



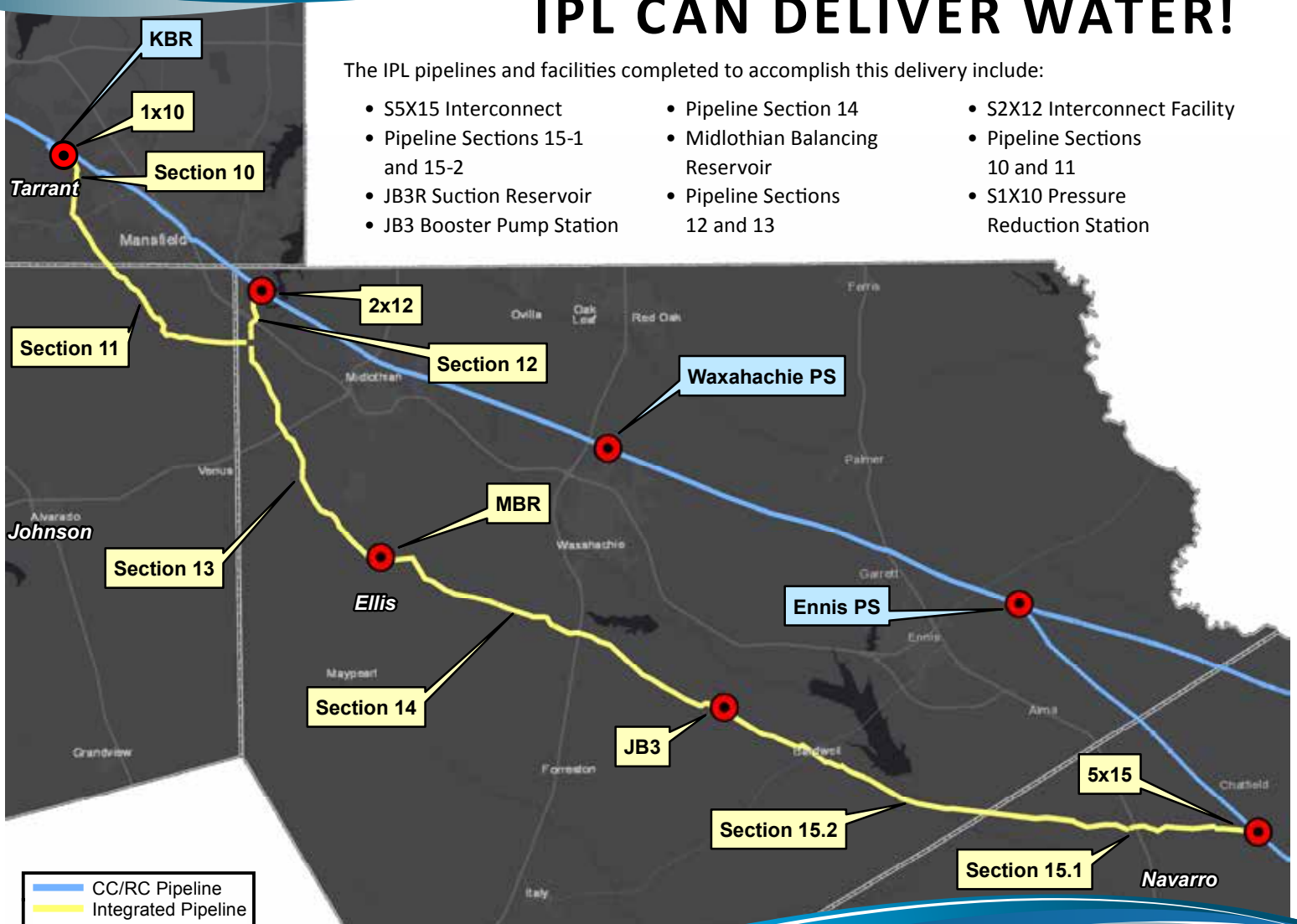
INTEGRATED PIPELINE PROJECT QUARTERLY EXECUTIVE SUMMARY

September 2019

IPL CAN DELIVER WATER!

