



GROUNDWATER REDUCTION PLAN PROGRAM

MONTHLY PROGRESS REPORT - MAY 2013



TABLE OF CONTENTS

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



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 SJRA's Joint GRP without preparing and submitting a GRP.
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

With the award of the final work package, the SWF (Surface Water Facility) is fully in the construction phase. The key effort now is to bring the project to completion, document construction, and focus on implementation details to ensure quality and proper functionality.

On the surface water transmission side of the Program, construction started in April with a notice to proceed on Segment T1. The contractor mobilized and early construction activities are underway. Notices to proceed were issued for Segments T2, W1A and W1B in May. As final design is reached on the remaining segments, the Program will move through the procurement phase into construction.

1.2 Engineering and Construction

All of the Transmission Line Segments are at or nearing the final design stage. Our engineering consultants will provide procurement support services by preparing bid packages and assist in the evaluation of construction proposals. Once construction contracts are awarded, the engineering consultants will provide construction phase services by reviewing submittals and pay applications as work proceeds.

1.3 Meetings

The GRP Program Team continued meeting with GRP Program stakeholders this month. Other meetings included the GRP Program and GRP Project status meetings, monthly progress meetings with Surface Water Transmission system and SWF design consultants. A listing of these meetings is attached as **Exhibit 13**.



Construction Staking and Mobilization begin on Transmission Segment T1

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

SURFACE WATER TRANSMISSION SYSTEM

Segment T1 – Design is complete. Engineering consultant is providing construction phase services.

Segment T2 – Design is complete. Engineering consultant is providing construction phase services.

Segment T3 – Design is complete. Engineering consultant is providing procurement support services.

Segment W1 – Design is complete. Engineering consultant is providing procurement support services.

Segment W2 – Design is complete and engineering consultant is providing construction phase services on Segment W2A. Final design for Segment W2B is complete and the project began advertisement in May.

Segment W3 – Design submittal for Segment W3A is 90% complete. Design submittal for Segment W3B is 100% complete.

Segment W4 – Final design is 95% complete.

Segment C1 – Design is complete for Segments C1A and B. Engineering consultant is providing procurement support services.

Segment C2 – Design is complete. Engineering consultant is providing procurement support services.

Segment C3 – Design is complete. Engineering consultant is providing procurement support services.

Segment C4 – Design Consultant is addressing 100% submittal review comments.

Surface Water Receiving Facilities – Design is complete. Engineering consultant is providing procurement support services.

Standpipe - The site was cleared for geotech boring samples.

SURFACE WATER FACILITIES

Raw Water Intake Pump Station– Design is complete and construction is underway. Engineering consultant is providing construction phase services.

Surface Water Treatment Plant – Design is complete and construction is underway. Engineering consultant is providing construction phase services.

High Service Pump Station and Ground Storage Tanks – Design is complete and construction is underway. Engineering consultant is providing construction phase services.

Fiber Optic Communications System – 90% design is complete and under review by SJRA Program Team.

Construction Management and Inspection (CM&I) – The CM&I team completed 90% design submittals review for all current projects (except Standpipe). Submitted CM Plan including QA/QC Plan and CM&I Safety Plan.

Construction Administration and Inspection (CA&I) – The CA&I staff for the SWF is currently working with the CMAR and SJRA staff to review submittals for the SWF.

Cathodic Protection – The cathodic protection consultant has finalized their design for the transmission line segments. They have also continued efforts for the construction phase of cathodic protection for the Surface Water Facilities.

2.2 State Agency Coordination

Segment T3 – TWDB issued a Notice to Proceed with construction.

Segment W1 – TWDB issued Notices to Proceed with construction for Segments W1A and W1B. TWDB approved Funding Release Request No. 6 and released construction funds from escrow for both contracts.

Segment W2 – TWDB issued a Notice to Proceed with construction of Segment W2A. Sets of Plans and Specifications for Segment W2B as advertised were forwarded to TWDB for review and approval.

Segment C1 – Sets of Plans and Specifications for Segment C1A as advertised were forwarded to TWDB for review and approval.



2.0 SCHEDULE (CONTINUED)

2.3 Construction

SURFACE WATER TRANSMISSION SYSTEM

All of the transmission line segments are scheduled to begin construction during the remainder of 2013.

Segment T1 - The contractor has mobilized onsite for construction of line



Segment T1 excavation equipment and trench boxes arrive onsite

segments within SJRA property below the Dam. Early activities include dewatering of areas along the outfall channel and tunnel/liner plate installation beneath the G&A parking lot. Construction of segments along McCaleb Road are not expected to be fully underway until late summer.

Segments T2, W1A, and W1B - SJRA issued Notices to Proceed in May, 2013. The contractors are preparing schedules and submittals for review prior to mobilization.

SURFACE WATER RECEIVING FACILITIES

The City of Oak Ridge North began construction of its water plant renovation

in April. Construction continued in May. This project includes surface water receiving facilities for the City of Oak Ridge North.

SURFACE WATER FACILITIES

Raw Water Intake - Drilled shafts are complete; bridge installation is complete and continuing work on building foundation.

Surface Water Treatment Plant - Progress at the Water Treatment Plant is concentrated at the three (3) main process structures; Pretreatment, Membrane Building, and GAC Building. Sub-foundation work and foundation work are the main focus. Concrete and rebar installation is a daily process.

High Service Pump Station and Ground Storage Tanks - The concrete foundation at the High Service Pump Station is an ongoing process. The main pump room and electrical/control area foundations are being installed ahead of schedule. Progress continues at the Ground Storage Tanks (GST), all wall and roof concrete panels have been cast on site. Installation of panels for both tanks began in early May.



Segment T1 groundwater dewatering operation at outfall channel

Fiber Optic Communications System – Installation of conduit for the fiber will be done along with the transmission line.

3.0 PROCUREMENT

3.1 Solicitations

Solicitations for proposals for construction for May were made for the following:

- San Jacinto River Authority RFP 13-023 Segment C1A 42-inch Water Transmission Line along Surface Water Plant Access Road

3.2 Contract Awards

The following contracts were awarded for construction in May:

- San Jacinto River Authority Contract No. 13-069 Segment T3 Proposed 54-inch Water Transmission Line
- San Jacinto River Authority Contract No. 13-072 Segment W2A Proposed 48-inch and 20-inch Water Transmission Line
- Work Order No. 7 for Construction Phase Services by design consultant during construction of Surface Water Transmission Line Segment T3
- Work Order No. 6 for Construction Phase Services by design consultant for Surface Water Transmission Line Segment W2A
- Amendment No. 1 to Work Order No. 3 for Professional Engineering Services for the Surface Water Receiving Facilities
- Amendment No. 1 to Work Order No. 3 for revisions to metes and bounds descriptions for Surface Water Transmission Line Segment C2
- Work Order No. 8 for Program Management Consulting Services



3.3 Process and Procedures

The GRP Program continues to utilize traditional and alternative project

delivery methods in the procurement of consultant and contractor services. The SJRA Board did authorize the General Manager to execute encroachment, license, and other agreements with various utility, communications, and pipeline companies and railroads related to real property interest for the GRP Program.

3.4 Look Ahead

The following list 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, or time frames may be modified as deemed necessary.

- Work Order No.5 for Construction Phase Services for Surface Water Transmission System South Receiving Facilities
- Work Order No. 6 for final design services to Surface Water Transmission System Segment C2
- Work Order No. 4 for Construction Phase Services by Fiber Optic consultant during construction of Surface Water Transmission System
- Construction contract for South Receiving Facilities (July)
- Construction Contract for Surface Water Transmission Line Segment W2B (July)
- Construction Contract for Surface Water Transmission Line Segment C1A (August)
- Work Order for Construction Phase Services by Design Consultant during construction of Surface Water Transmission Line Segment C1A (August)

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 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 budget and cost considerations as reported to the GRP Review Committee and the SJRA Board of Directors is provided as attached [Exhibit 5](#).

