

#### INTEGRATED PIPELINE PROJECT

#### MONTHLY EXECUTIVE SUMMARY

October 2017



#### IPL PROGRAM MANAGEMENT

Tarrant Regional Water District 804 East Northside Drive Fort Worth, TX 76102 817.720.4469 p 817.720.4397 f

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@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 10.31.17

| CONTRACT DESIGN AND CONSTRUCTION                  | DESCRIPTION  | BUDGET          | CONTRACTS<br>ISSUED | TOTAL<br>INVOICED |
|---|--|-----------------|---------------------|-------------------|
| PROGRAM WIDE PROFESSIONAL SERVI                   | CES  | \$133,062,000   | \$88,965,790        | \$84,404,964      |
| 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 /<br>Permitting | Operations plan & Prepare 404 permit application,<br>Envision Application Completion                 | \$13,551,000    | \$13,472,389        | \$13,193,689      |
| 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        | \$10,483,137      |
| Geotechnical                                      | Initial Characterization of entire IPL Project   | \$12,037,000    | \$12,336,425        | \$12,064,733      |
| Corrosion Engineering Services                    | Engineering Corrosion Control  | \$3,891,000     | \$5,326,362         | \$4,105,529       |
| Land, Easement Acquisition, & Support             | Right of Entry and Land Acquisition Support Services   | \$33,993,000    | \$3,464,526         | \$3,422,067       |
| Studies   |  | \$3,500,000     | \$3,883,743         | \$3,587,584       |
| SCADA System                                      | Engineering of SCADA system  | \$640,000       | \$1,508,213         | \$482,656         |
| Microwave System                                  | Engineering of Communications System   | \$5,210,000     | \$1,522,785         | \$1,468,609       |
| DESIGN  |  | \$152,837,000   | \$128,351,139       | \$116,195,149     |
| Completed   |  | \$101,901,000   | \$95,902,930        | \$95,190,350      |
| Active  |  | \$24,158,000    | \$31,909,793        | \$21,004,798      |
| CH2M Hill   | Project Operational Information and Operations Manual  |                 | \$3,044,922         | \$2,775,659       |
| CH2M Hill   | Final Conformance of Design of JCC1  | \$728,000       | \$2,861,718         | \$1,559,918       |
| 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         | \$9,651,306       |
| 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         | \$1,805,842       |
| HDR   | Final Design of Section 19-2   | \$5,030,000     | \$6,989,876         | \$3,152,067       |
| 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        | \$11,444,592      |
| CONSTRUCTION / OWNER FURNISHED                    | EQUIPMENT  | \$1,729,540,000 | \$633,157,069       | \$508,694,495     |
| Completed   |  | \$26,677,000    | \$20,593,942        | \$20,377,238      |
| Active  |  | \$811,918,000   | \$612,563,127       | \$488,317,257     |
| Pipeline Section 15-1                             |  | \$115,112,000   | \$94,701,185        | \$93,361,406      |
| Garney Construction                               | Construction of Section 15-1   | \$115,112,000   | \$94,701,185        | \$93,361,406      |
| JB3   |  | \$83,013,000    | \$74,582,587        | \$58,295,477      |
| MWH Constructors                                  | Construction of JB3 Pump Station   | \$51,473,000    | \$57,118,744        | \$45,717,893      |
| 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             | \$383,653           | \$336,623         |
| 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             |  | \$167,992,000   | \$154,163,248       | \$147,723,163     |
| Thalle Midlothian                                 | Construction of Sections 12/13/MBR/JB4 Bypass  | \$146,310,000   | \$143,445,210       | \$137,822,910     |
| BAR Constructors                                  | Construction of Richland-Chambers/Cedar Creek<br>Interconnection Facility                            | \$21,682,000    | \$10,593,808        | \$9,776,024       |
| 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 10.31.17