The IPL pipelines and facilities completed to accomplish this delivery include:

- S5X15 Interconnect
- Pipeline Sections 15-1 and 15-2
- JB3R Suction Reservoir
- JB3 Booster Pump Station
- Pipeline Section 14
- Midlothian Balancing Reservoir
- Pipeline Sections 12 and 13
- S2X12 Interconnect Facility
- Pipeline Sections 10 and 11
- S1X10 Pressure Reduction Station



PROGRAM SUPPORT SERVICES

as of 09.30.19

CONTRACT DESIGN AND CONSTRUCTION	DESCRIPTION	BUDGET	CONTRACTS ISSUED	TOTAL INVOICED
PROGRAM WIDE PROFESSIONAL SERVICES		\$133,062,000	\$88,687,926	\$85,042,657
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	\$13,194,525	\$13,248,699
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	\$11,854,388	\$10,603,582
Geotechnical	Initial Characterization of entire IPL Project	\$12,037,000	\$12,336,425	\$12,195,421
Corrosion Engineering Services	Engineering Corrosion Control	\$3,891,000	\$5,326,362	\$4,286,893
Land, Easement Acquisition, & Support Studies	Right of Entry and Land Acquisition Support Services	\$33,993,000	\$3,464,526	\$3,432,516
SCADA System	Engineering of SCADA system	\$640,000	\$1,508,213	\$622,393
Microwave System	Engineering of Communications System	\$5,210,000	\$1,522,785	\$1,468,609
DESIGN		\$152,837,000	\$133,869,306	\$123,822,218
Completed		\$101,901,000	\$97,470,103	\$99,320,624
Active		\$24,158,000	\$35,860,787	\$24,501,593
CH2M Hill	Project Operational Information and Operations Manual		\$6,479,844	\$4,435,717
CH2M Hill	Final Conformance of Design of JCC1	\$728,000	\$3,377,790	\$3,123,474
MWH	Final Conformance of Design of Section 9/10/11	\$506,000	\$812,562	\$555,735
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	\$1,957,619
HDR	Final Design of Section 19-2	\$5,030,000	\$6,989,876	\$3,180,212
Burns & McDonnell Trans. Mgmt.	Development of Transportation Management Plan		\$905,203	\$866,643
Remaining		\$26,778,000	\$538,417	
CONSTRUCTION ADMINISTRATION		\$48,877,000	\$18,550,960	\$13,152,534
CONSTRUCTION / OWNER FURNISHED EQUIPMENT		\$1,729,540,000	\$713,912,166	\$645,446,193
Completed		\$26,677,000	\$20,634,788	\$20,418,083
Active		\$875,818,000	\$693,277,378	\$625,028,110
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	\$75,736,958	\$71,030,518
MWH Constructors	Construction of JB3 Pump Station	\$51,473,000	\$57,995,805	\$56,522,095
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	\$8,087,153
Pipeline Section 12/13/MBR/IB4 Bypass		\$167,992,000	\$153,924,053	\$153,532,318
Thalle Midlothian	Construction of Sections 12/13/MBR/IB4 Bypass	\$146,310,000	\$143,614,761	\$143,230,542
BAR Constructors	Construction of Richland-Chambers/Cedar Creek Interconnection Facility	\$21,682,000	\$10,185,063	\$10,177,546
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 09.30.19