A summary of the SJRA GRP Division’s Fiscal Year 2013 (FY13) operating budget (revenue and expenditures) is provided as [Exhibit 6](#). 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 Program budget of \$512,400,358.49 (net - \$446,812,553.05). The available funding 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]), TWDB “D” Funds, Series 2011A (\$67,470,000.00 [gross]; \$57,693,420.67[net]), Series 2012 (\$175,000,000.00 [gross]; \$161,159,055.87 [net]), and 2012A (\$165,000,000 [gross]; \$133,408,061.01 [net]). Net approved funding to-date represents approximately 89.4% of the planned net \$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 7, 8 and 9](#).

Please note that financial reports do not include investment income.

4.3 Invoices/Applications for Payment

GRP Program level and GRP Project level Consultant Invoices and/or Construction Contractor Applications for Payment received through May 31, 2013, are represented in the Table 4.1 (Item F, May, 2013). A detailed breakdown of Consultant Invoices and/or Construction Contractor Pay Applications received for services performed

this month appears in Table 4.2.

	Previous (Thru 4/30/13)	May-13
A. Approved Funding	512,400,358.49	512,400,358.49
B. Available Funding After Costs	446,812,553.05	446,812,553.05
C. Approved Contracts	332,972,173.62	28,286,492.85
D. Project Close Out	(636,837.55)	(175,616.37)
E. Uncontracted Funding	114,477,216.98	86,366,340.50
F. Invoices Paid	87,861,855.09	5,311,870.70
G. Remaining Funds	358,950,697.96	353,638,827.26

	Previous (Thru 4/30/13)	May-13
Engineering & Specialty Consultant (Program)	19,226,250.62	973,779.05
Engineering & Specialty Consultant (Project)	41,449,823.33	548,149.06
Construction Contractor / CMAR	26,821,687.47	4,730,097.49
Totals:	87,497,761.42	6,252,025.60

* Includes Accounts Payable



4.0 COST REPORT AND FINANCIAL CONSIDERATIONS (CONTINUED)

4.4 Contract Amendments and Change Orders

Each of the GRP Program agreements, work orders, and amendments listed in Section 3.2 were presented to the GRP Review Committee at the May 20, 2013, meeting, the SJRA Board meeting on May 23, 2013, and were authorized by the SJRA Board of Directors for execution by the SJRA General Manager.

4.5 Claims

No claims were identified this month.

4.6 CIP Cash Flow

The GRP Program CIP cash flow through calendar year 2015 reflects known expenditures through May 2013. 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 10**.

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 \$562,960,358.49.

4.7.2 GRP Projects

The GRP Program projects remained within their approved contract budgets through this month. **Exhibit 11** 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 Director's approved budgeted amounts and percent complete, are listed in **Exhibits 2, 3 and 4**.

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 are nearing completion. Fourteen (14) easements were acquired in May 2013, bringing the total number of easements acquired to one hundred ninety-six (196). Easement acquisition by Line Segment is presented below. Negotiations to acquire other easements throughout the system are at varying stages of completion. A cumulative summary of easement acquisition activity is provided in **Exhibit 12**.

SEGMENT	ACQUIRED IN MAY
T-1	4
T3	1
W1	2
W3	2
W4	1
C1	1
C2	3

5.0 QUALITY ASSURANCE

5.1 Final Design

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

- Cobb Fendley (Segment W3) - Segment W3A 90% design plans and Segment W3B 100% design plans submitted in April, are undergoing internal reviews
- LJA Engineering (Segment W4) - Final design plans are 95% complete

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.

5.2 Pre-Construction

The CM&I Team continued Construction Phase Services in May. The team conducted a pre-proposal conference for Segments C1A and assisted in development of addendums and answers for contractor questions, participated in negotiations with contractors and conducted a pre-construction conference and issued NTP for Segments W1B and T2.

5.3 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. There are new areas of construction underway for chemical containment and storage and dewatering facilities. 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 have commenced with the beginning of construction on Segment T1.



6.0 EXHIBITS

Exhibit 1 - GRP Program Schedule

Exhibit 2 - Selected GRP Program Design Contracts

Exhibit 3 - Selected GRP Program Consultant Contracts

Exhibit 4 - Selected GRP Program Construction Contracts

Exhibit 5 - Monthly GRP Program Financing Report

Exhibit 6 - GRP Unaudited Schedule of Revenues & Expenses - Actual & Budget and Clarification of Actual & Budget Variances