| CONTRACT DESIGN AND CONSTRUCTION | DESCRIPTION   | BUDGET          | CONTRACTS<br>ISSUED | TOTAL<br>INVOICED |
|----------------------------------|---|-----------------|---------------------|-------------------|
| Pipeline Section 15-2            |   | \$97,217,000    | \$53,035,244        | \$49,174,982      |
| BAR Constructors                 | Construction of Section 15-2  | \$97,217,000    | \$53,035,244        | \$49,174,982      |
| Pipeline Section 14              |   | \$107,113,000   | \$48,335,397        | \$44,035,096      |
| Garney Construction              | Construction of Section 14  | \$107,113,000   | \$48,335,397        | \$44,035,096      |
| Pipeline Section 17              |   | \$109,944,000   | \$78,579,258        | \$40,288,119      |
| IPL Partners                     | Construction of Section 17 Tunnel   | \$12,252,000    | \$33,067,943        | \$17,410,700      |
| Thalle Midlothian                | Construction of Sections 17/18/JB2 Bypass   | \$97,692,000    | \$45,511,315        | \$22,877,419      |
| JCC1                             |   | \$42,682,000    | \$37,769,125        | \$9,714,812       |
| BAR Constructors                 | Construction of JCC1 Intake   | \$21,564,000    | \$19,803,301        | \$9,111,068       |
| Ebara                            | Construction of JCC1 Pumps, Motors, Drives  | \$17,775,000    | \$12,694,890        | \$603,745         |
| Oncor Electric                   | Construction of JCC1 HV Transmission Lines  | \$3,343,000     | \$5,270,933         | \$0               |
| Pipeline Section 10/11           |   | \$73,679,000    | \$57,090,790        | \$36,110,053      |
| IPL Partners                     | Construction of Section 10/11   | \$72,362,000    | \$43,398,742        | \$34,380,862      |
| Oncor Electric                   | Construction of KBR S1X10 HV Transmission Lines   |                 | \$17,452            | \$17,452          |
| BAR Constructors                 | Construction of KBR S1X10   | \$1,317,000     | \$13,674,595        | \$1,711,739       |
| Valve Packages                   |   | \$15,166,000    | \$14,306,294        | \$9,614,149       |
| Garney Construction              | Construction Valve Package 1 - Section 15-1 Butterfly Valves                              |                 | \$0                 | \$0               |
| Rodney Hunt                      | Iney Hunt Valve Package 2 - Section 15-1 Interconnection Facility Valves                  |                 |                     | \$733,206         |
| Blackhall Engineering            | Valve Package 3 - JB3, Section 15-2, MBR Yard Gate Valves                                 | \$5,500,000     | \$6,278,388         | \$5,363,170       |
| Crispin Valves                   | Valve Package 4 - Section 12 RC/CC Interconnection, JB4 Bypass, MBR Yard Butterfly Valves | \$3,999,000     | \$2,269,140         | \$1,915,482       |
| Crispin Valves                   | Valve Package 5 - JB3 Butterfly Valves  | \$1,249,000     | \$1,249,222         | \$869,234         |
| Ross Valves                      | Valve Package 6 - Section 12 RC/CC Interconnection<br>Multi-Orifice Valves                | \$715,000       | \$526,340           | \$352,005         |
| Crispin Valves                   | Valve Package 8 - Section 10 & 11 Bypass Butterfly<br>Valves                              | \$1,391,000     | \$1,461,040         | \$204,156         |
| Blackhall Engineering            | Valve Package 11 - JCC1 Gate Valve  | \$1,320,000     | \$1,788,958         | \$176,896         |
| Remaining                        |   | \$890,945,000   |                     |                   |
| CONSTRUCTION MANAGEMENT          |   | \$65,170,000    | \$45,397,801        | \$30,110,823      |
| Completed                        |   | \$15,777,000    | \$15,687,599        | \$15,687,599      |
| Active                           |   | \$17,665,000    | \$29,710,201        | \$14,423,223      |
| Remaining                        |   | \$31,728,000    |                     |                   |
| CONSTRUCTION MATERIALS TESTING   |   | \$17,296,000    | \$12,013,590        | \$6,165,596       |
| Completed                        |   | \$203,000       | \$225,133           | \$225,132         |
| Active                           |   | \$7,791,000     | \$11,788,457        | \$5,940,464       |
| Remaining                        |   | \$9,302,000     |                     |                   |
| ROCIP                            |   | \$2,575,000     | \$23,351,087        | \$18,792,429      |
| LAND COST                        |   | \$107,384,000   | \$61,052,798        | \$61,052,798      |
| PROGRAM LEVEL CONTINGENCY        |   | \$83,178,000    |                     |                   |
| MISCELLANEOUS                    |   | \$2,000,000     | \$2,252,640         | \$2,252,640       |
| GRAND TOTAL                      |   | \$2,341,919,000 | \$1,013,092,874     | \$839,113,485     |
| REMAINING BOND FUNDS             |   |                 |                     | \$410,886,515     |

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

#### **ACCOMPLISHMENTS**

through 11.30.17

**IPL15-1** (Pipeline Section 15-1 including the S5X15 Richland-Chambers Pipeline Interconnect Facility)

- Completed security fencing and gates at S5X15.
- Continue installing ROW fencing H-Braces added by change order.