CONTRACT DESIGN AND CONSTRUCTION	DESCRIPTION	BUDGET	CONTRACTS ISSUED	TOTAL INVOICED
Pipeline Section 15-2		\$97,217,000	\$50,743,593	\$50,743,593
BAR Constructors	Construction of Section 15-2	\$97,217,000	\$50,743,593	\$50,743,593
Pipeline Section 14		\$107,113,000	\$47,130,639	\$47,130,639
Garney Construction	Construction of Section 14	\$107,113,000	\$47,080,639	\$47,080,639
Magellan	Captioned Crossing Inspection Section 14	\$0	\$50,000	\$50,000
Pipeline Section 17		\$109,944,000	\$94,327,511	\$74,648,398
IPL Partners	Construction of Section 17 Tunnel	\$12,252,000	\$48,500,000	\$32,261,789
Thalle Midlothian	Construction of Sections 17/18/IB2 Bypass	\$97,692,000	\$45,827,511	\$42,386,609
JCC1		\$106,582,000	\$105,610,934	\$64,447,429
BAR Constructors	Construction of JCC1 Intake	\$21,564,000	\$18,960,214	\$18,960,214
BAR Constructors	Intake Facility & OFE Installation Package 2	\$63,900,000	\$63,374,755	\$29,517,222
Ebara	Construction of JCC1 Pumps, Motors, Drives	\$17,775,000	\$12,694,890	\$5,902,071
Lambda Construction	High Voltage		\$5,824,825	\$5,311,672
Oncor Electric	Construction of JCC1 HV Transmission Lines	\$3,343,000	\$4,756,250	\$4,756,250
Pipeline Section 10/11		\$73,679,000	\$57,810,141	\$56,402,937
IPL Partners	Construction of Section 10/11	\$72,362,000	\$43,815,594	\$41,716,801
Oncor Electric	Construction of KBR S1X10 HV Transmission Lines		\$17,452	\$17,452
BAR Constructors	Construction of KBR S1X10	\$1,317,000	\$13,977,095	\$14,668,684
Valve Packages		\$15,166,000	\$14,306,294	\$13,405,022
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	\$6,211,694
Crispin Valves	Valve Package 4 - Section 12 RC/CC Interconnection, JB4 Bypass, MBR Yard Butterfly Valves	\$3,999,000	\$2,269,140	\$2,187,448
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	\$478,838
Crispin Valves	Valve Package 8 - Section 10 & 11 Bypass Butterfly Valves	\$1,391,000	\$1,461,040	\$1,325,916
Blackhall Engineering	Valve Package 11 - JCC1 Gate Valve	\$1,320,000	\$1,788,958	\$1,428,822
Remaining		\$827,045,000		
CONSTRUCTION MANAGEMENT		\$65,170,000	\$51,849,779	\$43,782,986
Completed		\$15,777,000	\$15,687,599	\$19,305,219
Active		\$17,665,000	\$36,162,180	\$24,477,768
Remaining		\$31,728,000		
CONSTRUCTION MATERIALS TESTING		\$17,296,000	\$12,489,841	\$9,039,466
Completed		\$203,000	\$225,133	\$225,132
Active		\$7,791,000	\$12,264,708	\$8,814,334
Remaining		\$9,302,000		
ROCI		\$2,575,000	\$31,847,084	\$21,998,268
LAND COST		\$107,384,000	\$72,251,705	\$72,251,705
PROGRAM LEVEL CONTINGENCY		\$83,178,000		
MISCELLANEOUS		\$2,000,000	\$4,696,842	\$4,696,842
GRAND TOTAL		\$2,341,919,000	\$1,128,155,610	\$1,019,232,869
REMAINING BOND FUNDS				\$230,767,131

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

ACCOMPLISHMENTS

through 09.30.19

IPL PROGRAM GENERAL OPERATIONAL STATUS

The IPL System is currently able to deliver water from Richland Chambers Reservoir to the cross-connections with the existing Richland Chambers and Cedar Creek pipelines at the S2X12 Interconnect Facility near Joe Pool Lake and the future DWU connection point. The IPL System is also able to deliver water to the Arlington Outlet via the S1X10 Pressure Reduction Station, the KBR Bypass pipeline and the Line J Pipeline.

As illustrated on the report cover, the IPL pipelines and facilities that have been completed to accomplish this delivery are:

- S5X15 Interconnect
- Pipeline Sections 15-1 and 15-2
- JB3R Suction Reservoir
- JB3 Booster Pump Station
- Pipeline Section 14
- Midlothian Balancing Reservoir
- Pipeline Sections 12 and 13
- S2X12 Interconnect Facility
- Pipeline Sections 10 and 11
- S1X10 Pressure Reduction Station

CURRENT PROJECT UPDATES

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

- Project is Substantially Complete and operational.

JB3 (250mgd Pump Station expandable to 350mgd)

- Project is Substantially Complete and operational.

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

- Project is Substantially Complete.

