



INTEGRATED PIPELINE PROJECT

MONTHLY EXECUTIVE SUMMARY

May 2018



PL1213MBR Aerial view of completed reservoirs

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](https://twitter.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 05.31.18

CONTRACT DESIGN AND CONSTRUCTION	DESCRIPTION	BUDGET	CONTRACTS ISSUED	TOTAL INVOICED
PROGRAM WIDE PROFESSIONAL SERVICES		\$133,062,000	\$93,595,112	\$84,814,118
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	\$13,232,902
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	\$16,483,710	\$10,539,397
Geotechnical	Initial Characterization of entire IPL Project	\$12,037,000	\$12,336,425	\$12,191,092
Corrosion Engineering Services	Engineering Corrosion Control	\$3,891,000	\$5,326,362	\$4,226,490
Land, Easement Acquisition, & Support	Right of Entry and Land Acquisition Support Services	\$33,993,000	\$3,464,526	\$3,424,068
Studies		\$3,500,000	\$3,883,743	\$3,587,584
SCADA System	Engineering of SCADA system	\$640,000	\$1,508,213	\$547,016
Microwave System	Engineering of Communications System	\$5,210,000	\$1,522,785	\$1,468,609
DESIGN		\$152,837,000	\$133,181,683	\$118,471,023
Completed		\$101,901,000	\$97,470,103	\$96,087,135
Active		\$24,158,000	\$35,173,164	\$22,383,889
CH2M Hill	Project Operational Information and Operations Manual		\$6,308,293	\$3,184,656
CH2M Hill	Final Conformance of Design of JCC1	\$728,000	\$2,861,718	\$2,362,955
MWH	Final Conformance of Design of Section 9/10/11	\$506,000	\$812,562	\$535,921
Black & Veatch	Final Design of Section 12/13/14 - 28.1 miles of 84 - inch and 108 - inch pipeline	\$11,292,000	\$9,712,410	\$9,700,648
Parsons	Final Conformance of Design of Sections 17/18/Tunnel	\$832,000	\$579,379	\$681,545
Brown & Gay	Final Design of Section 19-1	\$5,770,000	\$7,003,722	\$1,905,316
HDR	Final Design of Section 19-2	\$5,030,000	\$6,989,876	\$3,170,308
Burns & McDonnell Trans. Mgmt.	Development of Transportation Management Plan		\$905,203	\$842,540
Remaining		\$26,778,000	\$538,417	
CONSTRUCTION ADMINISTRATION		\$48,877,000	\$18,550,960	\$12,302,019
CONSTRUCTION / OWNER FURNISHED EQUIPMENT		\$1,729,540,000	\$636,719,966	\$553,711,317
Completed		\$26,677,000	\$20,634,788	\$20,418,083
Active		\$811,918,000	\$616,085,178	\$533,293,234
Pipeline Section 15-1		\$115,112,000	\$93,687,256	\$93,687,256
Garney Construction	Construction of Section 15-1	\$115,112,000	\$93,687,256	\$93,687,256
JB3		\$83,013,000	\$75,426,047	\$65,053,072
MWH Constructors	Construction of JB3 Pump Station	\$51,473,000	\$57,684,894	\$51,142,843
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	\$4,864,888
R E Monks	Construction of JB3R Restoration	\$0	\$633,263	\$633,263
Pentair Flow Technologies	Construction of JB3 Pumps, Motors, Drives	\$23,074,000	\$11,285,883	\$7,488,959
Pipeline Section 12/13/MBR/IB4 Bypass		\$167,992,000	\$154,274,263	\$151,477,812
Thalle Midlothian	Construction of Sections 12/13/MBR/IB4 Bypass	\$146,310,000	\$143,534,470	\$141,303,930
BAR Constructors	Construction of Richland-Chambers/Cedar Creek Interconnection Facility	\$21,682,000	\$10,615,564	\$10,049,653
Hilco Electric	Relocation of Electrical Service Lines		\$0	\$0
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 05.31.18