JB3RR (Pump Suction Reservoir Grading and Grassing Project)

Continue mowing and maintenance of embankment slopes.

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

- Continue security fencing at MBR, ROW fencing and gates, and completed cable mats at creek crossings.
- Electrical ductbanks and security camera foundations were installed on top of embankments.
- Installing trash racks at reservoir outlets.

JB3 (250mgd Pump Station expandable to 350mgd)

- Installed pumps on pump skids and installed couplings on motors.
- Installed sheetrock in the Control Room and wall covering system in the
- Continued installation of outside ductwork for Air Handling Units.
- Continued installation of YP-2 Suction Header Pipe from pump station to reservoir 1.
- Installed 108" gate valve

PL15-2 (Pipeline Section15-2 that feeds the JB3 Reservoir)

- Continue electrical work at 108" Gate Valve facility and completed security fencing at the vault site.
- Continue ROW fences and gates, cable mat installations and cathodic protection test stations.
- Continue installing permanent access driveways from County and TxDOT

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

- Completed the tie-ins to the existing Richland Chambers and Cedar Creek
- Completed coating of 60" piping.
- Continue installation of irrigation system.

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

- Completed successful hydrostatic pressure testing of all of PL14 pipeline.
- Continue ROW restoration, fencing and gates, cathodic protection anode beds and cable mat installations.

**PL17TUN** (Trinity River Tunnel on Pipeline Section 17)

- Continue installation of open-cut 108" pipeline and dewatering wells for open-cut piping on east side of the river.
- Continue receiving pipe, embedment and tunnel support materials.

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

- Placed structural concrete at 3 lower walls, 2 front walls and at structural columns.
- Continue forming and rebar for additional wall placements.
- Completed 12 drilled piers for south wingwall.
- 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 8,200 l.f. of pipe for section 11.
- Received 108" monolithic isolation joint at JB4.
- Clean-up crews continue ROW restoration and permanent ROW fences
- Continue installing anode beds and cathodic protection test stations.

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

- Installed 2,500 l.f. of 108" pipeline and continue ROW cleanup behind pipelaying operation.
- Continue receiving pipe and installing temporary fences and gates.
- Pipe joint welding and testing is on-going.

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

- Placed forms, rebar and concrete for remaining pipe chase walls and
- Continued installing duct banks for power and communication lines.
- Installed floor drains and under slab piping and risers.

OFE03 (Owner-Furnished 108" Gate Valves)

• GV#4 installed at JB3 Booster Pump Station.

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

All valves have been delivered.

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

Valves delivered and installed, awaiting facility start-up.

**OFE07** (Owner-Furnished pumps, motors and variable frequency drives

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

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

Valves are in production

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

• Continue reviewing submittals for pump package.

**OFE11** (Owner-Furnished 108" Gate Valve) · Continue reviewing submittals received from Blackhall.

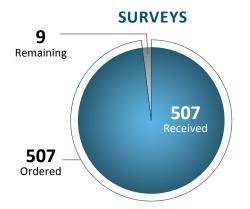
JCC1IN Concrete and rebar placement for front walls

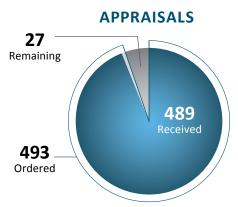


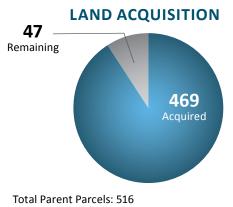
S2X12 Finish coating on 60-inch pipe

#### **ACTIVITY STATUS**









#### PROJECT SCHEDULE

| DDG (FOT COMPONITION                                |    | 2014 |    |    | 2015 |    |    | 2016 |    |    | 2017 |    |    |    | 2018 |    |    |    |    |    |
|---|----|------|----|----|------|----|----|------|----|----|------|----|----|----|------|----|----|----|----|----|
| PROJECT COMPONENTS                                  | 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 10.31.17