PL17TUN (Trinity River Tunnel on Pipeline Section 17)

- Continue casting concrete tunnel liner segments.
- Double-shift tunneling has completed 1,000'+ of the tunnel as of the end of September.

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

- Project is Substantially Complete and Oncor is progressing with work on switching station for permanent pump station power.
- Contractor is performing monthly maintenance checks until substation is energized.

JCC1 (Cedar Creek Lake Pump Station)

- Completed installation of structural steel and precast panels for Pump Station and Electrical Room.
- Installing the metal decking for Pump Station roof.
- Installing structural steel for the Chemical Building, Storage Building and Water Treatment Building.

- Began installation of the 108-inch piping.
- Completed the 108" Gate Valve Vault.
- Installed Chemical Tanks.
- Continued installation of electrical ductbanks and the fire line.
- Received three Ebara pumps from Japan.

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

- Project is Substantially Complete as of July 8, 2019.
- Completed punch list with the exception of establishing required ROW revegetation.

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

- Continued installing ROW fences and gates.
- Fine grading ROW, installing cable mats and driveways.

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

- Project is Substantially Complete and operational.
- Working on final Change Order activities.

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

- Contract is complete.

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

- All factory tests have been completed and equipment is currently being received at the project site.



OFE09 Pump assembly for JCC1 vertical pump in Japan

OFE11 (Owner-Furnished 108" Gate Valve)

- Final gate valve is on site at JCC1 Pump Station.
- OPT reps witnessed successful pump performance testing of all units.
- Units are being shipped for delivery.

OFE11 (Owner-Furnished 108" Gate Valve)

- Gate valve is being shop-assembled for testing.

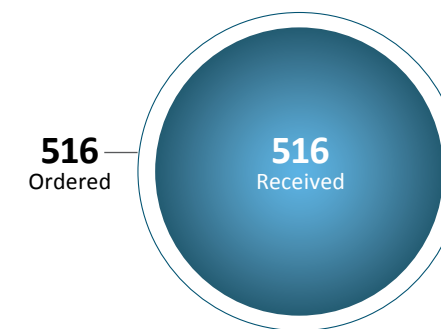
PROJECT SCHEDULE

PROJECT COMPONENTS	2018				2019				2020			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
SECTION 17 TUNNEL CONSTRUCTION	[Progress bar showing completion through Q4 2019]											
JCC1 PUMP STATION INTAKE WET WELL CONSTRUCTION	SUBSTANTIALLY COMPLETE											
SECTION 17, 18 CONSTRUCTION	[Progress bar showing completion through Q2 2020]											
JCC1 HIGH VOLTAGE SUBSTATION CONSTRUCTION	SUBSTANTIALLY COMPLETE											
JCC1 CONSTRUCTION	[Progress bar showing completion through Q4 2019]											