CONTRACT DESIGN AND CONSTRUCTION	DESCRIPTION	BUDGET	CONTRACTS ISSUED	TOTAL INVOICED
Pipeline Section 15-2		\$97,217,000	\$50,743,593	\$50,572,476
BAR Constructors	Construction of Section 15-2	\$97,217,000	\$50,743,593	\$50,572,476
Pipeline Section 14		\$107,113,000	\$48,397,992	\$46,500,531
Garney Construction	Construction of Section 14	\$107,113,000	\$48,347,992	\$46,450,531
Magellan	Captioned Crossing Inspection Section 14	\$0	\$50,000	\$50,000
Pipeline Section 17		\$109,944,000	\$78,734,525	\$53,078,807
IPL Partners	Construction of Section 17 Tunnel	\$12,252,000	\$33,087,198	\$19,946,069
Thalle Midlothian	Construction of Sections 17/18/IB2 Bypass	\$97,692,000	\$45,647,327	\$33,132,738
JCC1		\$42,682,000	\$43,394,113	\$15,437,797
BAR Constructors	Construction of JCC1 Intake	\$21,564,000	\$19,942,714	\$12,991,436
Ebara	Construction of JCC1 Pumps, Motors, Drives	\$17,775,000	\$12,694,890	\$603,745
Lambda Construction	High Voltage		\$5,485,575	\$1,842,616
Oncor Electric	Construction of JCC1 HV Transmission Lines	\$3,343,000	\$5,270,933	\$0
Pipeline Section 10/11		\$73,679,000	\$57,121,096	\$45,626,636
IPL Partners	Construction of Section 10/11	\$72,362,000	\$43,416,722	\$39,501,298
Oncor Electric	Construction of KBR S1X10 HV Transmission Lines		\$17,452	\$17,452
BAR Constructors	Construction of KBR S1X10	\$1,317,000	\$13,686,921	\$6,107,886
Valve Packages		\$15,166,000	\$14,306,294	\$11,858,846
Garney Construction	Valve Package 1 - Section 15-1 Butterfly Valves	\$518,000	\$0	\$0
Rodney Hunt	Valve Package 2 - Section 15-1 Interconnection Facility Valves	\$474,000	\$733,206	\$733,206
Blackhall Engineering	Valve Package 3 - JB3, Section 15-2, MBR Yard Gate Valves	\$5,500,000	\$6,278,388	\$6,107,838
Crispin Valves	Valve Package 4 - Section 12 RC/CC Interconnection, JB4 Bypass, MBR Yard Butterfly Valves	\$3,999,000	\$2,269,140	\$1,970,902
Crispin Valves	Valve Package 5 - JB3 Butterfly Valves	\$1,249,000	\$1,249,222	\$1,039,098
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	\$699,518
Blackhall Engineering	Valve Package 11 - JCC1 Gate Valve	\$1,320,000	\$1,788,958	\$956,280
Remaining		\$890,945,000		
CONSTRUCTION MANAGEMENT		\$65,170,000	\$64,762,055	\$35,249,061
Completed		\$15,777,000	\$30,765,854	\$16,698,879
Active		\$17,665,000	\$33,996,201	\$18,550,183
Remaining		\$31,728,000		
CONSTRUCTION MATERIALS TESTING		\$17,296,000	\$12,013,590	\$7,162,307
Completed		\$203,000	\$225,133	\$225,132
Active		\$7,791,000	\$11,788,457	\$6,937,175
Remaining		\$9,302,000		
ROCIP		\$2,575,000	\$23,351,087	\$19,735,576
LAND COST		\$107,384,000	\$65,280,067	\$65,280,067
PROGRAM LEVEL CONTINGENCY		\$83,178,000		
MISCELLANEOUS		\$2,000,000	\$3,736,346	\$3,736,346
GRAND TOTAL		\$2,341,919,000	\$1,051,190,867	\$900,461,834
REMAINING BOND FUNDS				\$349,538,166

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

ACCOMPLISHMENTS

through 06.30.18

JB3RR (Pump Suction Reservoir Grading and Grassing Project)

- Grass coverage to be inspected again in August to determine contract completion.

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

- Water and mow grass on MBR embankment and ROW
- Performing work from punch list for ROW, vaults and gates
- Performing clean up along right of way
- Repaired Baucom Road
- Commissioned 108" Gate Valves

JB3 (250mgd Pump Station expandable to 350mgd)

- Commissioned pump motor coolant systems.
- Began uncoupled testing of pumps.
- Initial commissioning of HVAC system for electric room.
- Began installation of gate valve vault deck.
- Continued installing yard sump pump station and valve vault mechanical.
- Set Water Quality Analysis Station #1.
- Began pulling power and signal cables to Water Quality Stations.
- Began installation of power and signal cables to radio tower.
- Continued installation of perimeter fence.

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

- Completed commissioning of 108" Gate Valve.
- Final Completion and Contract Closeout is on the agenda for July BOD meeting.

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

- Completed landscaping installation and items required by City of Grand Prairie for Certificate of Occupancy.
- Final Completion and Contract Closeout is on the agenda for July BOD meeting.

