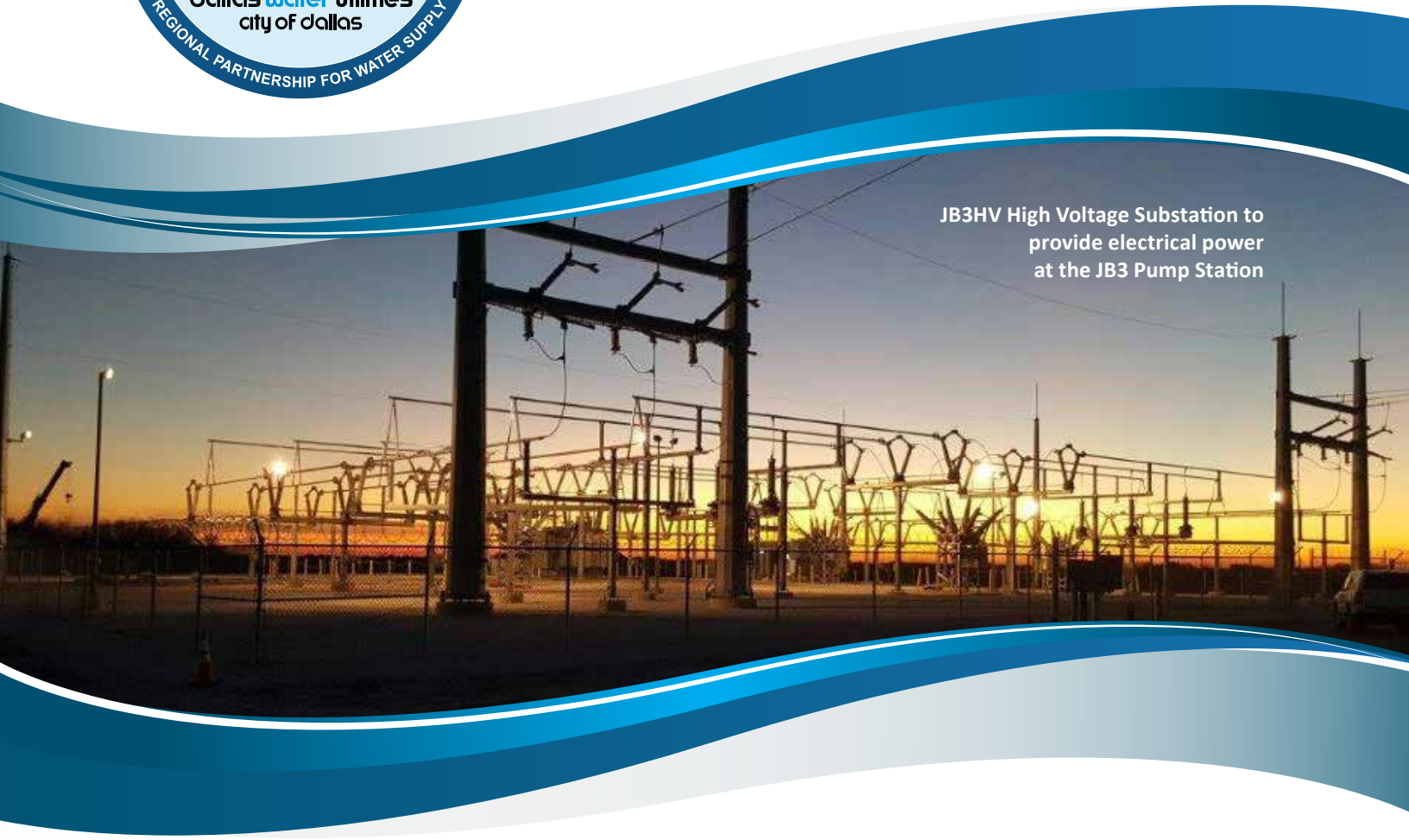




INTEGRATED PIPELINE PROJECT

MONTHLY EXECUTIVE SUMMARY

January 2017



JB3HV High Voltage Substation to provide electrical power at the JB3 Pump Station

