



INTEGRATED PIPELINE PROJECT MONTHLY EXECUTIVE SUMMARY

April 2017



PL17TUN
Trinity River tunneling operation

IPL PROGRAM MANAGEMENT

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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 04.30.17

CONTRACT DESIGN AND CONSTRUCTION	DESCRIPTION	BUDGET	CONTRACTS ISSUED	TOTAL INVOICED
PROGRAM WIDE PROFESSIONAL SERVICES		\$133,061,000	\$88,359,307	\$83,693,566
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	\$13,129,835
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	\$10,449,637
Geotechnical	Initial Characterization of entire IPL Project	\$12,037,000	\$12,026,275	\$12,026,276
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	\$3,420,094
		\$3,500,000	\$3,583,743	\$3,402,626
SCADA System	Engineering of SCADA system	\$640,000	\$1,508,213	\$297,260
Microwave System	Engineering of Communications System	\$5,210,000	\$1,522,785	\$1,468,609
DESIGN		\$152,839,000	\$128,351,515	\$114,726,902
Completed		\$101,901,000	\$95,902,930	\$95,153,466
Active		\$24,159,000	\$31,910,169	\$19,573,436
CH2M Hill	Project Operational Information and Operations Manual		\$3,044,922	\$2,430,023
CH2M Hill	Final Conformance of Design of JCC1	\$728,000	\$2,861,718	\$1,132,884
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	\$9,712,413	\$9,651,306
Parsons	Final Conformance of Design of Sections 17/18/Tunnel	\$832,000	\$579,753	\$681,545
Brown & Gay	Final Design of Section 19-1	\$5,770,000	\$7,003,722	\$1,596,955
HDR	Final Design of Section 19-2	\$5,030,000	\$6,989,876	\$2,883,538
Burns & McDonnell Trans. Mgmt.	Development of Transportation Management Plan		\$905,203	\$663,954
Remaining		\$26,778,000	\$538,417	
CONSTRUCTION ADMINISTRATION		\$48,877,000	\$18,537,171	\$9,655,009
CONSTRUCTION / OWNER FURNISHED EQUIPMENT		\$1,729,540,000	\$632,346,502	\$427,819,254
Completed		\$20,279,000	\$15,290,653	\$15,073,949
Active		\$818,316,000	\$617,055,849	\$412,745,305
Pipeline Section 15-1		\$115,112,000	\$94,409,665	\$92,929,816
Garney Construction	Construction of Section 15-1	\$115,112,000	\$94,409,665	\$92,929,816
JB3		\$83,013,000	\$74,454,393	\$48,917,099
MWH Constructors	Construction of JB3 Pump Station	\$51,473,000	\$57,024,425	\$36,677,161
Oncor Electric	Installation of JB3 Substation Transmission Lines	\$1,066,000	\$957,119	\$923,119
Isolux Corsan	Construction of JB3 Substation	\$7,400,000	\$4,864,888	\$4,863,865
R E Monks	Construction of JB3R Restoration	\$0	\$349,777	\$0
Pentair Flow Technologies	Construction of JB3 Pumps, Motors, Drives	\$23,074,000	\$11,258,183	\$6,452,954
Pipeline Section 12/13/MBR/JB4 Bypass		\$167,993,000	\$154,045,172	\$133,683,507
Thalle Midlothian	Construction of Sections 12/13/MBR/JB4 Bypass	\$146,310,000	\$143,270,617	\$124,768,852
BAR Constructors	Construction of Richland-Chambers/Cedar Creek Interconnection Facility	\$21,682,000	\$10,562,326	\$8,790,426
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 04.30.17