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

- Continue ROW cleanup, fence/gate and cable mat installation and continue seeding and sprigging grass.
- Certificate of Substantial Completion and Reduction of Retainage is on the agenda for July BOD meeting.

PL17TUN (Trinity River Tunnel on Pipeline Section 17)

- IPL Partners continue preparing engineered tunnel plan for OPT review.

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

- Completed all drilled piers for wingwalls and project.
- Began placing bulkhead gate and blank screen panel guides in preparation for secondary pours.
- Began dredging operations for the main channel in the lake.
- Placed slabs for both the fourth level of slabs on the north and south wingwall.
- Installed geotextile fabric and rock riprap for the channel on north and south side of channel.
- Began backfilling structure and wingwalls.
- Removed all temporary shoring towers from wet well.

JCC1HV (High Voltage Substation for the JCC1 Pump Station at Cedar Creek)

- OPT attended the Transformer Testing in Mexico City.
- Installed ductbank JCC1-B.
- Continued installation of transformers, switches and other appurtenances
- Continued installing aluminum buss.
- Completed structural steel for grating on transformer pad #1 and #2.
- Completed installation of grating.

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

- Preparing for filling and hydrostatic testing of completed pipeline.
- Completed installing cable mats for creek crossings.
- Testing anode beds and AC mitigation mats.
- Completed installation of permanent driveways.

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

- Installed 5500' of 108" pipe.
- Installing anodes and cathodic protection in Henderson County
- Hauling spoils off ROW and replacing topsoil at ROW.
- Placing concrete at 108" valve vault.

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

- Completed Venturi Meter Vaults and installed Venturi Flowmeters.
- Placed foundation slab for standby generator.
- Installed header piping in chase.
- Installing electrical, instrumentation and control ductbanks.

OFE03 (Owner-Furnished 108" Gate Valves)

- GV#5 being assembled for final, factory testing.

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

- All valves have been delivered and installed.

OFE06 (Owner-Furnished Multi-Orifice Valves for S2X12)

- Valves delivered, installed and commissioned.

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

- Pentair and Siemens Field Service Technicians on site for uncoupled motor testing.

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

- BFVs for S1X10 have been delivered.

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

- OPT reps were in Viet Nam for factory witness testing of pump can and pump bowl coating operations.

OFE11 (Owner-Furnished 108" Gate Valve)

- Castings have been inspected and approved.



JCC1HV Grating above electrical chase at transformer pad

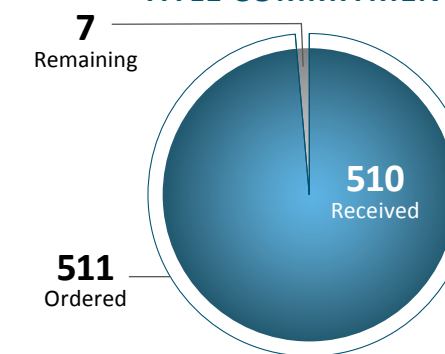


PL1718 Verifying top of pipe elevation

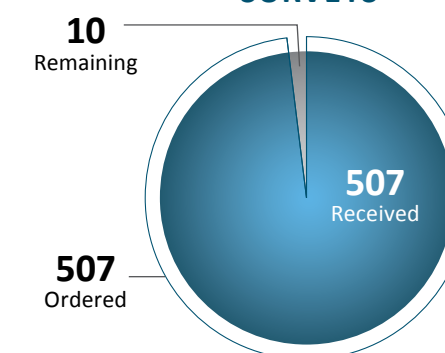
ACTIVITY STATUS

through 06.30.18

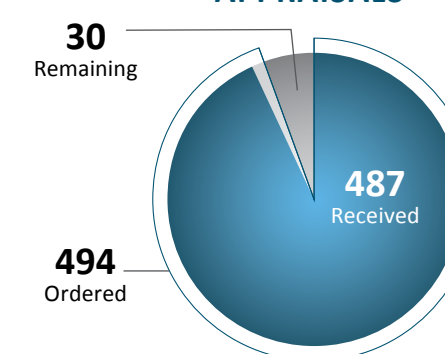
TITLE COMMITMENTS



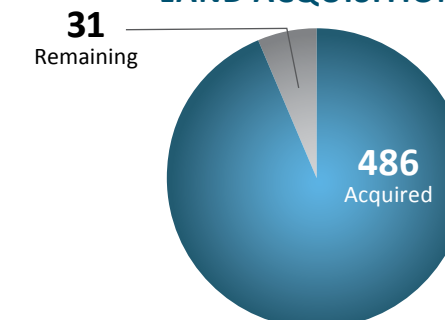
SURVEYS



APPRAISALS



LAND ACQUISITION



Total Parent Parcels: 517

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																				
SECTIONS 12, 13, MBR CONSTRUCTION																				
JB3 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 05.31.18