IPL PROGRAM MANAGEMENT

Tarrant Regional Water District

804 East Northside Drive

Fort Worth, TX 76102

817.720.4469 p

817.720.4397 f

iplproject.com

@IPL_Project

TARRANT REGIONAL WATER DISTRICT (TRWD) and the CITY OF DALLAS

WATER UTILITIES (DWU) have partnered to finance, plan, design, construct and operate the Integrated Pipeline (IPL) Project. The IPL Project is an integrated water delivery transmission system connecting Lake Palestine to Lake Benbrook with connections to Cedar Creek and Richland-Chambers Reservoirs integrating TRWD's existing pipelines and creating flexibility in delivery as well as quick response to fluctuating customer water demands. The IPL Project consists of 150 miles of pipeline, three new lake pump stations, and three new booster pump stations delivering a required capacity of 350 million gallons per day (MGD) of raw water to North Central Texas. TRWD and DWU currently serve over 4.1 million residents and the IPL will allow these agencies to continue supporting regional community and economic growth.

PROGRAM SUPPORT SERVICES

as of 01.31.17

CONTRACT DESIGN AND CONSTRUCTION	DESCRIPTION	BUDGET	CONTRACTS ISSUED	TOTAL INVOICED
PROGRAM WIDE PROFESSIONAL SERVICES		\$133,061,000	\$88,359,307	\$83,576,094
Program Management	Overall program management services for implementation of the IPL Project. (Extension of TRWD staff)	\$45,000,000	\$35,124,711	\$35,124,711
Conceptual Design / Environmental / Permitting	Operations plan & Prepare 404 permit application, Envision Application Completion	\$13,551,000	\$13,472,389	\$13,093,117
Value Engineering	Expert review of design	\$640,000	\$472,248	\$472,248
Surveying and Mapping	Control, property survey, legal descriptions, and Provide SUE Level A Survey, GIS	\$14,600,000	\$11,858,055	\$10,398,837
Geotechnical	Initial Characterization of entire IPL Project	\$12,037,000	\$12,026,275	\$12,039,115
Corrosion Engineering Services	Engineering Corrosion Control	\$3,891,000	\$5,326,362	\$3,902,269
Land, Easement Acquisition, & Support Studies	Right of Entry and Land Acquisition Support Services	\$33,993,000	\$3,464,526	\$3,418,559
		\$3,500,000	\$3,583,743	\$3,402,626
SCADA System	Engineering of SCADA system	\$640,000	\$1,508,213	\$256,000
Microwave System	Engineering of Communications System	\$5,210,000	\$1,522,785	\$1,468,609
DESIGN		\$152,839,000	\$128,343,725	\$113,491,064
Completed		\$101,901,000	\$95,902,930	\$95,153,466
Active		\$24,159,000	\$31,902,379	\$18,337,598
CH2M Hill	Project Operational Information and Operations Manual		\$3,044,922	\$2,182,627
CH2M Hill	Final Conformance of Design of JCC1	\$728,000	\$2,861,718	\$567,784
MWH	Final Conformance of Design of Section 9/10/11	\$506,000	\$812,562	\$533,231
Black & Veatch	Final Design of Section 12/13/14 - 28.1 miles of 84 - inch and 108 - inch pipeline	\$11,292,000	\$9,704,622	\$9,651,306
Parsons	Final Conformance of Design of Sections 17/18/Tunnel	\$832,000	\$579,753	\$699,131
Brown & Gay	Final Design of Section 19-1	\$5,770,000	\$7,003,722	\$1,356,243
HDR	Final Design of Section 19-2	\$5,030,000	\$6,989,876	\$2,683,321
Burns & McDonnell Trans. Mgmt.	Development of Transportation Management Plan		\$905,203	\$663,954
Remaining		\$26,778,000	\$538,417	
CONSTRUCTION ADMINISTRATION		\$48,877,000	\$18,436,354	\$8,646,153
CONSTRUCTION / OWNER FURNISHED EQUIPMENT		\$1,729,540,000	\$612,940,450	\$389,884,661
Completed		\$3,700,000	\$3,860,755	\$3,644,051
Active		\$834,729,000	\$609,079,695	\$386,240,610
Pipeline Section 15-1		\$115,112,000	\$94,290,346	\$92,340,487
Garney Construction	Construction of Section 15-1	\$115,112,000	\$94,290,346	\$92,340,487
JB3		\$99,592,000	\$85,945,543	\$53,029,292
MWH Constructors	Construction of JB3 Pump Station	\$51,473,000	\$57,106,625	\$29,221,040
ASI Constructors	Construction of JB3 Reservoir	\$16,579,000	\$11,669,898	\$11,669,898
Oncor Electric	Installation of JB3 Substation Transmission Lines	\$1,066,000	\$957,119	\$923,119
Isolux Corsan	Construction of JB3 Substation	\$7,400,000	\$4,953,718	\$4,762,281
Pentair Flow Technologies	Construction of JB3 Pumps, Motors, Drives	\$23,074,000	\$11,258,183	\$6,452,954
Pipeline Section 12/13/MBR/IB4 Bypass		\$167,993,000	\$154,045,172	\$129,048,329
Thalle Midlothian	Construction of Sections 12/13/MBR/IB4 Bypass	\$146,310,000	\$143,270,617	\$121,323,626
BAR Constructors	Construction of Richland-Chambers/Cedar Creek Interconnection Facility	\$21,682,000	\$10,562,326	\$7,600,473
Hilco Electric	Relocation of Electrical Service Lines		\$88,000	
Hilco Electric	MBR Radio Tower Power		\$33,312	\$33,312
Oncor Electric	Provide Power to IPL 2X12		\$90,918	\$90,918