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	\$52,991,575	\$48,188,859
BAR Constructors	Construction of Section 15-2	\$97,217,000	\$52,991,575	\$48,188,859
Pipeline Section 14		\$107,113,000	\$48,323,709	\$41,442,895
Garney Construction	Construction of Section 14	\$107,113,000	\$48,323,709	\$41,442,895
Pipeline Section 17		\$109,944,000	\$78,312,983	\$10,278,261
IPL Partners	Construction of Section 17 Tunnel	\$12,252,000	\$32,992,000	\$10,278,261
Thalle Midlothian	Construction of Sections 17	\$97,692,000	\$45,320,983	\$0
JCC1		\$42,683,000	\$37,707,573	\$3,851,517
BAR Constructors	Construction of JCC1 Intake	\$21,564,000	\$19,741,750	\$3,851,517
Ebara	Construction of JCC1 Pumps, Motors, Drives	\$17,775,000	\$12,694,890	\$0
Oncor Electric	Construction of JCC1 HV Transmission Lines	\$3,343,000	\$5,270,933	\$0
Pipeline Section 10/11		\$73,678,000	\$56,865,952	\$21,083,372
IPL Partners	Construction of Section 10/11	\$72,362,000	\$43,208,500	\$21,065,919
Oncor Electric	Construction of KBR S1X10 HV Transmission Lines	\$0	\$17,452	\$17,452
BAR Constructors	Construction of KBR S1X10	\$1,317,000	\$13,640,000	\$0
Valve Packages		\$15,165,000	\$14,568,537	\$7,836,434
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	\$6,278,387	\$4,312,640
Crispin Valves	Valve Package 4 - Section 12 RC/CC Interconnection, JB4 Bypass, MBR Yard Butterfly Valves	\$3,999,000	\$2,269,140	\$1,632,612
Crispin Valves	Valve Package 5 - JB3 Butterfly Valves	\$1,249,000	\$1,249,222	\$707,282
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		\$890,944,000		
CONSTRUCTION MANAGEMENT		\$65,169,000	\$45,397,801	\$24,696,291
Completed		\$15,777,000	\$15,687,599	\$15,687,599
Active		\$17,665,000	\$29,710,201	\$9,008,692
Remaining		\$31,728,000		
CONSTRUCTION MATERIALS TESTING		\$17,295,000	\$12,873,125	\$4,857,373
Completed		\$203,000	\$225,133	\$225,132
Active		\$7,791,000	\$12,647,992	\$4,632,240
Remaining		\$9,302,000		
ROCIPI		\$2,575,000	\$23,351,087	\$18,655,581
LAND COST		\$107,384,000	\$54,795,343	\$54,795,343
PROGRAM LEVEL CONTINGENCY		\$83,178,000		
MISCELLANEOUS		\$2,000,000	\$2,214,648	\$2,214,648
GRAND TOTAL		\$2,341,918,000	\$1,006,226,499	\$741,113,966
REMAINING BOND FUNDS				\$508,886,034

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

ACCOMPLISHMENTS

through 05.31.17

PL15-1 (Pipeline Section 15-1 including the S5X15 Richland-Chambers Pipeline Interconnect Facility)

- Sprigging Coastal Bermuda on ROW pasture lands.
- Installing security fencing at S5X15.

JB3RR (Pump Suction Reservoir Grading and Grassing Project)

- Operated and maintaining sprinkler system on reseeded reservoir slopes.

PL12, 13, MBR (Pipeline Sections 12 and 13 combined with the Midlothian Balancing Reservoir)

- Completed hydrostatic pressure testing of Section 12 and JB4 Bypass piping.
- Completed soil cement placement on HDPE liner in MBR Cell 1. Placed 50% of soil cement in Cell 2.
- Installed second 108" Gate Valve and 108" Butterfly Valves at Cell 1 and 2 Inlets.
- Continue installing anode beds, fences, gates and ROW restoration.

COM01 (Microwave Towers and Communication Facilities for SCADA Control of the IPL)

- Both substantial and final completion achieved on the contract.

JB3 (250mgd Pump Station expandable to 350mgd)

- Completed delivery of OFE Butterfly Valves.
- Installing standing seam metal roof on pump room and Kal-Wall windows in electric room.
- Installed CMU for shop and control room and placed Air Handling Unit slab.
- Placed Gate Valve Vault slab and forming walls.
- Delivered medium and low voltage switchgear.

PL15-2 (Pipeline Section 15-2 that feeds the JB3 Reservoir)

- Continue pipeline joint welding and inside joint grouting.
- Installing air valves, blow-offs, anode beds and cathodic protection test stations.
- Seeding restored ROW.