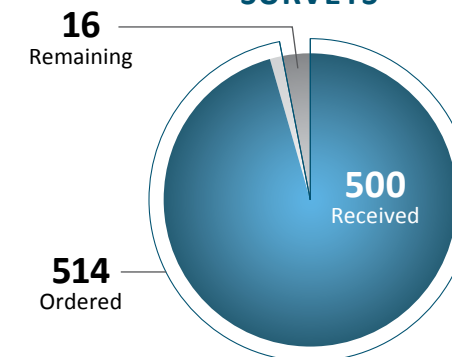
ACTIVITY STATUS

through 09.30.19

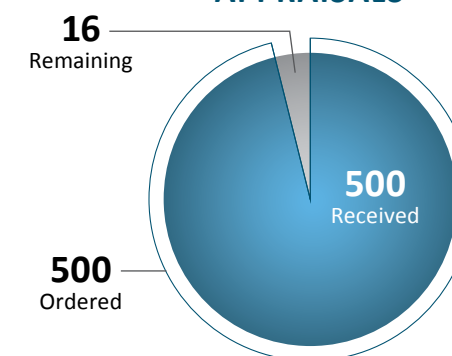
TITLE COMMITMENTS



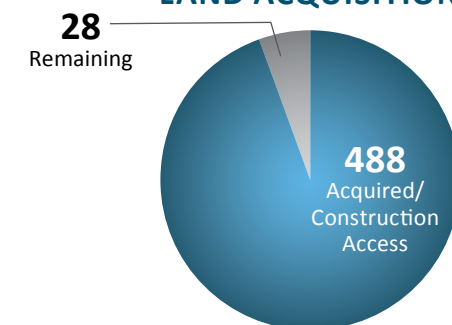
SURVEYS



APPRAISALS



LAND ACQUISITION



Total Parent Parcels: 516



JCC1 Aerial view of JCC1 Pump Station complex



PL17TUN Looking east at tunnel from the access shaft



PL14 Typical pipeline ROW re-vegetation

M/WBE PARTICIPATION

as of 09.30.19

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		\$20,122,412	23%	\$20,030,887	100%	\$85,042,657	96%
Program Management		\$6,636,687	19%	\$6,636,687	100%	\$35,124,711	100%
Conceptual Design / Environmental / Permitting		\$2,644,586	20%	\$2,827,564	107%	\$13,248,699	100%
Value Engineering		\$23,178	5%	\$23,178	100%	\$472,248	100%
Surveying and Mapping		\$3,939,403	33%	\$3,863,616	98%	\$10,603,582	89%
Geotechnical		\$3,638,078	29%	\$3,545,033	97%	\$12,195,421	99%
Corrosion Engineering Services		\$1,053,764	20%	\$761,434	72%	\$4,286,893	80%
Land, Easement Acquisition, & Support		\$1,294,837	37%	\$1,838,072	142%	\$3,432,516	99%
Studies		\$41,717	1%	\$41,717	100%	\$3,587,584	92%
SCADA System		\$384,444	25%	\$43,932	11%	\$622,393	41%
Microwave System		\$465,719	31%	\$449,653	97%	\$1,468,609	96%
DESIGN		\$35,085,309	26%	\$33,372,199	95%	\$123,822,218	92%
Completed		\$26,558,396	27%	\$27,445,995	103%	\$99,320,624	102%
Active		\$8,526,913	24%	\$5,926,204	69%	\$24,501,593	68%
CH2M Hill (Ops Manual)	NDM	\$1,063,611	16%	\$685,703	64%	\$4,435,717	68%
CH2M Hill (JCC1)	JQ, Gupta, APM, HVJ, XENCO	\$1,005,323	30%	\$1,165,809	116%	\$3,123,474	92%
MWH	Garzabury, Kevin Sloan	\$226,705	28%	\$136,372	60%	\$555,735	68%
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%	\$481,253	27%	\$1,957,619	28%
HDR	AZB, Daltech, Word Wizards, Gupta	\$1,747,469	25%	\$639,501	37%	\$3,180,212	45%
Burns & McDonnell Trans. Mgmt.	Lamb-Star Engineering	\$162,500	18%	\$121,498	75%	\$866,643	96%
Remaining		\$0	0%	\$0	0	\$0	0%
CONSTRUCTION ADMINISTRATION		\$4,533,900	24%	\$2,967,587	65%	\$13,152,534	71%
CONSTRUCTION / OWNER FURNISHED EQUIPMENT		\$86,236,253	12%	\$144,252,760	167%	\$645,446,193	90%
Completed		\$4,252,128	22%	\$4,091,050	96%	\$20,418,083	99%
Active		\$81,984,125	19%	\$140,161,710	171%	\$625,028,110	90%
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		\$15,259,759	26%	\$12,849,193	84%	\$71,030,518	94%
MWH Constructors	Statewide, Cowboy, TX Enviro, Champion, Ram Tool, Rent-a-Fence, Soto Steel, A-Star, Ike, Greystone, LKT, Accurate, Green Scaping	\$13,809,839	27%	\$11,399,273	83%	\$56,522,095	97%
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%	\$8,087,153	72%
Pipeline Section 12/13/MBR/JB4 Bypass		\$22,074,476	24%	\$22,270,125	101%	\$153,532,318	100%
Thalle Midlothian	LKT, Statewide, Granados, Desert Steel, ETTL, Glenko, A.N.A., Edwards, Buzz, Bradley-Douglas, Pinnacle	\$21,260,756	27%	\$16,449,587	77%	\$143,230,542	100%
BAR Constructors	Fraire's, DFW Aggregates, Ricochet, MMG, LKT, Brock, Garland Heating & Air, Texas Metal, Buzz, Rangel	\$813,719	8%	\$5,820,538	715%	\$10,177,546	100%