PROGRAM SUPPORT SERVICES

as of 01.31.17

CONTRACT DESIGN AND CONSTRUCTION	DESCRIPTION	BUDGET	CONTRACTS ISSUED	TOTAL INVOICED
Microwave System		\$6,398,000	\$5,376,289	\$4,533,546
Huffman Communications	Construction of Microwave Towers	\$6,398,000	\$5,376,289	\$4,533,546
Pipeline Section 15-2		\$97,217,000	\$52,640,265	\$47,786,651
BAR Constructors	Construction of Section 15-2	\$97,217,000	\$52,640,265	\$47,786,651
Pipeline Section 14		\$107,113,000	\$48,259,273	\$37,499,384
Garney Construction	Construction of Section 14	\$107,113,000	\$48,259,273	\$37,499,384
Pipeline Section 17		\$114,438,000	\$78,312,983	\$3,130,409
IPL Partners	Construction of Section 17 Tunnel	\$12,252,000	\$32,992,000	\$3,130,409
Thalle Midlothian	Construction of Sections 17/18/IB2 Bypass	\$102,186,000	\$45,320,983	\$0
JCC1		\$39,340,000	\$32,436,640	\$1,415,118
BAR Constructors	Construction of JCC1 Intake	\$21,564,000	\$19,741,750	\$1,415,118
Ebara	Construction of JCC1 Pumps, Motors, Drives	\$17,775,000	\$12,694,890	\$0
Pipeline Section 10/11		\$72,362,000	\$43,208,500	\$10,827,920
IPL Partners	Construction of Section 10/11	\$72,362,000	\$43,208,500	\$10,827,920
Valve Packages		\$15,165,000	\$14,564,684	\$6,629,475
Garney Construction	Valve Package 1 - Section 15-1 Butterfly Valves	\$518,000	\$262,244	\$166,900
Rodney Hunt	Valve Package 2 - Section 15-1 Interconnection Facility Valves	\$474,000	\$733,206	\$664,995
Blackhall Engineering	Valve Package 3 - JB3, Section 15-2, MBR Yard Gate Valves	\$5,500,000	\$6,274,534	\$3,632,451
Crispin Valves	Valve Package 4 - Section 12 RC/CC Interconnection, JB4 Bypass, MBR Yard Butterfly Valves	\$3,999,000	\$2,269,140	\$1,430,562
Crispin Valves	Valve Package 5 - JB3 Butterfly Valves	\$1,249,000	\$1,249,222	\$382,561
Ross Valves	Valve Package 6 - Section 12 RC/CC Interconnection Multi-Orifice Valves	\$715,000	\$526,340	\$352,005
Crispin Valves	Valve Package 8 - Section 10 & 11 Bypass Butterfly Valves	\$1,391,000	\$1,461,040	\$0
Blackhall Engineering	Valve Package 11 - JCC1 Gate Valve	\$1,320,000	\$1,788,958	\$0
Remaining		\$891,110,000		
CONSTRUCTION MANAGEMENT		\$65,169,000	\$45,397,801	\$22,184,825
Completed		\$15,777,000	\$15,687,599	\$15,687,599
Active		\$17,665,000	\$29,710,201	\$6,497,226
Remaining		\$31,728,000		
CONSTRUCTION MATERIALS TESTING		\$17,295,000	\$12,237,125	\$4,163,271
Completed		\$203,000	\$225,133	\$225,132
Active		\$7,777,000	\$12,011,992	\$3,938,139
Remaining		\$9,315,000		
ROCIPI		\$2,575,000	\$23,351,087	\$16,909,360
LAND COST		\$107,384,000	\$53,051,349	\$53,051,349
PROGRAM LEVEL CONTINGENCY		\$83,178,000		
MISCELLANEOUS		\$2,000,000	\$2,145,477	\$2,145,477
GRAND TOTAL		\$2,341,918,000	\$984,262,674	\$694,052,254
REMAINING BOND FUNDS				\$555,947,746