S2X12 (Interconnection Facility of IPL Phase 1 to existing Cedar Creek and Richland Chambers Pipelines)

- Final site grading performed.
- Cathodic protection test stations installed.
- Perimeter screen wall and anti-ram columns installed.

JB3HV (High Voltage Substation for the JB3 Pump Station and Data Center)

- Preparing contract closeout documentation for final payment.

PL14 (Pipeline Section 14 that delivers water from JB3 Pump Station to MBR)

- Pipe installation is complete; joint welding and inside joint grouting continues.
- Completed grouting of annular space at the I35 tunnel.
- Continue installing vaults at air valves and blow-offs and continue spoil removal and ROW restoration.

PL17TUN (Trinity River Tunnel on Pipeline Section 17)

- Continue tunneling from west to east; approximately 12% complete.
- Begin work on east receiving portal.
- Began receiving 108" pipe for open-cut portions of the project.

JCC1IN (Intake Structure and Wet Well for JCC1 Pump Station at Cedar Creek)

- Installing shoring system for deep excavation at intake structure.
- Completed placing excavated material for pre-loading of Chemical Facility and began monitoring settlement points.
- Continue well-point dewatering of the work area.

PL10, 11 (Pipeline Sections 10 and 11 from the JB4 Pump Station to the KBR Pressure Reduction Facility)

- Installed first 6,000 feet of open-cut 84" pipe and installed pipe in FM1187 tunnel.
- Completed 200' of Mountain Creek tunnel.
- Completed delivery of 84" pipe.
- Clean-up crew working on ROW restoration as pipe installation is completed.

PL17-18 (Pipeline Sections 17 and 18 from east end of PL15-1 to JCC1 Pump Station)

- Held start-up meetings with Navarro and Henderson County Commissioners.
- Installing temporary access gates and began ROW clearing.

KBRPRS / S1X10 (Pressure Reduction Station at Kennedale Balancing Reservoir connecting Pipeline Section 10)

- Pre-construction workshops were held and Notice to Proceed was issued effective 05/22/17.
- Submittal reviews are underway.

OFE03 (Owner-Furnished 108" Gate Valves)

- No additional deliveries to the site or factory testing performed this month.

OFE04/05 (Owner-Furnished 54", 60" and 108" Butterfly Valves)

- Factory acceptance testing was completed for third 108" BFV to be delivered to JB3 Pump Station.

OFE07 (Owner-Furnished pumps, motors and variable frequency drives for JB3)

- No additional deliveries to the site or factory testing performed this month.

OFE08 (Owner-Furnished 66", 84" and 108" Butterfly Valves)

- No additional deliveries to the site or factory testing performed this month.

OFE09 (Owner-Furnished pumps, motors and variable frequency drives for JCC1)

- Ebara Corporation preparing submittal packages for review.



JB3 Pump Station roofing and exterior window panels installation

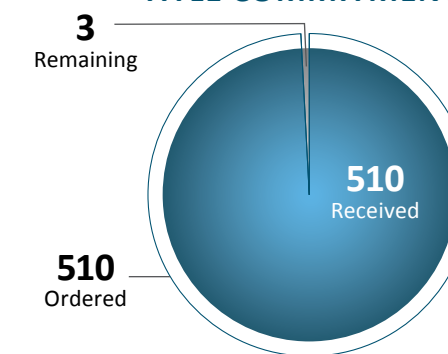


PL1011 Installing ribbon anode for cathodic protection to protect the IPL pipeline from the corrosive influence of other utilities