Exhibit 7 - GRP Program Capital Improvements Program Estimate-to-Complete

Exhibit 8 - GRP Program Fund Data

Exhibit 9- Funding Source Summary

Exhibit 10 - GRP Monthly Forecasted Expenditures for Contracted Services

Exhibit 11 - Estimate at Completion (EAC) for Current Authorizations

Exhibit 12 - Land Acquisition Summary

Exhibit 13 - GRP Program Monthly Meeting Log

Exhibit 14 - Surface Water Facilities (SWF) Construction Photos

Exhibit 15 - Transmission Line Construction Photos



Exhibit 1 - GRP Program Schedule

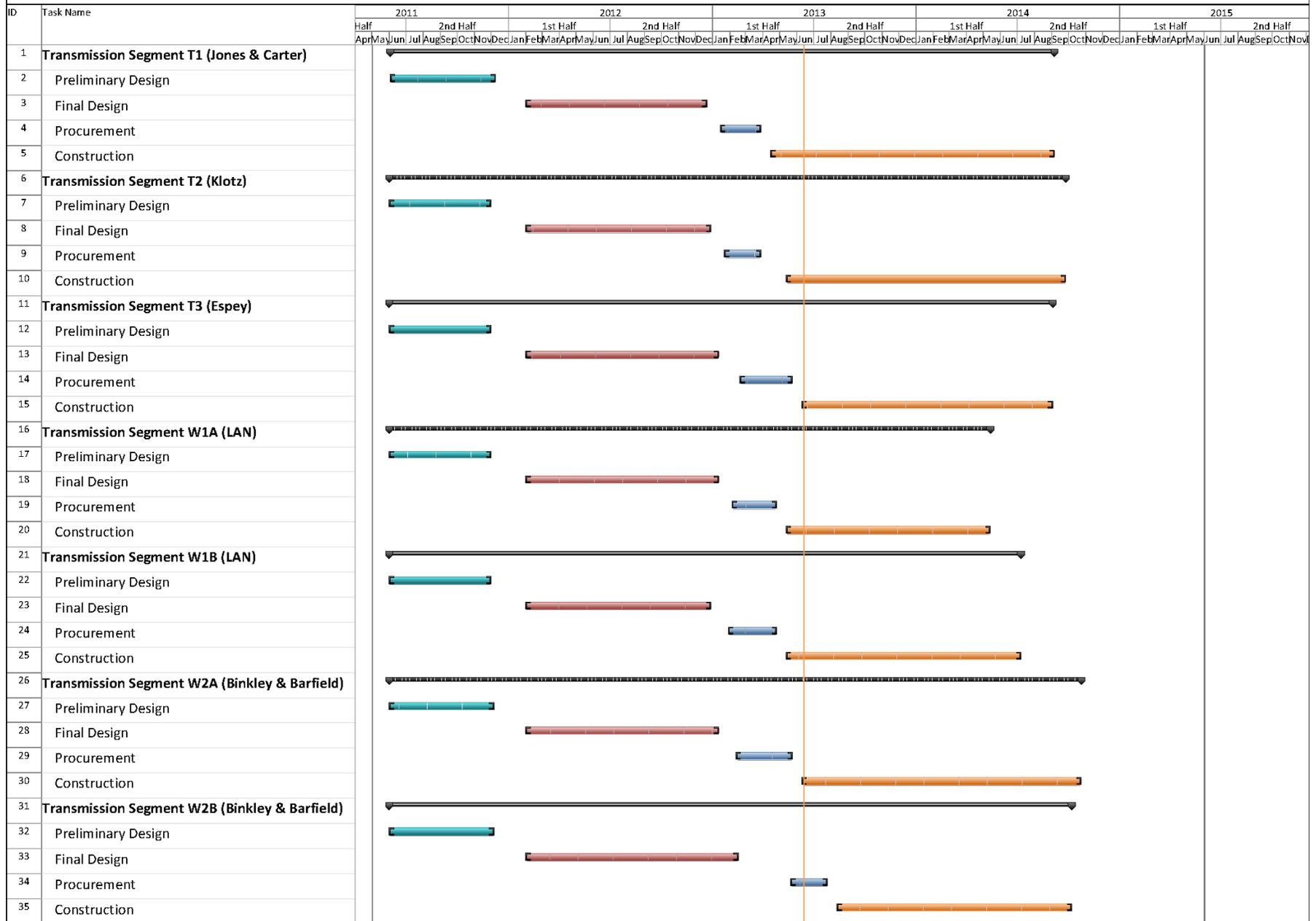


Exhibit 1 - GRP Program Schedule

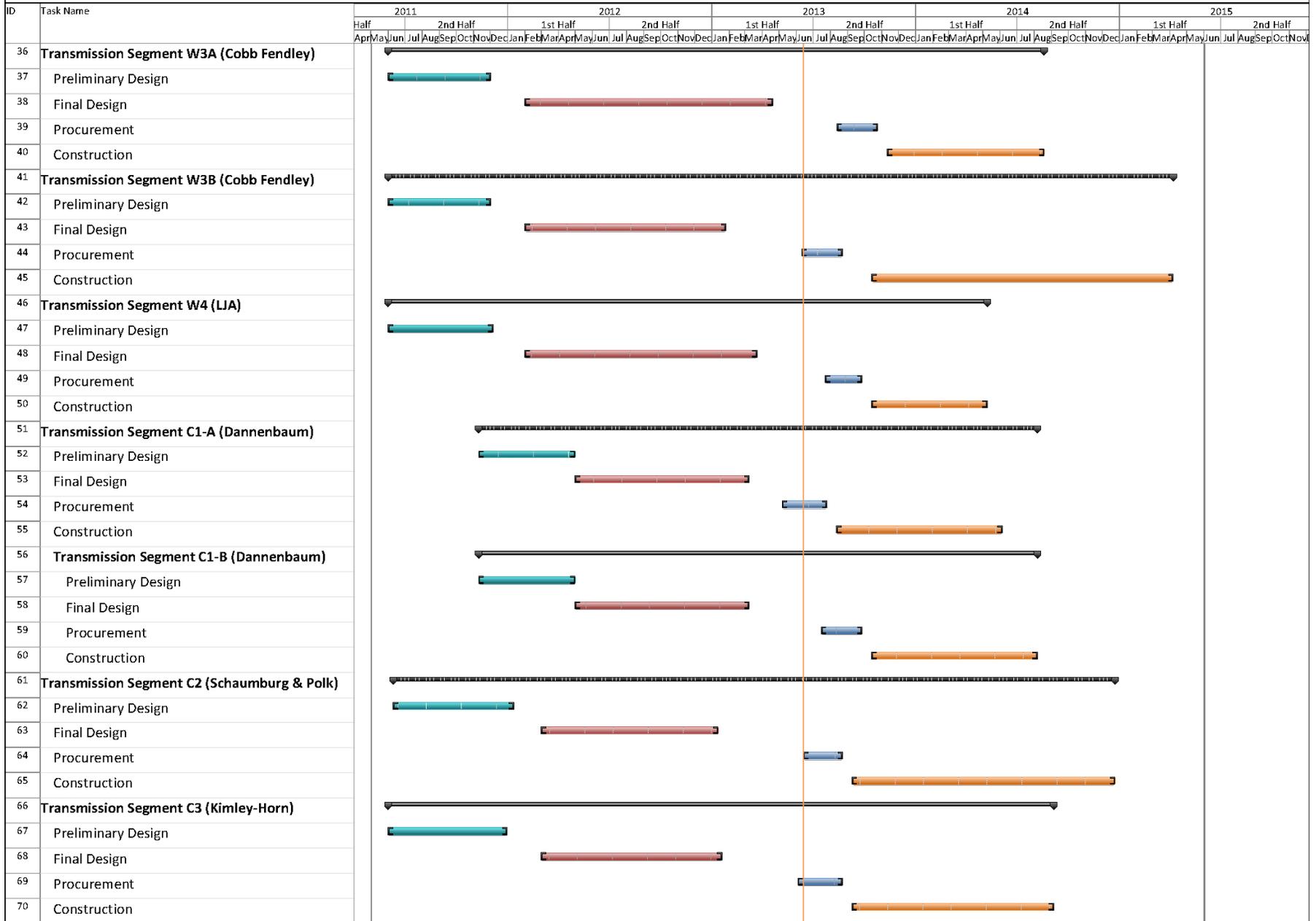


Exhibit 1 - GRP Program Schedule

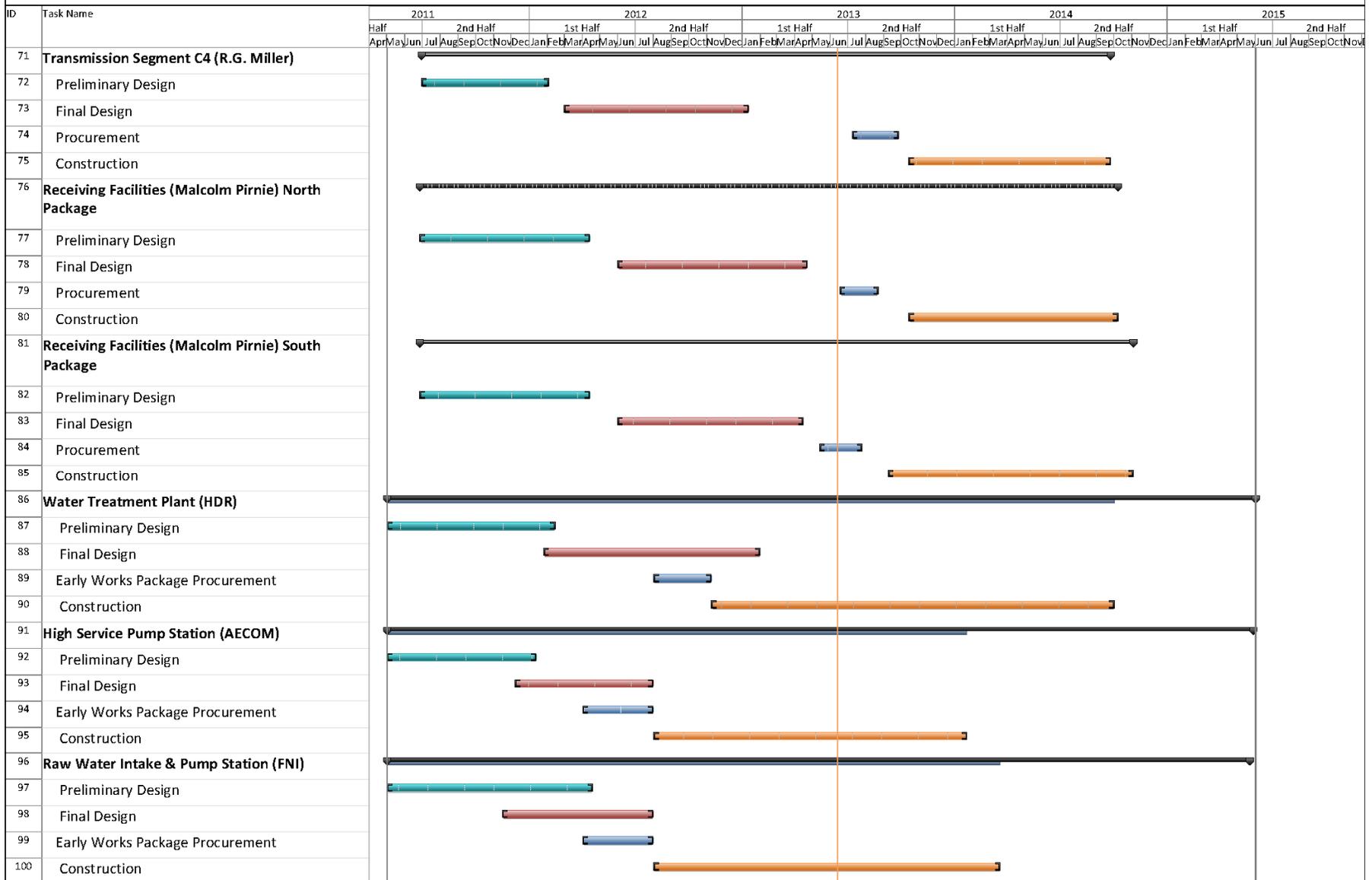


Exhibit 2

Selected GRP Program Design Contracts

May 2013

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 ⁽¹⁾	Transmission Segment T1	\$ 875,096	100%	\$ -		\$ 967,385	100%	\$ 252,899.00	0%	\$ 14,521,937 ⁽²⁾
Klotz	Transmission Segment T2	\$ 623,565	100%	\$ 170,848	100%	\$ 823,869	100%	\$ 260,445.00	0%	\$ 13,383,928 ⁽²⁾
Espey	Transmission Segment T3	\$ 552,666	100%	\$ 146,847	100%	\$ 901,118	100%	\$ 291,692.22	0%	\$ 10,801,955
Lockwood, Andrews, Newnan	Transmission Segment W1	\$ 920,621	100%	\$ 172,484	100%	\$ 1,086,983	100%	\$ 284,980.50	0%	\$ 15,435,545 ⁽²⁾
Binkley & Barfield, Inc.	Transmission Segment W2	\$ 956,154	100%	\$ 39,017	100%	\$ 1,580,296	96%	\$ 251,700.00	0%	\$ 27,495,952
Cobb Fendley	Transmission Segment W3	\$ 1,076,441	100%	\$ 535,228	95%	\$ 1,609,338	95%			\$ 18,149,072
LJA	Transmission Segment W4	\$ 364,360	100%	\$ 32,482	85%	\$ 528,856	92%			\$ 6,670,718
Dannenbaum	Transmission Segment C1	\$ 267,721	100%	\$ 38,034	100%	\$ 509,769	95%			\$ 7,097,231
Schaumburg & Polk	Transmission Segment C2	\$ 1,000,819	100%	\$ 316,180	100%	\$ 685,068	98%			\$ 11,988,094
Kimley-Horn	Transmission Segment C3	\$ 490,286	100%	\$ 159,740	100%	\$ 616,103	95%			\$ 7,912,316
R.G. Miller	Transmission Segment C4	\$ 217,507	100%	\$ 18,016	100%	\$ 281,449	98%			\$ 3,805,641
Malcolm Pirnie ⁽¹⁾	Receiving Facilities	\$ 589,134	100%	\$ -		\$ 1,338,371	98%			\$ 13,759,750



Exhibit 2 (con't)

Selected GRP Program Design Contracts

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	98%	\$ 2,914,770.00	5.0%	\$ 121,275,438 ⁽²⁾
AECOM, Inc.	High Service Pump Station	\$ 1,072,948	100%			\$ 3,044,066	100%	\$ 940,719.00	30%	\$ 35,661,233 ⁽²⁾
Freese and Nichols, Inc.	Raw Water Intake and Pump Station	\$ 1,138,540	100%			\$ 1,523,752	100%	\$ 969,860.00	50%	\$ 31,323,850 ⁽²⁾
ACES	Access Rd. & San. Swr. Relocation; Temp. SWF Access Rd.					\$ 420,638	100%	\$ 49,960.36	100%	\$ 525,756; \$ 1,389,868 (2)
EMA, Inc.	Fiber Optic System	\$ 161,390	100%			\$ 279,899	93%			\$ 5,364,000
TOTALS		\$ 13,386,521	-	\$ 1,628,876	-	\$ 23,891,091	-	\$ 6,217,026	-	\$ 347,105,676

⁽¹⁾ Metes and bounds efforts are included in the final design survey work order.

⁽²⁾ Contracted amount



Exhibit 3
Selected GRP Program Consultant Contracts
May 2013

Engineering Consultant	Program Consultant Service	Total Fee of Work Orders	Percent Complete