Note: Total Bonds issued to date \$1,250,000,000

ACCOMPLISHMENTS

through 02.29.17

- PL15-1** (Pipeline Section 15-1 including the S5X15 Richland-Chambers Pipeline Interconnect Facility)
 - Completed hydrostatic pressure testing of entire pipeline with zero leaks and zero pressure lost.
 - Dewatering pipeline to allow UTA to perform laser deflection study.
- JB3R** (Pump Suction Reservoir for the JB3 Pump Station)
 - Advertised for grading and seeding contract for reservoir slopes.
- PL12, 13, MBR** (Pipeline Sections 12 and 13 combined with the Midlothian Balancing Reservoir)
 - Embankment earthwork is 100% complete at MBR.
 - Placed some additional soil cement on HDPE liner in MBR Cell 1.
 - Installed first 108" Inlet Gate Valve at MBR. All 108" Butterfly Valves have been delivered to MBR.
 - Continue installing anode beds, fences and gates and ROW restoration.
- COM01** (Microwave Towers and Communication Facilities for SCADA Control of the IPL)
 - Substantial completion walkthroughs were performed on the new radio tower sites.
- JB3** (250mgd Pump Station expandable to 350mgd)
 - Continue installation of Pump Station precast panels and roof decking for Electrical Room and Pump Station.
 - Placed Electrical Room Mezzanine deck.
 - Installation of 108-inch yard pipe located on the inlet side of reservoirs is 75% complete.
 - Installing chilled water and pump coolant piping in Pump Station lower level.
- PL15-2** (Pipeline Section 15-2 that feeds the JB3 Reservoir)
 - All pipe is installed and joint welding is continuing.
 - Backfilling completed 108" GV Vault and coating exposed pipe in vault.
 - Continue installing vaults at air valves and blow-offs; installing anode beds and continue ROW restoration.
- S2X12** (Interconnection Facility of IPL Phase 1 to existing Cedar Creek and Richland Chambers Pipelines)
 - Completed installing RC and CC interconnect piping.
 - Continue work on access road to S2X12 facility and to communication radio building.
- JB3HV** (High Voltage Substation for the JB3 Pump Station and Data Center)
 - Certificate of Substantial Completion has been issued.
 - Energizing of the substation will be the week of March 20, 2017.
- PL14** (Pipeline Section 14 that delivers water from JB3 Pump Station to MBR)
 - Two pipe crews installed a total of approximately 6,000 l.f. of 108" pipe.
 - I35 tunnel is complete and tunnel slab concrete for pipe installation is being placed.

