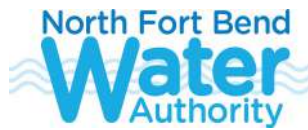




WATER PURIFICATION PLANT EXPANSION



NEWPP Expansion Project MONTHLY STATUS REPORT



February 2020

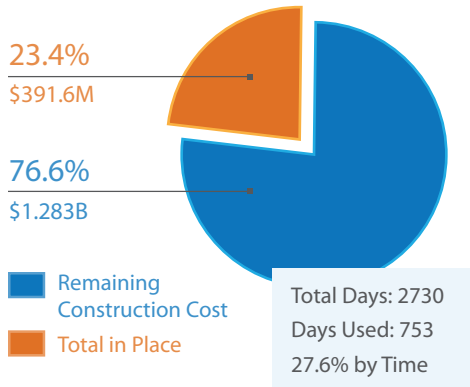
KEY PERFORMANCE INDICATORS (KPI)

Status through February 2020

KPI	Description	Target	Status	Trend (from last update)	Notes
Phase 1 Completion	Phase 1 (80 MGD) Substantial Completion date	Jan 25, 2023	●	▬	Phase 1 substantial completion as defined in Exhibit A of Amended and Restated Agreement.
Phase 2 Completion	Phase 2 (240 MGD) Substantial Completion date	June 27, 2025	●	▬	Phase 2 substantial completion as defined in Exhibit A of Amended and Restated Agreement.
D-B Financial Performance	D-B Authorized Amount vs. July 2019 Budget	\$1.765B	●	▬	Expenditure status based on base GMP and other amounts as defined in Exhibit F of Amended and Restated Agreement.
Safety	Number of reportable events	0	●	▬	1.72M hours to date. 4 OSHA recordable incidents. 0 lost time incidents.

- Actual Ahead of Target
- Actual Nearing Target
- Actual Behind Target
- ↑ Status Improved From Last Period
- ↓ Status Declined From Last Period
- ▬ Same as Last Briefing

CONSTRUCTION STATUS*



*Earned value based on current Design-Builder amount. Schedule based on duration from EWP 1 through Phase 2 Substantial Completion.

MWBE STATUS

SUBCONSULTANT PARTICIPATION - HWT*

M/WBE FIRMS – 14.9%

HWT – 85.1%

*As reported on COH OBO B2G contract audit summary.

SUBCONSULTANT PARTICIPATION - PATC*

M/WBE FIRMS – 26.3%

CAROLLO – 73.7%

*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through February 2020

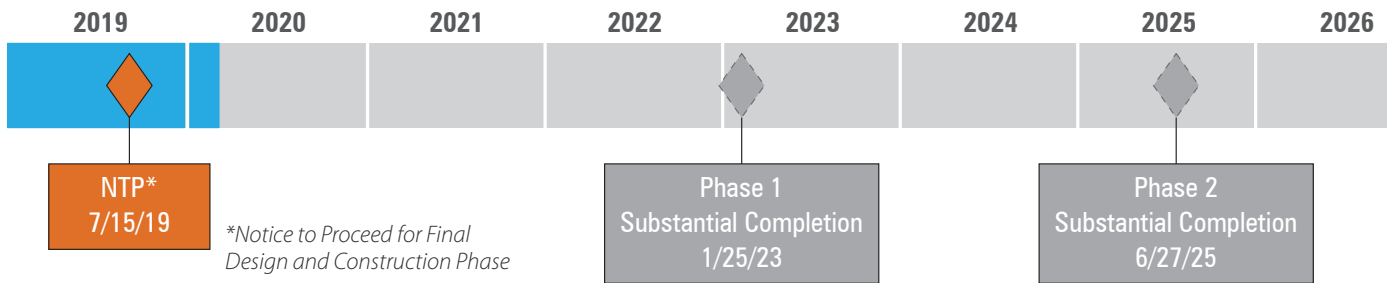
BUDGET SUMMARY

Status through invoice dates listed below.