Brown & Gay Engineers	Program Management	\$ 10,695,245	82%
Raba Kistner	Geotechnical	\$ 145,260	64%
LandTech	Survey	\$ 514,524	89%
Halff	Environmental	\$ 569,919	100%
Property Acquisition Services	Land Acquisition	\$ 1,413,335	67%
V&A	Cathodic Protection	\$ 866,676	58%
KDM	Land Acquisition	\$ 401,593	83%
Andrews Kurth	Legal	\$ 2,700,000	82%
Mike Bellar	Legal	\$ 100,000	44%
Brown & Caldwell	CMAR Contract Development Assistance	\$ 78,202	100%
Greenburg Traurig	Legal	\$ 200,000	48%
AECOM	Transient	\$ 311,400	89%
KBR	CM&I	\$ 8,124,255	8%
CDM	CA&I	\$ 5,348,633	16%
Total		\$ 26,120,408	



Exhibit 4
Selected GRP Program Construction Contracts
May 2013

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%
CMAR	McCarthy	\$ 190,704,740	18%
SWF Construction Materials Testing	Geotest	\$ 1,976,659	25%
Transmission Lines Construction Materials Testing - North	Terracon	\$ 1,006,711	0%
Transmission Line T1	S.J Louis	\$ 14,521,937	0%
Transmission Line T2	Texas Sterling	\$ 13,383,928	0%
Transmission Line T3	S.J Louis	\$ 10,287,576	0%
Transmission Line W1A	Huff & Mitchell	\$ 8,222,001	0%
Transmission Line W1B	Texas Sterling	\$ 7,213,545	0%
Transmission Line W2A	Texas Sterling	\$ 15,288,526	0%
Transmission Lines Construction Materials Testing - South	Aviles	\$ 1,601,330	0%
Total		\$ 267,950,123	



Exhibit 5

Monthly GRP Program Financing Report

Fiscal Year 2013

Through May 31, 2013

	WIF Funds	2011 Special Projects Revenue Bonds	TWDB 2011a Fund	2012 Special Projects Revenue Bonds	2012a 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	\$ 165,000,000.00	\$ 512,400,358.49
Total Investment	\$ 21,500,000.00	\$ 83,430,358.49	\$ 67,470,000.00	\$ 175,000,000.00	\$ 165,000,000.00	\$ 512,400,358.49
B. Contracted Costs						
Contracts Completed	\$ 17,113,312.84	\$ 17,692,022.96	\$ 2,544,713.80	\$ -	\$ -	\$ 37,350,049.60
Current Contract Values	\$ 3,897,829.00	\$ 33,553,088.93	\$ 33,747,970.81	\$ 161,159,055.87	\$ 90,204,386.49	\$ 322,562,331.10
Change Orders	\$ -	\$ 1,080,486.17	\$ 265,799.60	\$ -	\$ -	\$ 1,346,285.77
Project Close Out	\$ (326,370.13)	\$ (486,083.79)	\$ -	\$ -	\$ -	\$ (812,453.92)
Total	\$ 20,684,771.71	\$ 51,839,514.27	\$ 36,558,484.21	\$ 161,159,055.87	\$ 90,204,386.49	\$ 360,446,212.55
C. Expenditures						
Paid Previous Fiscal Years	\$ 19,937,479.81	\$ 21,326,145.92	\$ 242,086.86	\$ -	\$ -	\$ 41,505,712.59
Paid Current Fiscal Year	\$ 428,523.45	\$ 18,493,388.02	\$ 10,379,584.52	\$ 22,366,517.21	\$ -	\$ 51,668,013.20
Issuance Costs	\$ 470,337.08	\$ 2,049,764.39	\$ 751,195.33	\$ 971,769.13	\$ 952,269.99	\$ 5,195,335.92
Debt Service Reserve Fund	\$ -	\$ -	\$ 3,859,151.00	\$ -	\$ 16,500,000.00	\$ 20,359,151.00
Capitalized Interest	\$ -	\$ 7,858,241.52	\$ 5,166,233.00	\$ 12,869,175.00	\$ 14,139,669.00	\$ 40,033,318.52
Total	\$ 20,836,340.34	\$ 49,727,539.85	\$ 20,398,250.71	\$ 36,207,461.34	\$ 31,591,938.99	\$ 158,761,531.23
D. Remaining						
Uncontracted Funds	\$ 344,891.21	\$ 21,682,838.31	\$ 21,134,936.46	\$ (0.00)	\$ 43,203,674.52	\$ 86,366,340.50
Fund Balance *	\$ 663,659.66	\$ 33,702,818.64	\$ 47,071,749.29	\$ 138,792,538.66	\$ 133,408,061.01	\$ 353,638,827.26

