



WATER PURIFICATION PLANT EXPANSION



NEWPP Expansion Project MONTHLY STATUS REPORT



July 2020

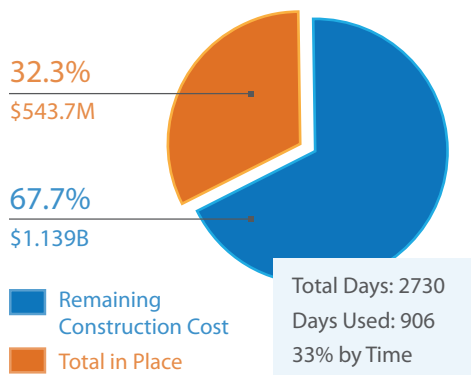
KEY PERFORMANCE INDICATORS (KPI)

Status through July 2020

KPI	Description	Target	Status	Trend (from last update)	Notes
Phase 1 Completion	Phase 1 (80 MGD) Substantial Completion date	Jan 25, 2023	●	↓	Current schedule shows available float is significantly reduced.
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	●	▬	2.535M hours to date. 5 OSHA recordable incidents. 0 lost time incidents. 18 positive COVID test results.

- 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 – 15%

HWT – 85%

*As reported on COH OBO B2G contract audit summary.

SUBCONSULTANT PARTICIPATION - PATC*

M/WBE FIRMS – 28.4%

CAROLLO – 71.6%

*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through July 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	\$1,683,544,689	\$543,759,991	Jun 2020/32.3%
Project Advisor/Technical Consultant (Carollo Team) ⁵	\$95,759,349	\$89,520,497	\$38,041,049	Jul 2020/42.5%
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	\$1,796,019,418	\$594,837,045	

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.

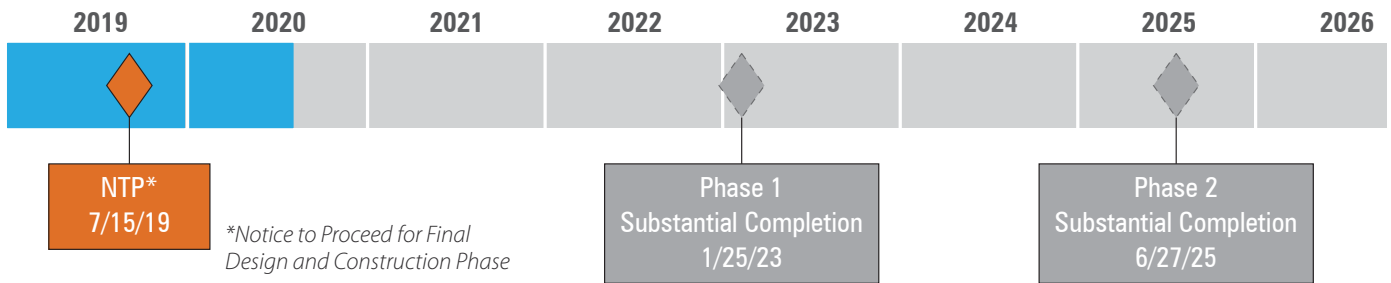
5. Original budget equals initial contract value + amendments/appropriations 1-6, minus adjustment per Cash Call #1.

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 and 282 filter modules 1 and 291 transfer PS 1; ongoing conduit installation for facilities and 311 and 312 post-chemical nos. 1&2.
- **North Plant:** Ongoing formwork, rebar placement and structural concrete for work all structures.
- **EWP6 IPS:** Installed first pump can and installed bridge piping on span 6.
- **Admin Building:** Ongoing installation of conduit.
- **LREQ:** Ongoing structural concrete work facilities 601&602 basins and PS.
- **Yard Piping:** Installation of 108 –inch knife gate valve and 78-inch and 66-inch BFV in Corridor 1, ongoing installation of 120-inch & 84-inch FW in Corridor 5, and various diameters Corridors 3 & 4.
- **South Plant:** Ongoing backfill at facility 401 HSPS; completed load transfer platform installation GST 362; ongoing installation of structural shell installation at facility 520 Dewatering Building.

3-MONTH LOOK AHEAD

- Continue install of 84" & 96" FW in Corridor 4 – September-November
- Continue install 108", 84" & 120" FW pipelines in Corridor 5 – Ongoing-October
- Continue concrete on Gravity Sludge Thickener Complex 2, Facility 502, and Service Building – Ongoing-December
- Place wall concrete and begin SOG placements at Gravity Sludge Thickener Complex 4, Facility 504, and Service Building –Ongoing-January
- Steel erection for Administration & Maintenance Building – September-October
- Complete installation of 108" Raw Water to existing plant termination – October
- Liquid Residual EQ 601 Facility Wall Placements – October
- Install 72" suction lines to High Service Pump Station Pump Cans, Building 401 – October
- Preparation for HSPS 402 pump can foundations-shoring, excavation, and foundation – October
- Erect steel roof structure at Main Switchgear Bldg 111 and Substation 102 – September
- Continue structural steel erection at Solids Dewatering 520 – Ongoing-October
- Place elevated structural slabs on Dewatering building – September-November
- Place slab on grade at GST 362 and begin wall panel casting – October
- Begin Filter 282 Gallery slab on grade placements – September
- Place TPS 292 slab on grade sections and prepare to set pump cans – September-December
- Complete installation of pump cans and underwater work at IPS – October

“As my time here on the NEWPP comes to a close, I’m taking the time to reflect on some of the many life-enhancing experiences that I have had the pleasure of receiving, including: Working alongside some of the best engineering and construction professionals in the industry, building lasting relationships with client and colleagues, sharpening my interpersonal and technical skills, all while building a Texas-sized water plant. I thank you all for being part of my journey and wish the best of luck to you all on yours.

– Camden J. O’Toole, PE, Carollo

GOOD NEIGHBOR UPDATE

- **Next Meeting Date:** Q3 2020
- **Website:** <https://greaterhoustonwater.com/>



Bridge Piping on Span 6



First Pump Can at IPS



108" Knife Gate Valve in Corridor 1



Backfilling HSPS 401



Structural Steel at Dewatering Building