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		\$21,848,474	23%	\$19,978,578	91%	\$84,814,118	91%
Program Management		\$6,636,687	19%	\$6,636,687	100%	\$35,124,711	100%
Conceptual Design / Environmental / Permitting		\$2,700,278	20%	\$2,826,430	105%	\$13,232,902	98%
Value Engineering		\$23,178	5%	\$23,178	100%	\$472,248	100%
Surveying and Mapping		\$5,609,772	34%	\$3,831,616	68%	\$10,539,397	64%
Geotechnical		\$3,638,078	29%	\$3,545,033	97%	\$12,191,092	99%
Corrosion Engineering Services		\$1,053,764	20%	\$761,434	72%	\$4,226,490	79%
Land, Easement Acquisition, & Support		\$1,294,837	37%	\$1,829,624	141%	\$3,424,068	99%
Studies		\$41,717	1%	\$41,717	100%	\$3,587,584	92%
SCADA System		\$384,444	25%	\$33,205	9%	\$547,016	36%
Microwave System		\$465,719	31%	\$449,653	97%	\$1,468,609	96%
DESIGN		\$34,772,306	26%	\$31,766,319	91%	\$118,471,023	89%
Completed		\$26,558,396	27%	\$26,322,366	99%	\$96,087,135	99%
Active		\$8,213,910	23%	\$5,443,953	66%	\$22,383,889	64%
CH2M Hill (Ops Manual)	NDM	\$1,034,447	16%	\$516,909	50%	\$3,184,656	50%
CH2M Hill (JCC1)	JQ, Gupta, APM, HVJ, XENCO	\$721,484	25%	\$862,007	119%	\$2,362,955	83%
MWH	Garzabury, Kevin Sloan	\$226,705	28%	\$136,372	60%	\$535,921	66%
Black & Veatch	BDS, CAS, JQ, TME	\$2,425,530	25%	\$2,583,711	107%	\$9,700,648	100%
Parsons	Criado, EPB, HVJ	\$144,845	25%	\$112,357	78%	\$681,545	118%
Brown & Gay	AZB, TME, Lamb-Star, NDM	\$1,750,930	25%	\$477,623	27%	\$1,905,316	27%
HDR	AZB, Daltech, Word Wizards, Gupta	\$1,747,469	25%	\$639,501	37%	\$3,170,308	45%
Burns & McDonnell Trans. Mgmt.	Lamb-Star Engineering	\$162,500	18%	\$115,472	71%	\$842,540	93%
Remaining		\$0	0%	\$0	0	\$0	0%
CONSTRUCTION ADMINISTRATION		\$4,533,900	24%	\$2,721,605	60%	\$12,302,019	66%
CONSTRUCTION / OWNER FURNISHED EQUIPMENT		\$83,075,244	13%	\$97,191,182	117%	\$553,711,317	87%
Completed		\$4,252,128	22%	\$4,091,050	96%	\$20,418,083	99%
Active		\$78,823,116	23%	\$93,100,132	118%	\$533,293,234	87%
Pipeline Section 15-1		\$9,317,301	29%	\$6,649,736	71%	\$93,687,256	100%
Garney Construction	Danridge, SYB, Ricochet, Glenko, Carrasco, Cowboy, Gorrondona, Custom Fence, LKT, Astro Johnny, Pam, Father & Son, Bowden's Erosion	\$9,317,301	29%	\$6,649,736	71%	\$93,687,256	100%
JB3		\$15,186,713	26%	\$11,539,199	76%	\$65,053,072	86%
MWH Constructors	Statewide, Cowboy, TX Enviro, Champion, Ram Tool, Rent-a-Fence, Soto Steel, A-Star, Ike, Greystone, LKT, Accurate, Green Scaping	\$13,736,793	27%	\$10,089,278	73%	\$51,142,843	89%
Oncor Electric		\$1,449,920	3%	\$1,449,920	100%	\$4,864,888	8%
Isolux Corsan	Dyna Grid	\$0	0%	\$0	0%	\$923,119	96%
RE Monks		\$0	0%	\$0	0%	\$633,263	13%
Pentair Flow Technologies		\$0	0%	\$0	0%	\$7,488,959	66%
Pipeline Section 12/13/MBR/JB4 Bypass		\$22,096,983	24%	\$22,137,658	100%	\$151,477,812	98%
Thalle Midlothian	LKT, Statewide, Granados, Desert Steel, E TTL, Glenko, A.N.A., Edwards, Buzz, Bradley-Douglas, Pinnacle	\$21,248,870	27%	\$16,445,013	77%	\$141,303,930	98%
BAR Constructors	Fraine's, DFW Aggregates, Ricochet, MMG, LKT, Brock, Garland Heating & Air, Texas Metal, Buzz, Rangel	\$848,113	8%	\$5,692,644	671%	\$10,049,653	95%