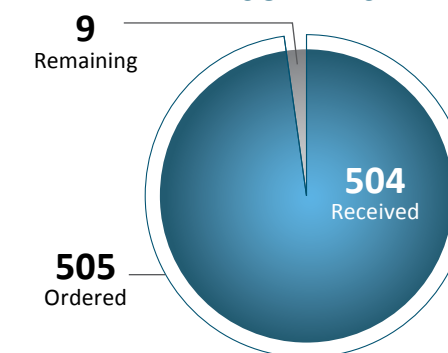
ACTIVITY STATUS

as of 05.31.17

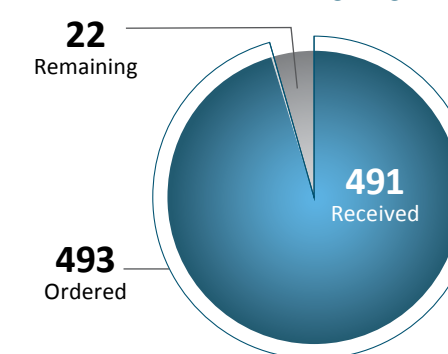
TITLE COMMITMENTS



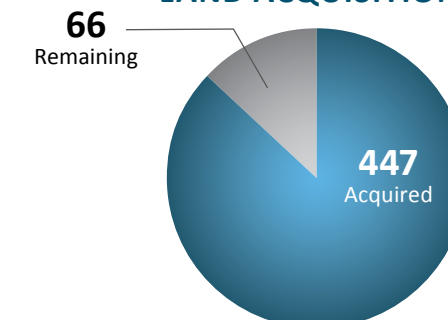
SURVEYS



APPRAISALS



LAND ACQUISITION



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																				
KBRPRS/S1X10 (PRESSURE REDUCTION STA.) CONSTRUCTION																				

M/WBE PARTICIPATION

as of 04.30.17

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		\$20,085,060	23%	\$19,637,934	98%	\$83,693,566	95%
Program Management		\$6,636,687	19%	\$6,636,687	100%	\$35,124,711	100%
Conceptual Design / Environmental / Permitting		\$2,700,278	20%	\$2,795,613	104%	\$13,129,835	97%
Value Engineering		\$23,178	5%	\$23,178	100%	\$472,248	100%
Surveying and Mapping		\$3,939,403	33%	\$3,831,616	97%	\$10,449,637	88%
Geotechnical		\$3,545,033	29%	\$3,545,033	100%	\$12,026,276	100%
Corrosion Engineering Services		\$1,053,764	20%	\$761,434	72%	\$3,902,269	73%
Land, Easement Acquisition, & Support		\$1,294,837	37%	\$1,520,794	117%	\$3,420,094	99%
Studies		\$41,717	1%	\$41,717	100%	\$3,402,626	95%
SCADA System		\$384,444	25%	\$32,208	8%	\$297,260	20%
Microwave System		\$465,719	31%	\$449,654	97%	\$1,468,609	96%
DESIGN		\$33,817,272	26%	\$30,634,269	91%	\$114,726,902	89%
Completed		\$26,158,041	27%	\$25,980,682	99%	\$95,153,466	99%
Active		\$7,659,231	24%	\$4,653,587	61%	\$19,573,436	61%
CH2M Hill (Ops Manual)	NDM	\$479,674	16%	\$484,209	101%	\$2,430,023	80%
CH2M Hill (JCC1)	JQ, Gupta, APM, HVJ, XENCO	\$721,484	25%	\$245,627	34%	\$1,132,884	40%
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%	\$681,545	118%
Brown & Gay	AZB, TME, Lamb-Star, NDM	\$1,750,930	25%	\$412,365	24%	\$1,596,955	23%
HDR	AZB, Daltech, Word Wizards, Gupta	\$1,747,469	25%	\$596,321	34%	\$2,883,538	41%
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		\$4,533,806	24%	\$2,275,331	50%	\$9,655,009	52%
CONSTRUCTION / OWNER FURNISHED EQUIPMENT		\$81,191,833	19%*	\$62,922,853	77%	\$427,819,254	68%
Completed		\$2,908,544	20%	\$2,908,544	100%	\$15,073,949	99%
Active		\$78,283,289	22%*	\$60,014,309	77%	\$412,745,305	67%
Pipeline Section 15-1		\$9,415,226	28%*	\$6,643,128	71%	\$92,929,816	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%	\$92,929,816	98%
JB3		\$15,056,385	27%*	\$5,015,817	33%	\$48,917,099	66%
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%*	\$3,565,897	26%	\$36,677,161	64%
Isolux Corsan	Dyna Grid	\$1,476,385	30%	\$1,449,920	98%	\$4,863,865	100%
R E Monks		\$0	0%	\$0	0%	\$0	0%
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%*	\$19,738,749	90%	\$133,683,507	87%
Thalle Midlothian	LKT, Statewide, Granados, Desert Steel, ETTL, Glenko, A.N.A., Edwards, Buzz, Bradley-Douglas, Pinnacle	\$21,209,810	27%*	\$15,160,844	71%	\$124,768,852	87%