- Continue installing vaults at air valves and blow-offs and continue spoil removal and ROW restoration.
- PL17TUN** (Trinity River Tunnel on Pipeline Section 17)
 - Excavation of tunnel launch shaft has reached a depth of 65' with 25' of excavation remaining.
 - Installed electrical generator, cabling and controls for tunneling operation.
 - Installed fresh water supply tank and sediment settling tanks for tunneling operation.
- JCC1IN** (Intake Structure and Wet Well for JCC1 Pump Station at Cedar Creek)
 - Completed Bentonite slurry trench cut-off around "dry" portion of the work site.
 - Setting up on-site concrete batch plant for producing structural concrete.
 - Installing well points as part of the site dewatering plan.
- PL10, 11** (Pipeline Sections 10 and 11 from the JB4 Pump Station to the KBR Pressure Reduction Facility)
 - Received 15,500 l.f. of 84" polyurethane coated steel pipe.
 - Completed tunnel at Dick Price Rd. and began installing rails for pipe installation.
- PL17-18** (Pipeline Sections 17 and 18 from east end of PL15-1 to JCC1 Pump Station)
 - Preparing for Pre-Construction Workshops with Thalle Midlothian Partners.
- KBRPRS / S1X10** (Pressure Reduction Station at Kennedale Balancing Reservoir connecting Pipeline Section 10)
 - Received and evaluating proposals for construction.
- OFE03** (Owner-Furnished 108" Gate Valves)
 - First 108" GV arrived and was installed on inlet side of MBR.
- OFE04/05** (Owner-Furnished 54", 60" and 108" Butterfly Valves)
 - IPL reps witnessed ultrasonic and performance testing of 108" BFV of OFE05.
- OFE07** (Owner-Furnished pumps, motors and variable frequency drives for JB3)
 - No additional deliveries to the site this month. Preparing for factory testing of spare rotating assembly.
- OFE08** (Owner-Furnished 66", 84" and 108" Butterfly Valves)
 - All 108" BFVs were delivered to MBR.
- OFE09** (Owner-Furnished pumps, motors and variable frequency drives for JCC1)
 - Executed contract with Ebara Corporation for Vertical Turbine Pumps, Motors and VFDs for the JCC1 Pump Station.



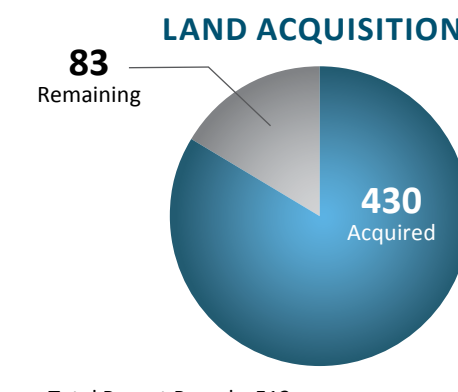
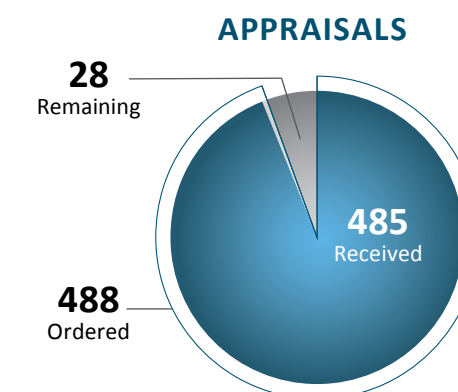
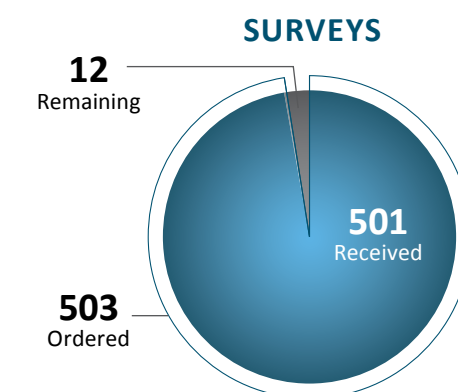
PL1011 Excavating launch pit for tunnel at Dick Price Rd.



