thw SWTP is online	SJRA GRP Building 1	Monday October 22, 2012	HDR, McCarthy, GRP Program Team staff
Construction Progress Meeting	Schedule for RWI and GSTs, shop drawing procedures and progress.	SJRA GRP Building 1	Tuesday October 23, 2012	AECOM, FNI, McCarthy, CDM Smith, GRP Program Team staff



Exhibit 10

GRP Program Monthly Meeting Log

October 31, 2012

Meeting	Agenda	Location	Date	Participants
HDR CMAR Design Workshop 2	Sewer service from Conroe, geotechnical conformance letters, concrete structure joint placement, scheduled thru 100% documents, use of mega lug restraints, permanganate carrier water, operations building design for hurrican protection, GAC underdrain evaluation	SJRA GRP Building 1	Wednesday October 24, 2012	HDR, McCarthy, GRP Program Team staff
CenterPoint Energy Meeting		CenterPoint Energy Office	Thursday October 25, 2012	CenterPoint Energy, GRP Program Team staff
Monthly Southern Montgomery County GRP Program Technical Status Meeting		SJRA Woodlands Office	Thursday October 25, 2012	Joint GRP Participant representatives, GRP Program Team staff
Concrete Placement Meeting	Joint locations in concrete structures, limited height for full wall pours	SJRA GRP Building 1	Wednesday October 31, 2012	HDR, McCarthy, GRP Program Team staff



Exhibit 11

GRP Amendments and Change Orders

October 31, 2012

Project	Proposal Number	Modification Number	Description	Modification		Approval Date
				Amount	Days	
Transmission Line Segment T1	N/A	Jones & Carter Work Order No. 2 Amendment No. 2	Metes and bounds and other professional surveying services related to T1.	\$ 93,500	0	10/11/2012
Water Treatment Plant	N/A	HDR Work Order 13 Amendment No. 1	Design of alternative process blowers.	\$ 99,391	0	10/11/2012
Land Acquisition	N/A	Postle Property Services, Inc. Purchase Order Amendment No. 1	Additional expenditures for abstracting and title research.	\$ 100,000	0	10/11/2012



Exhibit 12 Construction Photos October 2012



October 3, 2012 – Ground Storage Tank No. 2



October 4, 2012 – Access Road Continuation



October 15, 2012 – Barges and Drilling Equipment at RWI Site



October 18, 2012 – RWI Dredging



Exhibit 12 Construction Photos October 2012



October 18, 2012 – Excavation for Abutment at RWI Site



October 19, 2012 – Casing at RWI Site



October 23, 2012 – RWI Site



October 31, 2012 – Rock Grading on Access Road Continuation



Exhibit 12 Construction Photos October 2012



Surface Water Facility Site



Surface Water Facility Site



Exhibit 12 Construction Photos October 2012



Surface Water Facility Site



West End of Lake Conroe Dam