	Budget ¹	Authorized Amount ²	Invoiced to Date ³	Invoice Date/ % Invoiced ³
Design-Builder (Houston Waterworks Team) ⁴	\$1,765,532,834	\$1,674,287,022	\$391,634,781	Jan 2020/23.4%
Project Advisor/Technical Consultant (Carollo Team) ⁵	\$95,759,349	\$89,520,497	\$33,619,385	Jan 2020/37.6%
Outside Legal (Hawkins Delafield and Wood)	\$2,131,590	\$1,931,590	\$1,591,995	Jul 2019/82.4%
City/Other ⁶	\$21,022,642	\$21,022,642	\$11,480,011	Dec 2018/54.6%
Management Reserve ⁷	\$88,243,764			
TOTAL⁸	\$1,972,690,179	\$1,786,761,751	\$438,326,172	

- Budget as established July 2019.
- Equals budget plus executed change orders/amendments less non-approved allowances less non-utilized contingency as of reporting date.
- Sum total of approved invoices and City recovery costs as of Monthly Report issuance. Percentage = Invoiced/Authorized Amount.
- Original budget equals initial contract amount + amendments 1-8, including allowances and contingency.
- Original budget equals initial contract value + amendments/appropriations 1-6, minus adjustment per Cash Call #1.
- Includes City Recovery, mitigation costs, and other miscellaneous items.
- Owner's contingency used for funding approved change orders and other expenditures within Authorized Amounts column.
- Does not include Houston \$75M reserve for 425 MGD rating work.

SCHEDULE STATUS



NOTEWORTHY ACCOMPLISHMENTS

- **Central Plant:** Ongoing structural concrete for slabs, walls and upper deck continues on schedule. Poured 60-inch suction piping and 84-inch BFV wall penetration block-outs at TPS. Cleaned TPS pump cans.
- **EWP4:** Ongoing final CLSM placement, manhole installation, and valve unit preassembly.
- **EWP6 North Plant:** Ongoing formwork, rebar placement and structural concrete for work various structures. Ongoing mass excavation for facilities 501/502 gravity thickeners.
- **EWP6 IPS:** Completed bridge pile installation and continued deck concrete work. Received first pump can.
- **EWP 6 Substation:** Ongoing installation of piers for building foundation facility 102. Completed installation of A-frames and bus duct, and jumper conductors to central breaker transformer.
- **LREQ:** Continued mass excavation and completed base slab pour around pump station. Completed limestone rock installation for facility 601 underdrain.
- **Yard Piping:** Ongoing installation, welding and backfill for 84" & 96" FW pipeline in Corridor 4, 66-inch in Corridor 1, and various small diameter Corridors 3 and 4.
- **South Plant:** Ongoing installation and encasement of 84, 90, and 102-inch piping at GST. Completed pump can foundation HSPS pump structure facility 401.

3-MONTH LOOK AHEAD

- Continue install of 84" & 96" FW pipeline in Corridor 4 to HSPS – March
- Continue install 108", 84" & 120" FW pipelines in Corridor 5 – March/April
- Initiate concrete on Gravity Sludge Thickener Complex 2, Facility 502 – March
- Initiate concrete on Ground Storage Tank 361 and 362 – March/April
- Initiate 84" CFE and 36" FTW East Filter Complex Building 282 – March
- Initiate pump can installation at High Service Pump Station, Building 401 – March
- Initiate pressure testing of twin 108-inch pipelines – March
- Begin water testing of West Filter Structure – April
- Start Placing Solids Dewatering mass foundations – April
- Settling Basin main tank wall construction commencing – March
- Install Intake Pump Station bridge structure – April/May
- Chemical Storage foundation work for Post Treatment – April
- Complete major raw water pipeline work from IPS to plant limit – May

QUOTABLE

“The construction effort is gaining some momentum, and virtually all the process areas are seeing construction activity as the size of the workforce ramps up. With this momentum comes the heightened need to maintain a high degree of focus by everyone on safety and quality.”
 – Roy Bumpass, PATC

GOOD NEIGHBOR UPDATE

- **Next Meeting Date:** Q2 2020
- **Website:** <https://greaterhoustonwater.com/>



Limestone Rock Placement for 601 Underdrain



Cleaning Pump Cans at TPS



Facility 502 Mass Excavation



84-inch pipe installation in Corridor 4



Pump Can #1 Delivery at IPS



Preparing Bridge Piles for Precast Bridge at IPS