*Excluding net investment income



Exhibit 6

San Jacinto River Authority Groundwater Reduction Plan

Schedule of Revenues & Expenses - Actual & Budget For the Nine Months Ending May 31, 2013

	May	Fiscal Year To Date				Fiscal Budget	
	Actual	Actual	Budget	Variance	% Variance	Total Year Budget	Actual YTD % of Tot Yr. Budget
OPERATING REVENUES							
Water sales							
GRP pumping fees	\$ 2,669,245	\$ 15,419,407	\$ 14,836,990	\$ 582,417	4%	\$ 21,997,181	70%
TOTAL OPERATING REVENUES	\$ 2,669,245	\$ 15,419,407	\$ 14,836,990	\$ 582,417	4%	\$ 21,997,181	70%
OPERATING EXPENSES							
Payroll & employee benefit expenses	\$ 209,908	\$ 2,000,908	\$ 3,033,113	\$ 1,032,205	34%	\$ 4,044,146	49%
Professional fees	19,647	146,288	294,003	147,715	50%	344,000	43%
Purchased & contracted services	14,981	81,479	177,563	96,084	54%	236,750	34%
Supplies, materials & utilities	57,576	2,141,577	2,463,614	322,036	13%	2,533,168	85%
Maintenance repairs, parts & rentals	1,420	9,659	11,520	1,861	16%	15,360	63%
General & administration	79,518	567,099	843,239	276,140	33%	1,124,319	50%
TOTAL OPERATING EXPENSES	\$ 383,050	\$ 4,947,009	\$ 6,823,051	\$ 1,876,042	27%	\$ 8,297,743	60%
NON-OPERATING REVENUES & EXPENSES							
Interest on investments	\$ 191,907	\$ 848,174	\$ 1,776,836	\$ (928,662)	(52%)	\$ 2,369,785	36%
Other revenues	-	1,430	-	1,430	100%	-	100%
Depreciation	(21,584)	(187,849)	-	(187,849)	100%	-	100%
Interest expense	(1,661,355)	(12,760,691)	(12,437,015)	(323,676)	3%	(17,540,882)	73%
Amortized debt issuance expense	(14,142)	(127,278)	-	(127,278)	100%	-	100%
TOTAL NON-OPERATING	\$ (1,505,175)	\$ (12,226,215)	\$ (10,660,179)	\$ (1,566,035)	15%	\$ (15,171,097)	81%
NET INCOME (LOSS)	\$ 781,020	\$ (1,753,817)	\$ (2,646,241)	\$ 892,424	(34%)	\$ (1,471,659)	119%



Exhibit 6 (con't)

GRP Division

Clarification of Actual & Budget Variances

(in thousands)

Category	Driver	May 2013	FYTD 2013
GRP Pumping Fees	Usage variance due to weather conditions.	528	582
Payroll and related expenses	Budgeted positions not filled per schedule.	127	1,032
Professional Fees	Professional fees less than budgeted.	(3)	148
Purchased & Contracted Services	Purchased and contracted services less than budgeted.	5	96
Supplies, Materials, Utilities, Maintenance, Repairs, Parts & Rentals	Additional Water Supply, costs not yet realized.	-	300
	Reservation Fees 2012 true-up	-	33
	Travel, fuel, office supplies, phones, utilities, recruiting and misc. expenses more than budgeted.	(33)	(9)
General & Administration	Allocated labor and related expenses less than budgeted, anticipated a quicker rate of growth than has been actualized.	14	276
Non-Operating	Interest/Investment Income	(7)	(927)
	Depreciation expense	(22)	(188)
	Bond Issuance Cost Amort expense	(14)	(127)
	Bond interest expense	40	(324)
		<u>635</u>	<u>892</u>



Exhibit 7

GRP Program Capital Improvements Program Estimate-At-Completion

SERVICES	ESTIMATE-AT-COMPLETION
Pre-Engineering Phase Services	\$ 4,692,437
(GRP Development, Environmental Studies, Pilot Plant, Surface Water Treatment Plant Site Survey)	
Engineering Phase Services	\$ 42,424,131
(Planning, Preliminary Engineering, Final Engineering, Geotechnical, Survey, Metes & Bounds, Subsurface Utility Investigation, Environmental)	
Construction Phase Services	\$ 27,664,050
(Engineering Services During Construction, Construction Management & Inspection [Transmission System], Construction Administration & Inspection [SWF], Material Testing)	
Construction	\$ 391,490,095
(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	\$ 7,097,231
Transmission Segment C2 - Construction	\$ 11,988,094
Transmission Segment C3 - Construction	\$ 7,912,316
Transmission Segment C4 - Construction	\$ 3,805,641
Transmission Segment T1 - Construction	\$ 15,248,034
Transmission Segment T2 - Construction	\$ 14,053,125
Transmission Segment T3 - Construction	\$ 10,801,955
Transmission Segment W1 - Construction	\$ 16,207,322
Transmission Segment W2 - Construction	\$ 27,495,952
Transmission Segment W3 - Construction	\$ 18,149,072
Transmission Segment W4 - Construction	\$ 6,670,718
Receiving Facilities - Construction	\$ 17,107,925
SWF Work Package No. 1	\$ 10,346,793
SWF Work Package No. 2	\$ 32,528,047
SWF Work Package No. 3	\$ 47,456,718
SWF Work Package No. 4 (GMP)	\$ 100,373,182
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.	\$ 4,326,704
Relocation ⁽¹⁾	
Other Offsite Construction (Stand Pipe, Transmission Line Utility Relocations, Receiving Facility Improvements) ⁽¹⁾	\$ 20,702,426
Non-Project Specific Contingency	\$ 5,854,841
Program Management	\$ 12,172,293
(GRP Program Management, Survey, Geotechnical, Transient, Corrosion, Legal Consultants)	
Land Acquisition	\$ 11,978,302
(Legal, Appraisal, Title Research, Land Acquisition Consultants) ⁽²⁾	
Total:	\$ 490,421,308