PL17TUN Installing liner plate in tunnel launch shaft

ACTIVITY STATUS

as of 02.29.17



Total Parent Parcels: 513

PROJECT SCHEDULE

PROJECT COMPONENTS	2014				2015				2016				2017				2018			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
SECTION 15-1 CONSTRUCTION																				
COMMUNICATION TOWERS CONSTRUCTION																				
SECTIONS 12, 13, MBR CONSTRUCTION																				
JB3 CONSTRUCTION																				
JB3 HIGH VOLTAGE CONSTRUCTION																				
SECTION 15-2 CONSTRUCTION																				
SECTION 14 CONSTRUCTION																				
S2X12 (INTERCONNECTION FACILITY) CONSTRUCTION																				
SECTION 17 TUNNEL CONSTRUCTION																				
JCC1 PUMP STATION INTAKE, WET WELL CONSTRUCTION																				
SECTION 10, 11 CONSTRUCTION																				
SECTION 17, 18 CONSTRUCTION																				

M/WBE PARTICIPATION

as of 01.31.17

CONTRACT DESIGN AND CONSTRUCTION	M/WBE & HUB SUB-CONTRACTORS	CONTRACT COMMITMENT		M/WBE HUB INVOICED TO DATE		TOTAL PROJECT COMPLETED TO DATE	
		\$	%	\$	% (PER COMMITMENT)	\$	%
PROGRAM WIDE PROFESSIONAL SERVICES		\$19,800,463	22%	\$19,592,574	99%	\$83,576,094	95%
Program Management		\$6,828,350	19%	\$6,636,687	97%	\$35,124,711	100%
Conceptual Design / Environmental / Permitting		\$2,700,278	20%	\$2,790,154	103%	\$13,093,117	97%
Value Engineering		\$0	0%	\$23,178	100%	\$472,248	100%
Surveying and Mapping		\$3,548,416	30%	\$3,819,978	108%	\$10,398,837	88%
Geotechnical		\$3,572,334	30%	\$3,518,305	98%	\$12,039,115	100%
Corrosion Engineering Services		\$1,053,764	20%	\$761,434	72%	\$3,902,269	73%
Land, Easement Acquisition, & Support		\$1,201,457	35%	\$1,519,259	126%	\$3,418,559	99%
Studies		\$41,717	1%	\$41,717	100%	\$3,402,626	95%
SCADA System		\$384,444	25%	\$32,208	8%	\$256,000	17%
Microwave System		\$469,702	31%	\$449,654	96%	\$1,468,609	96%
DESIGN		\$33,909,803	26%	\$30,359,278	90%	\$113,491,064	88%
Completed		\$26,250,572	27%	\$25,980,682	99%	\$95,153,466	99%
Active		\$7,659,231	24%	\$4,378,596	57%	\$18,337,598	57%
CH2M Hill (Ops Manual)	NDM	\$479,674	16%	\$457,529	95%	\$2,182,627	72%
CH2M Hill (JCC1)	JQ, Gupta, APM, HVJ, XENCO	\$721,484	25%	\$104,501	14%	\$567,784	20%
MWH	Garzabury, Kevin Sloan	\$226,705	28%	\$136,372	60%	\$533,231	66%
Black & Veatch	BDS, CAS, JQ, TME	\$2,425,531	25%	\$2,577,758	108%	\$9,651,306	100%
Parsons	Criado, EPB, HVJ	\$144,938	25%	\$112,357	78%	\$699,131	121%
Brown & Gay	AZB, TME, Lamb-Star, NDM	\$1,750,930	25%	\$329,948	19%	\$1,356,243	19%
HDR	AZB, Daltech, Word Wizards, Gupta	\$1,747,469	25%	\$571,552	33%	\$2,683,321	38%
Burns & McDonnell Trans. Mgmt.	Lamb-Star Engineering	\$162,500	18%	\$88,578	55%	\$663,954	73%
Remaining		\$0	0%	\$0	0%	\$0	0%
CONSTRUCTION ADMINISTRATION		\$4,514,248	24%	\$2,119,541	47%	\$8,646,153	47%
CONSTRUCTION / OWNER FURNISHED EQUIPMENT		\$79,635,274	19%*	\$58,777,183	74%	\$389,884,661	64%
Completed		\$1,354,402	35%	\$1,354,402	100%	\$3,644,051	94%
Active		\$78,280,872	19%*	\$57,422,781	73%	\$386,240,610	63%
Pipeline Section 15-1		\$9,415,226	28%*	\$6,643,128	71%	\$92,340,487	98%
Garney Construction	Danridge, SYB, Ricochet, Glenko, Carrasco, Cowboy, Gorrondona, Custom Fence, LKT, Astro Johnny, Pam, Father & Son, Bowden's Erosion	\$9,415,226	28%*	\$6,643,128	71%	\$92,340,487	98%
JB3		\$16,474,218	24%*	\$6,078,038	37%	\$53,029,292	62%
MWH Constructors	Statewide, Cowboy, TX Enviro, Champion, Ram Tool, Rent-a-Fence, Soto Steel, A-Star, Ike, Greystone, LKT, Accurate, Green Scaping	\$13,580,000	27%*	\$3,079,736	23%	\$29,221,040	51%
ASI Constructors	Champion Fuel, Desert Steel, Green Scaping	\$1,417,833	13%*	\$1,554,142	110%	\$11,669,898	100%
Isolux Corsan	Dyna Grid	\$1,476,385	30%	\$1,444,160	98%	\$4,762,281	96%
Oncor Electric		\$0	0%	\$0	0%	\$923,119	96%
Pentair Flow Technologies		\$0	0%	\$0	0%	\$6,452,954	57%
Pipeline Section 12/13/MBR/JB4 Bypass		\$22,054,002	24%*	\$18,713,745	85%	\$129,048,329	84%
Thalle Midlothian	LKT, Statewide, Granados, Desert Steel, ETTL, Glenko, A.N.A., Edwards, Buzz, Bradley-Douglas, Pinnacle	\$21,209,810	27%*	\$14,669,233	69%	\$121,323,626	85%