| CONTRACT DESIGN                   | M/WBE & HUB SUB-   | CONTRACT<br>COMMITM | ENT | M/WBE   H<br>INVOICED 1 |                          | TOTAL PROJECT<br>COMPLETED TO<br>DATE |      |  |
|-----------------------------------|--|---------------------|-----|-------------------------|--------------------------|---------------------------------------|------|--|
| AND CONSTRUCTION                  | CONTRACTORS  | \$                  | %   | \$                      | %<br>(PER<br>COMMITMENT) | \$                                    | %    |  |
| PROGRAM WIDE PROFESSIONAL         | SERVICES   | \$20,178,105        | 23% | \$19,666,637            | 97%                      | \$84,404,964                          | 95%  |  |
| Program Management                |  | \$6,636,687         | 19% | \$6,636,687             | 100%                     | \$35,124,711                          | 100% |  |
| Conceptual Design / Environmenta  | I / Permitting   | \$2,700,278         | 20% | \$2,822,344             | 105%                     | \$13,193,689                          | 98%  |  |
| Value Engineering                 |  | \$23,178            | 5%  | \$23,178                | 100%                     | \$472,248                             | 100% |  |
| Surveying and Mapping             |  | \$3,939,403         | 33% | \$3,831,616             | 97%                      | \$10,483,137                          | 88%  |  |
| Geotechnical                      |  | \$3,638,078         | 29% | \$3,545,033             | 97%                      | \$12,064,733                          | 98%  |  |
| Corrosion Engineering Services    |  | \$1,053,764         | 20% | \$761,434               | 72%                      | \$4,105,529                           | 77%  |  |
| Land, Easement Acquisition, & Sup | port   | \$1,294,837         | 37% | \$1,522,767             | 118%                     | \$3,422,067                           | 99%  |  |
| Studies                           |  | \$41,717            | 1%  | \$41,717                | 100%                     | \$3,587,584                           | 92%  |  |
| SCADA System                      |  | \$384,444           | 25% | \$32,208                | 8%                       | \$482,656                             | 32%  |  |
| Microwave System                  |  | \$465,719           | 31% | \$449,653               | 97%                      | \$1,468,609                           | 96%  |  |
| DESIGN                            |  | \$33,817,181        | 26% | \$31,049,102            | 92%                      | \$116,195,149                         | 91%  |  |
| Completed                         |  | \$26,158,044        | 27% | \$26,046,137            | 100%                     | \$95,190,350                          | 99%  |  |
| Active                            |  | \$7,659,137         |     | \$5,002,965             |                          | \$21,004,798                          | 66%  |  |
| CH2M Hill (Ops Manual)            | NDM  | \$479,674           | 16% | \$486,259               | 101%                     | \$2,775,659                           | 91%  |  |
| CH2M Hill (JCC1)                  | JQ, Gupta, APM, HVJ, XENCO   | \$721,484           | 25% | \$465,685               | 65%                      | \$1,559,918                           | 55%  |  |
| мwн                               | Garzabury, Kevin Sloan   | \$226,705           | 28% | \$136,372               | 60%                      | \$535,921                             | 66%  |  |
| Black & Veatch                    | Black & Veatch BDS, CAS, JQ, TME   |                     | 25% | \$2,577,758             | 106%                     | \$9,651,306                           | 99%  |  |
| Parsons                           | Criado, EPB, HVJ   | \$144,845           | 25% | \$112,357               | 78%                      | \$681,545                             | 118% |  |
| Brown & Gay                       | AZB, TME, Lamb-Star, NDM   | \$1,750,930         | 25% | \$469,561               | 27%                      | \$1,805,842                           | 26%  |  |
| HDR                               | AZB, Daltech, Word Wizards, Gupta  | \$1,747,469         | 25% | \$639,501               | 37%                      | \$3,152,067                           | 45%  |  |
| Burns & McDonnell Trans.<br>Mgmt. | Lamb-Star Engineering  | \$162,500           | 18% | \$115,472               | 71%                      | \$842,540                             | 93%  |  |
| Remaining                         |  | \$0                 | 0%  | \$0                     | 0                        | \$0                                   | 0%   |  |
| CONSTRUCTION ADMINISTRATIO        | N  | \$4,533,900         | 24% | \$2,659,615             | 59%                      | \$11,444,592                          | 62%  |  |
| CONSTRUCTION / OWNER FURNIS       | SHED EQUIPMENT   | \$81,135,769        | 13% | \$81,688,471            | 101%                     | \$508,694,495                         | 80%  |  |
| Completed                         |  | \$4,217,818         | 21% | \$4,091,050             | 97%                      | \$20,377,238                          | 99%  |  |
| Active                            |  | \$76,917,951        | 22% | \$77,597,421            | 101%                     | \$488,317,257                         | 80%  |  |
| Pipeline Section 15-1             |  | \$9,418,137         | 28% | \$6,649,736             | 71%                      | \$93,361,406                          | 99%  |  |
| Garney Construction               | Danridge, SYB, Ricochet, Glenko, Carrasco,<br>Cowboy, Gorrondona, Custom Fence, LKT,<br>Astro Johnny, Pam, Father & Son, Bowden's<br>Erosion | \$9,418,137         | 28% | \$6,649,736             | 71%                      | \$93,361,406                          | 99%  |  |
| JB3                               |  | \$15,051,893        | 26% | \$10,130,515            | 67%                      | \$58,295,477                          | 78%  |  |
| MWH Constructors                  | Statewide, Cowboy, TX Enviro, Champion,<br>Ram Tool, Rent-a-Fence, Soto Steel, A-Star,<br>Ike, Greystone, LKT, Accurate, Green Scaping       | \$13,601,973        | 27% | \$8,680,594             | 64%                      | \$45,717,893                          | 80%  |  |
| Oncor Electric                    |  | \$1,449,920         | 3%  | \$1,449,920             | 100%                     | \$4,864,888                           | 9%   |  |
| Isolux Corsan                     | Dyna Grid  | \$0                 | 0%  | \$0                     | 0%                       | \$923,119                             | 96%  |  |
| RE Monks                          |  | \$0                 | 0%  | \$0                     | 0%                       | \$336,623                             | 7%   |  |
| Pentair Flow Technologies         |  | \$0                 | 0%  | \$0                     | 0%                       | \$6,452,954                           | 57%  |  |