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 8

GRP Program Fund Data as of May 31, 2013

Funding Source	Amount Authorized by Board To-Date	Interest Rate	Bond Costs	Capitalized Interest	Debt Service Reserve Fund	Net Amount Currently Available	Pending Funding Source	Invoiced To Date ⁽⁴⁾	Remaining Amount
WIF Bond Issue	\$ 21,500,000.00	.854% - 2.706%	\$ 470,337.08	\$ -	\$ -	\$ 21,029,662.92		\$ 20,406,275.83	\$ 623,387.09
Open Market Bond Issue (Series 2C)	\$ 83,430,358.49	3% - 5.25%	\$ 2,049,764.39	\$ 7,858,241.52	\$ -	\$ 73,522,352.58		\$ 39,805,721.11	\$ 33,716,631.47
TWDB Dfund Series 2011A	\$ 67,470,000.00	1.22% - 4.97%	\$ 751,195.33	\$ 5,166,233.00	\$ 3,859,151.00	\$ 57,693,420.67		\$ 11,167,794.57	\$ 46,525,626.10
TWDB Dfund Series 2012	\$ 175,000,000.00	1.17% - 4.62%	\$ 971,769.13	\$ 12,869,175.00	\$ -	\$ 161,159,055.87		\$ 22,365,765.21	\$ 138,793,290.66
TWDB Dfund Series 2012A	\$ 165,000,000.00	1.26% - 4.62%	\$ 952,269.99	\$ 14,139,669.00	\$ 16,500,000.00	\$ 133,408,061.01		\$ -	\$ 133,408,061.01
Subtotal Approved Amounts	\$ 512,400,358.49		\$ 5,195,335.92	\$ 40,033,318.52	\$ 20,359,151.00	\$ 446,812,553.05	\$ -	\$ 93,745,556.72	\$ 353,066,996.33
Future Series 2013 (Est.)	\$ 39,850,000.00	4.01%	\$ 628,750.00	\$ 2,837,087.00	\$ 2,275,747.00	\$ -	\$ 34,108,416.00	\$ -	\$ 34,108,416.00
Future Series 2014 (Est.)	\$ 10,710,000.00	4.06%	\$ 293,700.00	\$ 787,388.00	\$ 128,573.00	\$ -	\$ 9,500,339.00	\$ -	\$ 9,500,339.00
Subtotal Future Amounts	\$ 50,560,000.00		\$ 922,450.00	\$ 3,624,475.00	\$ 2,404,320.00	\$ -	\$ 43,608,755.00	\$ -	\$ 43,608,755.00
Totals	\$ 562,960,358.49		\$ 6,117,785.92	\$ 43,657,793.52	\$ 22,763,471.00	\$ 446,812,553.05	\$ 43,608,755.00	\$ 93,745,556.72	\$ 396,675,751.33

Notes:

1. These value do not include investment income.
2. Green 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. Through report preparation date: June 12, 2013



