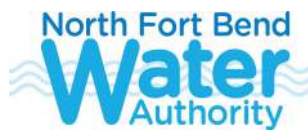




WATER PURIFICATION PLANT EXPANSION



NEWPP Expansion Project MONTHLY STATUS REPORT



April 2020

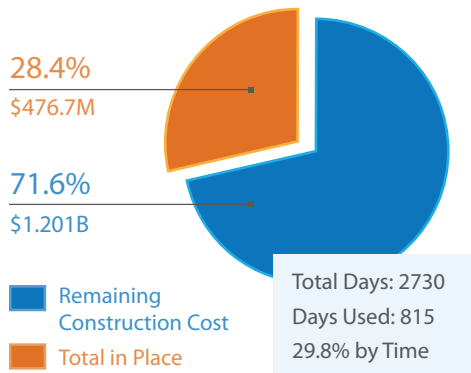
KEY PERFORMANCE INDICATORS (KPI)

Status through April 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	●	▬	2.135M 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 – 14.8%

HWT – 85.2%

*As reported on COH OBO B2G contract audit summary.

SUBCONSULTANT PARTICIPATION - PATC*

M/WBE FIRMS – 26.9%

CAROLLO – 73.1%

*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through April 2020

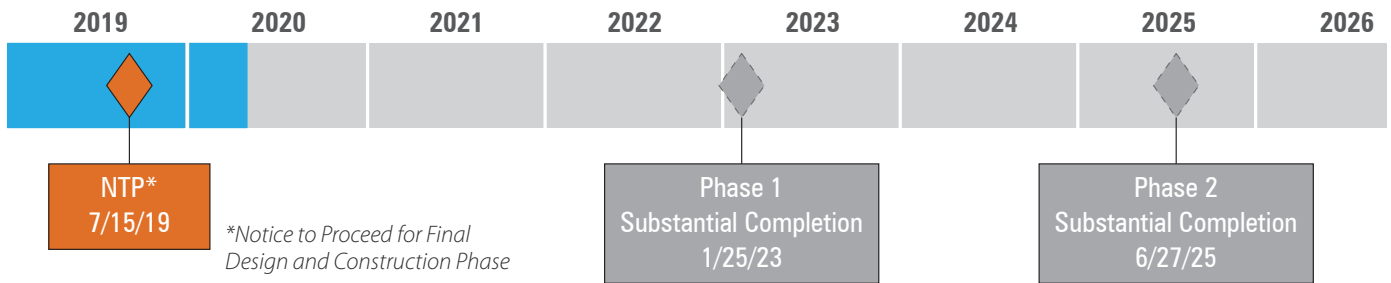
BUDGET SUMMARY

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	\$1,677,781,421	\$476,733,770	Apr 2020/24.6%
Project Advisor/Technical Consultant (Carollo Team) ⁵	\$95,759,349	\$89,520,497	\$36,357,397	Apr 2020/40.6%
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			Dec 2019/25.7%
TOTAL⁸	\$1,972,690,179	\$1,790,256,150	\$526,163,172	

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

SCHEDULE STATUS



NOTEWORTHY ACCOMPLISHMENTS

- **Central Plant:** ongoing structural concrete for facility 281 filter module 1 and 282 transfer PS 1; initiated prep work for facilities 292 transfer PS 2 and 311 and 312 post-chemical nos. 1&2; ongoing structural concrete work facility 291 filter module 2.
- **EWP4:** ongoing final grading for access road and completion of storm drain intertie sta. 142+50.
- **EWP6 North Plant:** ongoing formwork, rebar placement and structural concrete for work various structures; initiated leak testing for facility 502 ozone contactor 2.
- **EWP6 IPS:** ongoing deck concrete work and installation of precast beams for bridge.
- **Admin Building:** placed foundation base and formed/reinforced grade beams and footings.
- **LREQ:** ongoing structural concrete work facilities 601&602 basins and PS.
- **Yard Piping:** ongoing installation, welding and backfill for 84" & 96" FW pipeline in Corridor 4, 108-inch in Corridor 1, and various small diameter Corridors 3 and 4.
- **South Plant:** completed all pump can installation and interlocking slab at facility 401 HSPS.

3-MONTH LOOK AHEAD

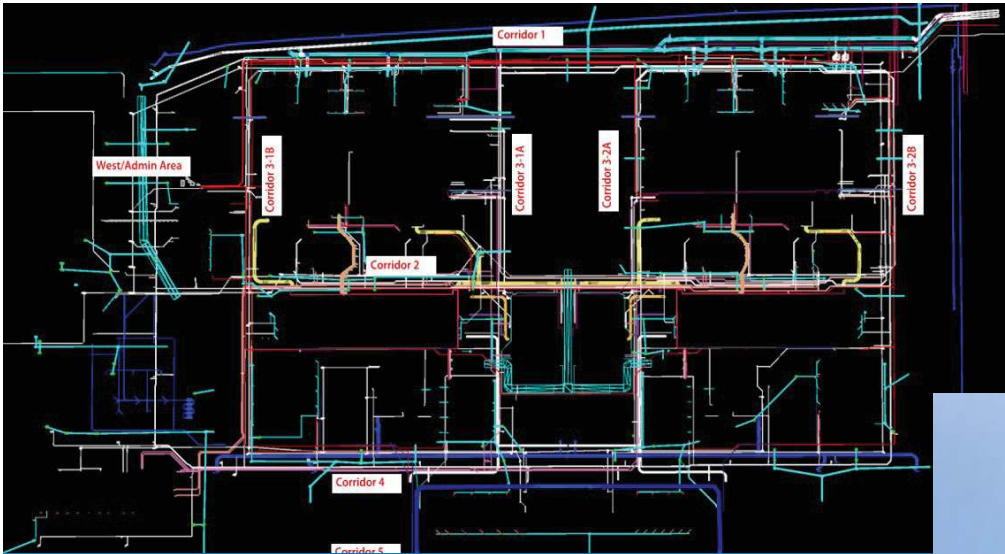
- Continue install of 84" & 96" FW pipeline in Corridor 4 between HSPS, GST 1 and 2, and connection to TPS – *June, July*
- Continue install 108", 84" & 120" FW pipelines in Corridor 5 – *May - July*
- Continue concrete on Gravity Sludge Thickener Complex 2, Facility 501,502, and Service Building – *May - October*
- Initiate concrete on Ground Storage Tank 361 and 362 – *May*
- Excavate and begin foundation work for TPS 292 – *April - June*
- Foundation work for Administration & Maintenance Building – *May - July*
- Install 108" Raw Water Line along north side of plant – *May, June*
- Construct LREQ 601 tank walls – *May - August*
- Concrete encasement of pump cans at High Service Pump Station, Building 401 – *May - July*
- Begin water testing of West Filter Structure – *May, June*
- Complete placement of Solids Dewatering mass foundations – *May*
- Continue Settling Basin 242 main tank wall construction – *May, June*
- Install Intake Pump Station Bridge Structure precast Deck Panels – *May, June*
- Continue duct bank work from substation 102 to new plant – *May - July*
- Begin substation 102 building construction – *June - September*

“Each day we all get to work with the best in the business. This is a fast paced Project that has seen the Project Team’s relationships only get better, while all working together towards a common goal of completing this Project to the best of our abilities.”

– Camden O’Toole, PE, PATC

GOOD NEIGHBOR UPDATE

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



Yard Piping Progress to Date



FW 84" BFV for GST-2



Central Plant – 2nd Phase



Facility 502 Basin #4 Mud Matt and Rebar Placement



Pump Installation at HSPS 401