M/WBE PARTICIPATION

as of 09.30.19

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%	\$20,981,334	532%	\$50,743,593	100%
BAR Constructors	Ricochet, Fraire's, DFW Aggregates, Brock, Tidy Toilets, KDAT, Juan Cantu, Buyer's, RAM, Rangel, LKT, Greenscaping, Environmental Safety	\$3,947,329	16%	\$20,981,334	532%	\$50,743,593	100%
Pipeline Section 14		\$5,925,447	22%	\$6,957,922	117%	\$47,130,639	100%
Garney Construction	AEA, Gorrondona, JC Welding, LKT, Statewide, Bowdens	\$5,925,447	29%	\$6,957,922	117%	\$47,080,639	100%
Magellan	Captioned Crossing Inspection Section 14	\$0	0%	\$0	0%	\$50,000	100%
Pipeline Section 17		\$15,157,296	23%	\$4,485,726	30%	\$74,648,398	79%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno	\$9,736,346	23%	\$2,243,862	23%	\$32,261,789	67%
Thalle Midlothian	Fleet Lube, Rambo Controls, AE Trucking, MKI Construction, Stome Water Management, Industry Junction, Ortega Land Clearing	\$5,420,950	24%	\$2,241,864	41%	\$42,386,609	92%
JCC1		\$3,088,051	3%	\$48,450,318	1569%	\$64,447,429	61%
BAR Constructors	Industry Junction, K&A Steel, Ricochet Fuel, Ricochet Fuel, Tidy Toilets, Buzz Custom Fence	\$961,990	6%	\$18,008,980	1872%	\$18,960,214	100%
BAR Constructors	Industry Junction, K&A Steel, Ricochet Fuel, Ricochet Fuel, Tidy Toilets	\$0	0%	\$29,517,222	0%	\$29,517,222	47%
Ebara		\$0	0%	\$0	0%	\$5,902,071	101%
Lambda Construction	High Voltage	\$2,126,061	37%	\$924,115	43%	\$5,311,672	91%
Oncor Electric		\$0	0%	\$0	0%	\$4,756,250	100%
Pipeline Section 10/11		\$7,214,467	20%	\$17,517,356	243%	\$56,402,937	98%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno	\$5,761,202	24%	\$2,848,672	49%	\$41,716,801	95%
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	\$1,453,265	11%	\$14,668,684	1009%	\$14,668,684	105%
Valve Packages		\$0	0%	\$0	0%	\$13,405,022	94%
CONSTRUCTION MANAGEMENT		\$19,155,809	37%	\$17,109,322	89%	\$43,782,986	84%
Completed		\$5,928,803	38%	\$6,436,285	109%	\$19,305,219	123%
Active		\$13,227,006	37%	\$10,673,037	81%	\$24,477,768	68%
CONSTRUCTION MATERIALS TESTING		\$7,129,451	57%	\$5,302,249	74%	\$9,039,466	72%
Completed		\$219,036	97%	\$219,036	100%	\$225,132	100%
Active		\$6,910,415	56%	\$5,083,213	74%	\$8,814,334	72%
ROCIP		\$900,661	3%	\$370,813	41%	\$21,998,268	69%
TOTAL		\$173,163,795	22%	\$223,405,816	129%	\$942,284,322	90%
LAND COST		\$0	0%	\$61,892	0%	\$72,251,705	227%
MISCELLANEOUS		\$0	0%	\$0	0%	\$4,696,842	7%
GRAND TOTAL		\$173,163,795	22%*	\$223,467,708	129%	\$1,019,232,869	90%
					M/WBE/HUB Invoiced		\$223,467,708
					Grand Total Invoiced		\$1,019,232,869
					* Exclusions Invoiced		\$272,685,460
					MWBE %		29.93%

* 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