# M/WBE PARTICIPATION

| CONTRACT DESIGN                       | M/WBE & HUB SUB-  | CONTRACT<br>COMMITM                     |         | M/WBE   H<br>INVOICED 1    |                          | TOTAL PROJECT<br>COMPLETED TO<br>DATE |        |  |
|---------------------------------------|---|---|---------|----------------------------|--------------------------|---------------------------------------|--------|--|
| AND CONSTRUCTION                      | CONTRACTORS   | \$                                      | %       | \$                         | %<br>(PER<br>COMMITMENT) | \$                                    | %      |  |
| Pipeline Section 12/13/MBR/JB4 Bypass |   | \$22,082,031                            | 24%     | \$21,485,085               | 97%                      | \$147,723,163                         | 969    |  |
| Thalle Midlothian                     | LKT, Statewide, Granados, Desert Steel, ETTL,<br>Glenko, A.N.A., Edwards, Buzz, Bradley-<br>Douglas, Pinnacle   | \$21,235,656                            | 27%     | \$16,066,070               | 76%                      | \$137,822,910                         | 969    |  |
| BAR Constructors                      | Fraire's, DFW Aggregates, Ricochet, MMG,<br>LKT, Brock, Garland Heating & Air, Texas<br>Metal, Buzz, Rangel   | \$846,375                               | 8%      | \$5,419,015                | 640%                     | \$9,776,024                           | 92     |  |
| Hilco Electric                        |   | \$0                                     | #DIV/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                 |   | \$4,125,596                             | 15%     | \$19,412,915               | 471%                     | \$49,174,982                          | 93     |  |
| BAR Constructors                      | Ricochet, Fraire's, DFW Aggregates, Brock,<br>Tidy Toilets, KDAT, Juan Cantu, Buyer's, RAM,<br>Rangel, LKT, Greenscaping, Environmental<br>Safety   | \$4,125,596                             | 15%     | \$19,412,915               | 471%                     | \$49,174,982                          | 939    |  |
| Pipeline Section 14                   |   | \$6,083,367                             | 22%     | \$6,667,972                | 110%                     | \$44,035,096                          | 919    |  |
| Garney Construction                   | AEA, Gorrondona, JC Welding, LKT,<br>Statewide, Bowdens   | \$6,083,367                             | 22%     | \$6,667,972                | 110%                     | \$44,035,096                          | 91     |  |
| Pipeline Section 17                   |   | \$12,021,917                            | 24%     | \$1,341,619                | 11%                      | \$40,288,119                          | 51     |  |
| IPL Partners                          | LKT, Industry Junction, Eagle Aggregate,<br>Suncoast Res, ATS Drilling, RECS, ANA,<br>Alliance, Ram, JC Welding, Luis Moreno  | \$6,638,370                             | 24%     | \$1,333,709                | 20%                      | \$17,410,700                          | 53     |  |
| Thalle Midlothian                     | Fleet Lube, Rambo Controls, AE Trucking, MKI<br>Construction, Stome Water Management,<br>Industy Junction, Ortega Land Clearing   | \$5,383,547                             | 25%     | \$7,909                    | 0%                       | \$22,877,419                          | 50     |  |
| CC1                                   |   | \$1,004,766                             | 4%      | \$8,195,505                | 816%                     | \$9,714,812                           | 26     |  |
| BAR Constructors                      | Industry Junction, K&A Steel, Ricochet Fuel,<br>Ricochet Fuel, Tidy Toilets, Buzz Custom<br>Fence   | \$1,004,766                             | 6%      | \$8,195,505                | 816%                     | \$9,111,068                           | 46     |  |
| Ebara                                 | · ende  | \$0                                     | 0%      | \$0                        | 0%                       | \$603,745                             | 5      |  |