Exhibit 9 Funding Source Summary May 31, 2013

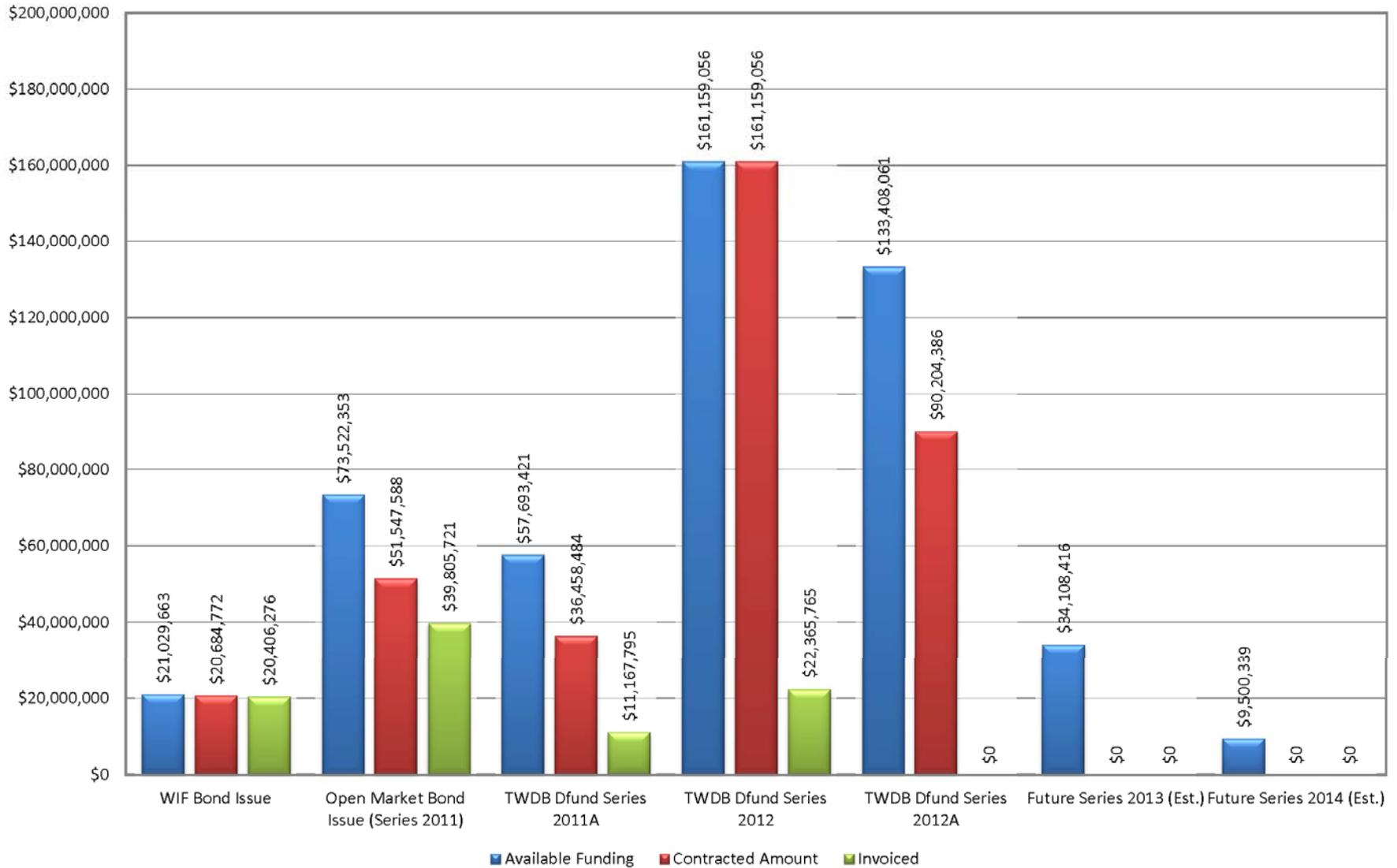


Exhibit 10

GRP Program Monthly Forecasted Expenditures for Contracted Services May 31, 2013

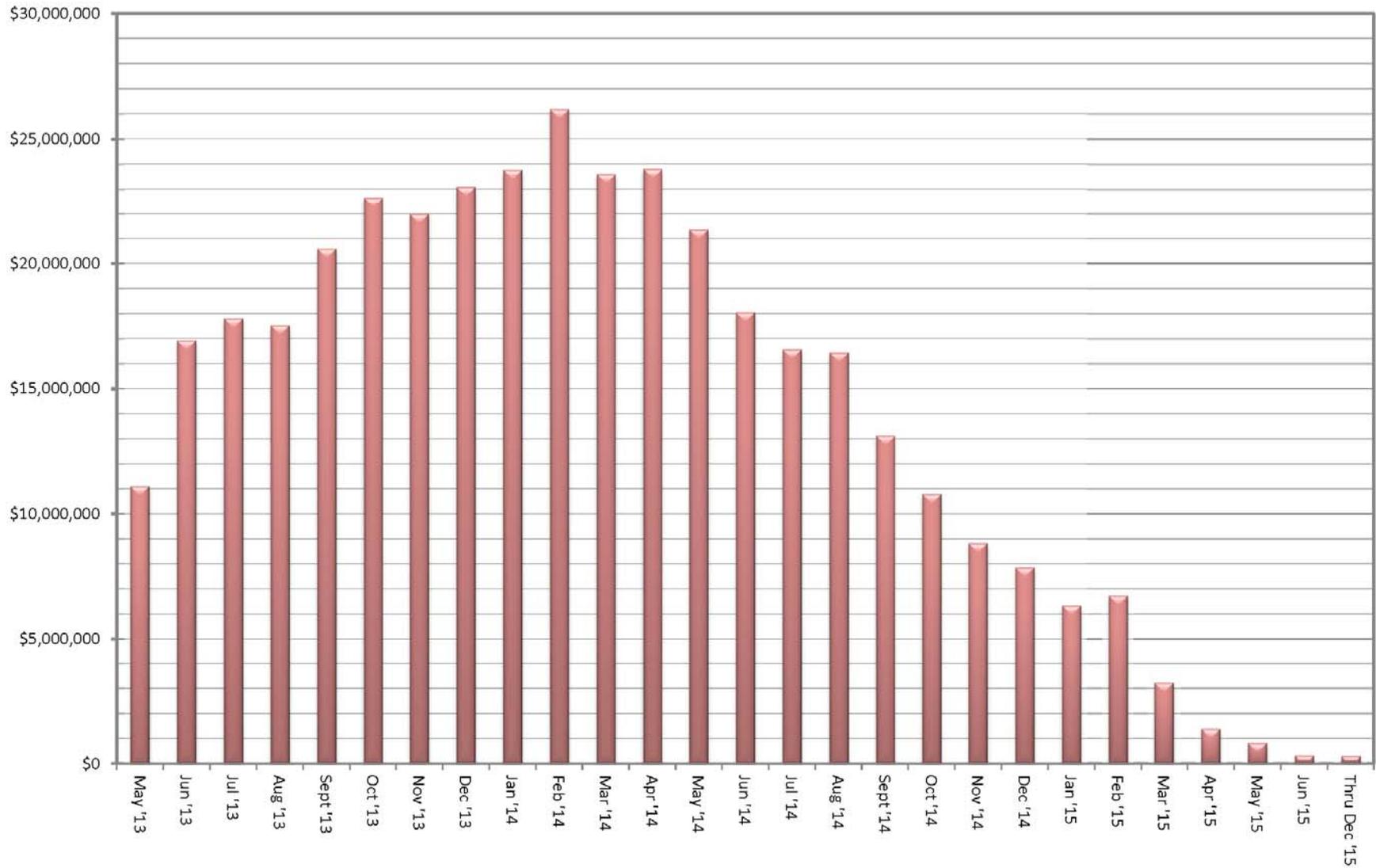


Exhibit 11
Estimate at Completion (EAC) for Current Authorizations
May 31, 2013

Surface Water Transmission System

Project	Firm	Amount Authorized by Board	Board Authorized Modifications		Forecasted Modification Amount	Estimate at Completion (EAC)
			Dollars	%		
T1	Jones & Carter	\$ 2,254,778.75	\$ 93,500.00	4.1%		\$ 2,348,278.75
T2	Klotz	\$ 2,139,172.49		0.0%		\$ 2,139,172.49
T3	Espey	\$ 1,554,649.26		0.0%		\$ 1,554,649.26
W1	LAN	\$ 2,465,068.90		0.0%		\$ 2,465,068.90
W2	Binkley & Barfield	\$ 2,568,427.19	\$ 7,040.00	0.3%		\$ 2,575,467.19
W3	Cobb Fendley	\$ 3,221,006.86		0.0%		\$ 3,221,006.86
W4	LJA	\$ 875,641.72	\$ 17,574.56	2.0%		\$ 893,216.28
C1	Dannenbaum	\$ 796,277.94	\$ 19,246.00	2.4%		\$ 815,523.94
C2	Schaumburg & Polk	\$ 1,795,761.18	\$ 206,305.49	11.5%		\$ 2,002,066.67
C3	Kimley-Horn	\$ 1,202,256.89	\$ 31,936.55	2.7%		\$ 1,234,193.44
C4	R.G. Miller	\$ 526,737.05		0.0%		\$ 526,737.05
WRFs	Malcolm Pirnie/Arcadis	\$ 1,927,504.97		0.0%		\$ 1,927,504.97
CM&I	KBR	\$ 8,124,254.62		0.0%		\$ 8,124,254.62
Subtotal - Surface Water Transmission System		\$ 29,451,537.82	\$ 375,602.60	1.3%	\$ -	\$ 29,827,140.42

Surface Water Facilities

Project	Firm	Amount Authorized by Board	Board Authorized Modifications		Forecasted Modification Amount	Estimate at Completion (EAC)
			Dollars	%		
WTP	HDR	\$ 17,180,295.92	\$ 533,488.00	3.1%		\$ 17,713,783.92
HSPS	AECOM	\$ 4,322,957.28		0.0%		\$ 4,322,957.28
StandPipe	AECOM	\$ 192,281.00		0.0%		\$ 192,281.00
RWI&PS	Freese and Nichols	\$ 3,901,773.35		0.0%		\$ 3,901,773.35
CMAR	McCarthy	\$ 190,704,740.00		0.0%		\$ 190,704,740.00
CA&I	CDM	\$ 5,348,633.00		0.0%		\$ 5,348,633.00
Subtotal - Surface Water Facilities		\$ 221,650,680.55	\$ 533,488.00	0.2%	\$ -	\$ 222,184,168.55



Exhibit 11 (con't)

Estimate at Completion (EAC) for Current Authorizations

May 31, 2013

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	\$ 10,695,245.06		0.0%		\$ 10,695,245.06
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	\$ 420,650.24		0.0%		\$ 420,650.24
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	\$ 3,837,315.30		0.0%		\$ 3,837,315.30
Subtotal - Program Consultant Services & Other Projects		\$ 19,449,319.76	\$ 234,761.29	1.2%	\$ -	\$ 19,684,081.05

Construction Contracts

Project	Firm	Amount Authorized by Board	Board Authorized Modifications		Forecasted Modification Amount	Estimate at Completion (EAC)
			Dollars	%		
GRP Bldg No. 1	Brookstone	\$ 2,009,900.00	\$ (1,227.00)	-0.1%		\$ 2,008,673.00
Bldg No. 1 CMT	Aviles	\$ 43,152.95		0.0%		\$ 43,152.95
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	\$ 10,359.70		0.0%		\$ 10,359.70
Aqua Texas Sewer	Randy Roan	\$ 516,650.50	\$ 9,106.17	1.8%		\$ 525,756.67
Aqua Texas CMT	Aviles	\$ 21,190.20		0.0%		\$ 21,190.20
Bldg No. 1 Fiber Line	Preferred Technologies	\$ 257,339.65	\$ (26,182.09)	-10.2%		\$ 231,157.56
SWF CMT	Geotest	\$ 1,976,659.00		0.0%		\$ 1,976,659.00
Other	Other Construction Contracts	\$ 481,718.91		0.0%		\$ 481,718.91
Subtotal - Construction Contracts		\$ 6,390,656.91	\$ (27,150.07)	-0.4%	\$ -	\$ 6,363,506.84

Totals

	Amount Authorized by Board	Board Authorized Modifications		Forecasted Modification Amount	Estimate at Completion (EAC)
		Dollars	%		
Subtotal - Surface Water Transmission System	\$ 29,451,537.82	\$ 375,602.60	1.3%	\$ -	\$ 29,827,140.42
Subtotal - Surface Water Facilities	\$ 221,650,680.55	\$ 533,488.00	0.2%	\$ -	\$ 222,184,168.55
Subtotal - Program Consultant Services & Other Projects	\$ 19,449,319.76	\$ 234,761.29	1.2%	\$ -	\$ 19,684,081.05
Subtotal - Construction Contracts	\$ 6,390,656.91	\$ (27,150.07)	-0.4%	\$ -	\$ 6,363,506.84
Total	\$ 276,942,195.04	\$ 1,116,701.82	0.4%	\$ -	\$ 278,058,896.86



Exhibit 12
Land Acquisition Summary
May 2013

Project	Anticipated Number of Easements to Acquire	Easements Acquired This Month	Easements Acquired Total
Transmission System Segment T1	62	4	57
Transmission System Segment T2	0	0	0
Transmission System Segment T3	22	1	5
Transmission System Segment C1	16	1	10
Transmission System Segment C2	77	3	18
Transmission System Segment C3	32	0	16
Transmission System Segment C4	4	0	0
Transmission System Segment W1	32	2	17
Transmission System Segment W2	8	0	0
Transmission System Segment W3	178	2	72
Transmission System Segment W4	7	1	1
Totals:	438	14	196