M/WBE PARTICIPATION

as of 05.31.18

CONTRACT DESIGN AND CONSTRUCTION	M/WBE & HUB SUB-CONTRACTORS	CONTRACT COMMITMENT		M/WBE HUB INVOICED TO DATE		TOTAL PROJECT COMPLETED TO DATE	
		\$	%	\$	% (PER COMMITMENT)	\$	%
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%
Pipeline Section 15-2		\$3,947,329	16%	\$20,810,217	527%	\$50,572,476	100%
BAR Constructors	Ricochet, Fraine's, DFW Aggregates, Brock, Tidy Toilets, KDAT, Juan Cantu, Buyer's, RAM, Rangel, LKT, Greenscaping, Environmental Safety	\$3,947,329	16%	\$20,810,217	527%	\$50,572,476	100%
Pipeline Section 14		\$6,084,953	22%	\$6,902,667	113%	\$46,500,531	96%
Garney Construction	AEA, Gorrondona, JC Welding, LKT, Statewide, Bowdens	\$6,084,953	28%	\$6,902,667	113%	\$46,450,531	96%
Magellan	Captioned Crossing Inspection Section 14	\$0	0%	\$0	0%	\$50,000	100%
Pipeline Section 17		\$12,041,871	24%	\$3,233,039	27%	\$53,078,807	67%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno	\$6,642,235	24%	\$1,679,025	25%	\$19,946,069	60%
Thalle Midlothian	Fleet Lube, Rambo Controls, AE Trucking, MKI Construction, Stome Water Management, Industry Junction, Ortega Land Clearing	\$5,399,636	25%	\$1,554,014	29%	\$33,132,738	73%
JCC1		\$3,014,075	11%	\$12,940,782	429%	\$15,437,797	36%
BAR Constructors	Industry Junction, K&A Steel, Ricochet Fuel, Ricochet Fuel, Tidy Toilets, Buzz Custom Fence	\$1,011,840	6%	\$12,075,873	1193%	\$12,991,436	65%
Ebara		\$0	0%	\$0	0%	\$603,745	11%
Lambda Construction	High Voltage	\$2,002,235	37%	\$864,909	43%	\$1,842,616	34%
Oncor Electric		\$0	0%	\$0	0%	\$0	0%
Pipeline Section 10/11		\$7,133,891	20%	\$8,886,834	125%	\$45,626,636	80%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno	\$5,708,755	24%	\$2,778,948	49%	\$39,501,298	91%
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	\$1,425,136	11%	\$6,107,886	429%	\$6,107,886	45%
Valve Packages		\$0	0%	\$0	0%	\$11,858,846	83%
CONSTRUCTION MANAGEMENT		\$23,237,427	36%	\$14,436,474	62%	\$35,249,061	54%
Completed		\$10,553,046	34%	\$6,252,682	59%	\$16,698,879	54%
Active		\$12,684,381	37%	\$8,183,793	65%	\$18,550,183	55%
CONSTRUCTION MATERIALS TESTING		\$7,226,826	60%	\$3,761,611	52%	\$7,162,307	60%
Completed		\$219,036	97%	\$219,036	100%	\$225,132	100%
Active		\$7,007,790	59%	\$3,542,575	51%	\$6,937,175	59%
ROCIP		\$1,499,307	6%	\$308,121	21%	\$19,735,576	85%
TOTAL		\$176,193,484	25%	\$170,163,889	97%	\$831,445,421	85%
LAND COST		\$0	0%	\$61,892	0%	\$65,280,067	280%
MISCELLANEOUS		\$0	0%	\$0	0%	\$3,736,346	6%
GRAND TOTAL		\$176,193,484	25%*	\$170,225,781	97%	\$900,461,834	86%
M/WBE/HUB Invoiced						\$170,225,781	
Grand Total Invoiced						\$900,461,834	
* Exclusions Invoiced						\$266,624,401	
MWBE %						26.86%	

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

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