| Oncor Electric                        |   | \$0                                     | 0%      | \$0                        | 0%                       | \$0                                   | C      |  |
| Pipeline Section 10/11                |   | \$7,130,243                             | 20%     | \$3,714,076                | 52%                      | \$36,110,053                          | 63     |  |
| IPL Partners                          | LKT, Industry Junction, Eagle Aggregate,<br>Suncoast Res, ATS Drilling, RECS, ANA,<br>Alliance,Ram, JC Welding, Luis Moreno   | \$5,706,391                             | 24%     | \$2,002,337                | 35%                      | \$34,380,862                          | 79     |  |
| Oncor Electric                        | , and the control of | \$0                                     | 0%      | \$0                        | 0%                       | \$17,452                              | 100    |  |
| BAR Constructors                      | Industry Junction,VSG Trucking, Ricochet,<br>MMG Disposal,Garland HVAC,CMC Rebar,<br>Buzz Custum Fence, K&A Steel, Rangle Land<br>Surveying   | \$1,423,852                             | 11%     | \$1,711,739                | 120%                     | \$1,711,739                           | 13     |  |
| /alve Packages                        |   | \$0                                     | 0%      | \$0                        | 0%                       | \$9,614,149                           | 6      |  |
| CONSTRUCTION MANAGEMENT               |   | \$18,613,185                            | 41%     | \$12,134,545               | 65%                      | \$30,110,823                          | 6      |  |
| Completed                             |   | \$5,928,804                             |         | \$5,954,412                | 100%                     | \$15,687,599                          |        |  |
| Active                                |   | \$12,684,381                            | 43%     | \$6,180,133                | 49%                      | \$14,423,223                          | 4      |  |
| CONSTRUCTION MATERIALS TEST           | ING   | \$7,226,826                             | 60%     | \$2,937,098                | 41%                      | \$6,165,596                           | 5      |  |
| Completed                             |   | \$219,036                               | 97%     | \$219,036                  | 100%                     | \$225,132                             |        |  |
| Active                                |   | \$7,007,790                             | 59%     | \$2,718,062                | 39%                      | \$5,940,464                           | 5      |  |
| COTAL                                 |   | \$1,499,307<br>\$167,004,272            | 24%     | \$286,187<br>\$150,421,655 | 19%<br>90%               | \$18,792,429<br>\$775,808,047         | 8      |  |
| FOTAL<br>LAND COST                    |   | \$167,004,272                           | 0%      | \$150,421,655              | 0%                       | \$61,052,798                          | 26     |  |
| MISCELLANEOUS                         |   | \$0                                     | 0%      | \$01,892                   | 0%                       | \$2,252,640                           | 20     |  |
| GRAND TOTAL                           |   | \$167,004,272                           | 24%*    | \$150,483,547              | 90%                      | \$839,113,485                         | 8      |  |
|                                       |   | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |         | M/WBE/HUB Invoi            |                          |                                       | 0,483, |  |
| Denotes participation                 | percentage excluding cost of pip  | e and owner                             |         | Grand Total Invoice        |                          |                                       | 9,113, |  |

furnished equipment.

## **PROJECT COMPONENTS**

| PIPELINE<br>SEGMENTS | CORE<br>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<br>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<br>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   |