M/WBE PARTICIPATION

as of 04.30.17

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%	\$4,577,905	542%	\$8,790,426	83%
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, Bradley Douglas	\$1,471,554	27%	\$1,098,609	75%	\$4,533,546	84%
Pipeline Section 15-2		\$4,122,200	15%*	\$18,431,647	447%	\$48,188,859	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	15%	\$18,431,647	447%	\$48,188,859	91%
Pipeline Section 14		\$6,081,897	22%*	\$5,888,522	97%	\$41,442,895	86%
Garney Construction	AEA, Gorrondona, JC Welding, LKT, Statewide, Bowdens	\$6,081,897	22%	\$5,888,522	97%	\$41,442,895	86%
Pipeline Section 17		\$11,985,025	24%*	\$369,953	3%	\$10,278,261	13%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno	\$6,623,125	24%	\$369,953	6%	\$10,278,261	31%
Thalle Midlothian	Fleet Lube, Rambo Controls, AE Trucking, MKI Construction, Stome Water Management, Industy Junction, Ortega Land Clearing	\$5,361,900	25%	\$0	0%	\$0	0%
JCC1		\$1,001,750	4%*	\$2,393,575	239%	\$3,851,517	10%
BAR Constructors	Industry Junction, K&A Steel, Ricochet Fuel, Ricochet Fuel, Tidy Toilets, Buzz Custom Fence	\$1,001,750	6%	\$2,393,575	239%	\$3,851,517	20%
Ebara		\$0	0%	\$0	0%	\$0	0%
Oncor Electric		\$0	0%	\$0	0%	\$0	0%
Pipeline Section 10/11		\$7,095,250	20%*	\$434,308	6%	\$21,083,372	37%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno	\$5,675,000	24%	\$434,308	8%	\$21,065,919	49%
Oncor Electric		\$0	0%	\$0	0%	\$17,452	100%
BAR Constructors	Industry Junction, VSG Trucking, Ricochet, MMG Disposal, Garland HVAC, CMC Rebar, Buzz Custom Fence, K&A Steel, Rangle Land Surveying	\$1,420,250	11%	\$0	0%	\$0	0%
Valve Packages		\$0	0%	\$0	0%	\$7,836,434	54%
CONSTRUCTION MANAGEMENT		\$18,613,186	41%	\$9,944,657	53%	\$24,696,291	54%
Completed		\$5,928,804	38%	\$5,954,412	100%	\$15,687,599	100%
Active		\$12,684,383	43%	\$3,990,245	31%	\$9,008,692	30%
CONSTRUCTION MATERIALS TESTING		\$7,603,296	59%	\$2,152,125	28%	\$4,857,373	38%
Completed		\$219,036	97%	\$219,036	100%	\$225,132	100%
Active		\$7,384,260	58%	\$1,933,089	26%	\$4,632,240	37%
ROCIPI		\$1,499,307	6%	\$253,772	17%	\$18,655,581	80%
TOTAL		\$167,343,761	25%*	\$127,820,940	76%	\$684,103,975	72%
LAND COST				\$59,400		\$54,795,343	51%
MISCELLANEOUS						\$2,214,648	
GRAND TOTAL		\$167,343,761	25%*	\$127,880,340	76%	\$741,113,966	74%
		M/WBE/HUB Invoiced				\$127,880,340	
		Grand Total Invoiced				\$741,113,966	
		** Exclusions Invoiced				\$253,848,633	
		MWBE %				26.24%	

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

** This number excludes owner furnished equipment, large diameter pipe and land cost \$253,848,633.

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