M/WBE PARTICIPATION

as of 01.31.17

CONTRACT DESIGN AND CONSTRUCTION	M/WBE & HUB SUB-CONTRACTORS	CONTRACT COMMITMENT		M/WBE HUB INVOICED TO DATE		TOTAL PROJECT COMPLETED TO DATE	
		\$	%	\$	% (PER COMMITMENT)	\$	%
BAR Constructors	Fraire's, DFW Aggregates, Ricochet, MMG, LKT, Brock, Garland Heating & Air, Texas Metal, Buzz, Rangel	\$844,192	8%	\$4,044,512	479%	\$7,600,473	72%
Hilco Electric		\$0	0%	\$0	0%	\$0	0%
Hilco Electric		\$0	0%	\$0	0%	\$33,312	100%
Oncor Electric		\$0	0%	\$0	0%	\$90,918	100%
Microwave System		\$1,471,554	27%	\$1,098,609	75%	\$4,533,546	84%
Huffman Communications	Ricochet, Edwards, Chaffin Tower	\$1,471,554	27%	\$1,098,609	75%	\$4,533,546	84%
Pipeline Section 15-2		\$4,122,200	16%*	\$18,036,895	438%	\$47,786,651	91%
BAR Constructors	Ricochet, Fraire's, DFW Aggregates, Brock, Tidy Toilets, KDAT, Juan Cantu, Buyer's, RAM, Rangel, LKT, Greenscaping, Environmental Safety	\$4,122,200	16%	\$18,036,895	438%	\$47,786,651	91%
Pipeline Section 14		\$6,081,897	22%*	\$5,419,385	89%	\$37,499,384	78%
Garney Construction	AEA, Gorrondona, JC Welding, LKT, Statewide, Bowdens	\$6,081,897	22%	\$5,419,385	89%	\$37,499,384	78%
Pipeline Section 17		\$11,985,025	24%*	\$113,281	1%	\$3,130,409	4%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno	\$6,623,125	24%	\$113,281	2%	\$3,130,409	9%
Thalle Midlothian	Fleet Lube, Rambo Controls, AE Trucking, MKI Construction, Stome Water Management, Industry Junction, Ortega Land Clearing	\$5,361,900	25%	\$0	0%	\$0	0%
JCC1		\$1,001,750	6%*	\$1,319,700	132%	\$1,415,118	4%
BAR Constructors	Industry Junction, K&A Steel, Ricochet Fuel, Ricochet Fuel, Tidy Toilets, Buzz Custom Fence	\$1,001,750	6%	\$1,319,700	132%	\$1,415,118	7%
Ebara		\$0	0%	\$0	0%	\$0	0%
Pipeline Section 10/11		\$5,675,000	19%*	\$0	0%	\$10,827,920	25%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno	\$5,675,000	19%	\$0	0%	\$10,827,920	25%
Valve Packages		\$0	0%	\$0	0%	\$6,629,475	46%
CONSTRUCTION MANAGEMENT		\$19,172,452	42%	\$8,869,891	46%	\$22,184,825	49%
Completed		\$6,488,069	41%	\$5,954,412	92%	\$15,687,599	100%
Active		\$12,684,383	43%	\$2,915,479	23%	\$6,497,226	22%
CONSTRUCTION MATERIALS TESTING		\$6,723,036	55%	\$1,818,776	27%	\$4,163,271	34%
Completed		\$219,036	97%	\$219,036	100%	\$225,132	100%
Active		\$6,504,000	54%	\$1,599,739	25%	\$3,938,139	33%
ROCIP		\$1,499,307	6%	\$232,163	15%	\$16,909,360	72%
TOTAL		\$165,254,584	23%*	\$121,769,406	74%	\$638,855,428	69%
LAND COST				\$59,400		\$53,051,349	49%
MISCELLANEOUS						\$2,145,477	
GRAND TOTAL		\$165,254,584	25%*	\$121,828,806	74%	\$694,052,254	71%