Exhibit 13
GRP Program Monthly Meeting Log
May 2013

Meeting	Subject of Meeting	Location	Date	Participants
SJRA & Lone Star Groundwater Conservation District (LSGCD) Meeting		LSGCD Offices	5/2/2013	SJRA Staff and LSGCD Staff
Discussion Regarding Traffic Control at Grogans Mill	Traffic Control at Grogans Mill	GRP Building 1	5/6/2013	SJRA Staff, GRP Program Team and Representatives from The Woodlands Township
Lake Bonanza Board Meeting	GRP Program	IHOP	5/9/2013	Lake Bonanza HOA and GRP Administrator
W1B and T2 Preconstruction Meetings	W1B and W1A	GRP Building 1	5/13/2013	SJRA Staff, GRP Program Team, W1B Consulting Team, T2 Consulting Team and Construction Teams
Presentation to Mariner Realty	GRP Program	Mariner Realty Offices	5/13/2013	GRP Program Administrator
GRP Review Committee	GRP Items Going Before SJRA Board of Directors	G&A Board Room	5/20/2013	Review Committee, GRP Program Team, General Public
Pre-Proposal Conference for Segment C1A	Segment C1A	G&A Offices	5/21/2013	SJRA Staff, GRP Program Team, Potential Offerors
Construction Communications Team Meeting	GRP Program Construction	SJRA Woodlands Offices	5/21/2013	SJRA Staff, GRP Program Administrator, GRP Program Team, Representatives From Various Organizations Within Conroe and The Woodlands



Exhibit 13 (con't)
GRP Program Monthly Meeting Log
May 2013

Meeting	Subject of Meeting	Location	Date	Participants
Meeting With Village of Cochrans Crossing	GRP Program	The Township	5/28/2013	SJRA Staff, GRP Program Administrator, Cochrans Crossing
SJRA Board of Directors	Agenda Related	G&A Offices	5/23/2013	SJRA Board of Directors, GRP Program Team staff, General Public
Surface Water Facility Partnering Session	Surface Water Facility	GRP Building 1	5/30/2013	SJRA Staff, GRP Program Team, Construction Team and Consultant Team
Grogan's Mill Traffic Control Plan Meeting	Traffic Control at Grogan's Mill	County Precinct 3	5/30/2013	SJRA Staff, GRP Administrator and County Commissioner
Meeting Regarding Segments WO4 and WO12	Segments WO4 and WO12	GRP Building 1	5/31/2013	SJRA Staff, GRP Program Team, Construction Team and Consultant Team
Land Acquisition Conference Calls	Land Acquisition	GRP Building 1, Andrews Kurth	Weekly	Andrews Kurth, SJRA

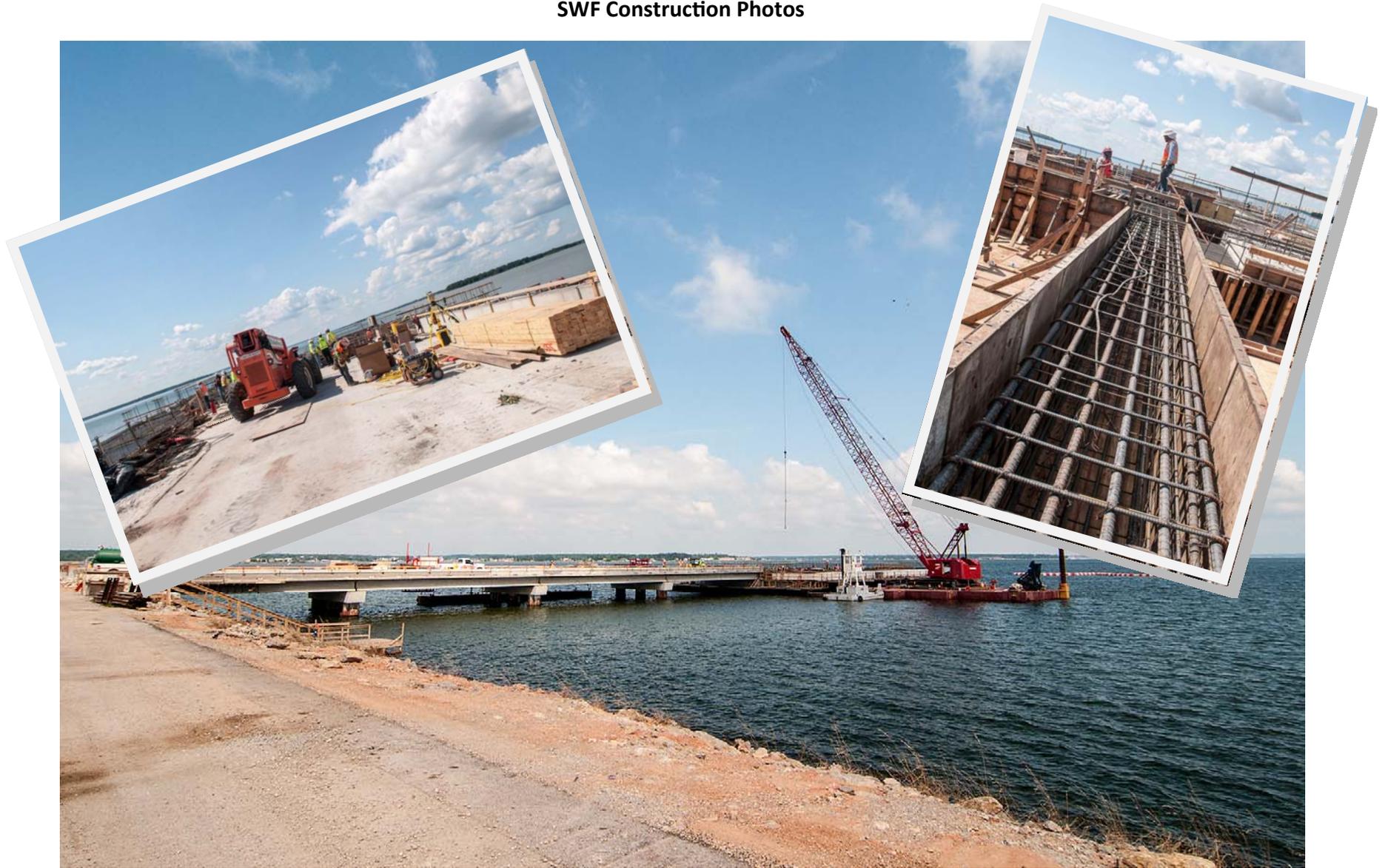


EXHIBIT 14
SWF Construction Photos



Raw Water Pump Station at end of Pier

EXHIBIT 14 (con't)
SWF Construction Photos



Raw Water Pump Station - Pier and Foundation nearing completion

EXHIBIT 14 (con't)
SWF Construction Photos



Ground Storage Tank Nos. 1 and 2 - Wall and roof panel placement

EXHIBIT 14 (con't)
SWF Construction Photos



Pretreatment Facilities

EXHIBIT 14 (con't)
SWF Construction Photos



Excavation at Membrane and Pretreatment Facilities



Pipe Penetration at Membrane Facility

EXHIBIT 14 (con't)
Construction Photos



Fence Along White Oak Subdivision Boundary



Panel and Wall Installation at Ground Storage Tank Nos. 1 and 2



High Service Pump Station



Pipe Installation Downstream of High Service Pump Station

EXHIBIT 14 (con't)
Construction Photos



EXHIBIT 15
Transmission Line Construction Photos



Oak Tree Protection Measures along Segment T1 below Lake Conroe Dam

EXHIBIT 15 (con't)
Transmission Line Construction Photos



Segment T1 Tunnel Pit behind G&A Building



Segment T1 Mobilization along SJRA SWF Site



Segment T1 Tunnel Pit behind G&A Building



Segment T1 Tunnel Pit behind G&A Building