* Denotes participation percentage excluding cost of pipe and owner furnished equipment.

** This number excludes owner furnished equipment, large diameter pipe and land cost \$241,487,388.

M/WBE/HUB Invoiced	\$121,828,806
Grand Total Invoiced	\$694,052,254
* Exclusions Invoiced	\$241,487,388
MWBE %	26.92%

PROJECT COMPONENTS

PIPELINE SEGMENTS	CORE PROJECT	DESCRIPTION
Section 9		KBR Turn-Out Tee to existing Benbrook Connection Pipeline (10.6 mi. 84" dia. Pipe + 5 mi. 120" Tunnel)
Section 10	◆	KBR Turn-Out Tee to KBR (2.4 mi. 84" dia. Pipe)
Section 11	◆	JB4 to KBR Turn-Out Tee (10 mi. 84" dia. Pipe)
Section 12	◆	JB4 to existing CC and RC Pipelines (2.2 mi. 108" dia. Pipe)
Section 13	◆	MBR2 (Midlothian Balancing Reservoir) to JB4 (11 mi. 108" dia. Pipe)
Section 14	◆	JB3 to MBR2 (Midlothian Balancing Reservoir) (14.9 mi. 108" dia. Pipe)
Section 15	◆	JB2 to JB3 (28.5 mi 108" dia. Pipe)
Section 16		JRC1 (Joint Richland Chambers Lake Pump Station) to JB2 (12.3 mi. 96" dia. Pipe)
Section 17	◆	Cedar Creek Connection to JB2 (11.2 mi. 108" dia. Pipe)
Section 18	◆	JCC1 (Joint Cedar Creek Lake Pump Station) to Cedar Creek Connection (0.2 mi. 108" dia. Pipe)
Section 19		LP1 (Lake Palestine Pump Station) to Cedar Creek Connection (42.3 mi. 84" dia. Pipe)

PUMP STATIONS	CORE PROJECT	DESCRIPTION
Palestine Pump Station		150 mgd with new intake
Cedar Creek Pump Station	◆	277 mgd with new intake
Richland Chambers Pump Station		250 mgd Ultimate Design Capacity
Booster Pump Stations		Two @ 347 mgd and one @ 197 mgd (◆ one 347 mgd station - JB3)

SUPPORT FACILITIES	CORE PROJECT	DESCRIPTION
Reservoirs	◆	Three reservoirs (80 – 400 mgd) - two for booster pump stations and one for balancing. Two of the reservoirs are core projects – JB3R and MBR
Deep Tunnels		5 mi of 10' dia. tunnel @ Crowley (included in length of Section 9)
Substations & High Voltage Transmission Lines		Six substations and 4 mi. of high voltage transmission lines (◆ two substations)
Microwave Communications and SCADA System	◆	Provides remote operations capability and system monitoring

