

# NORTHEAST

WATER PURIFICATION PLANT EXPANSION



## NEWPP Expansion Project MONTHLY STATUS REPORT



October 2020

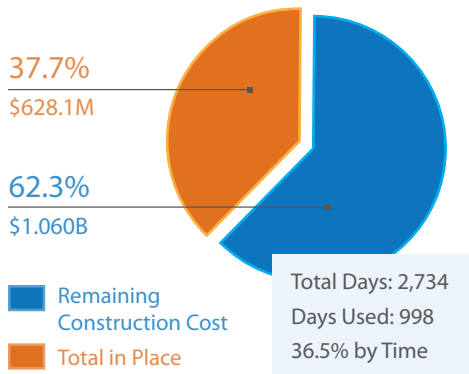
## KEY PERFORMANCE INDICATORS (KPI)

Status through October 2020

KPI	Description	Target	Status	Trend (from last update)	Notes
Phase 1 Completion	Phase 1 (80 MGD) Substantial Completion date	Jan 29, 2023	●	↓	Current schedule shows available float is significantly reduced; target date adjusted due to tropical storm Imelda.
Phase 2 Completion	Phase 2 (240 MGD) Substantial Completion date	July 1, 2025	●	↓	Current schedule shows available float is significantly reduced; target date adjusted due to tropical storm Imelda.
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	●	▬	3,026M hours to date. 5 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.

## M/WBE STATUS

SUBCONSULTANT PARTICIPATION - HWT\*

M/WBE FIRMS – 14%

HWT – 86%

\*As reported on COH OBO B2G contract audit summary.

SUBCONSULTANT PARTICIPATION - PATC\*

M/WBE FIRMS – 28.8%

CAROLLO – 71.2%

\*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through Oct 2020

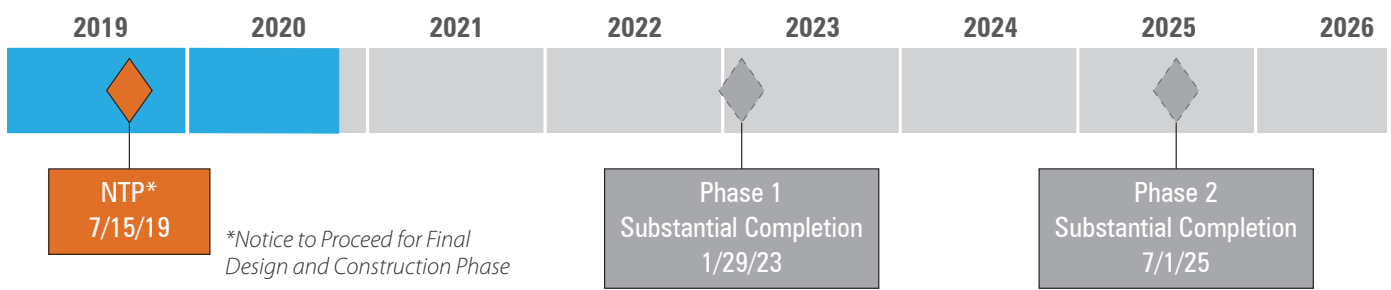
## BUDGET SUMMARY

Status through invoice dates listed below.

	Budget <sup>1</sup>	Authorized Amount <sup>2</sup>	Invoiced to Date <sup>3,9</sup>	Invoice Date/ % Invoiced <sup>3</sup>
Design-Builder (Houston Waterworks Team) <sup>4</sup>	\$1,765,532,834	\$1,688,408,774	\$628,051,052	Sep 2020/36.3%
Project Advisor/Technical Consultant (Carollo Team) <sup>5</sup>	\$95,759,349	\$89,520,497	\$40,683,054	Sep 2020/45.4%
Outside Legal (Hawkins Delafield and Wood)	\$2,131,590	\$1,931,590	\$1,591,995	Jul 2019/82.4%
City/Other <sup>6</sup>	\$21,022,642	\$21,022,642	\$11,480,011	Dec 2018/54.6%
Management Reserve <sup>7</sup>	\$88,243,764			
<b>TOTAL<sup>8</sup></b>	<b>\$1,972,690,179</b>	<b>\$1,800,883,503</b>	<b>\$681,806,112</b>	

- 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.
- D-B invoiced amount updated to correct error in September report.

## SCHEDULE STATUS



## NOTEWORTHY ACCOMPLISHMENTS

- **Central Plant:** Ongoing structural concrete for facility 281 and 282 filter modules 1 and 2; leak testing facility 291 transfer PS 1; main slab placement facility 292 transfer PS 2; backfilling and SH tank fabrication facility 311 post-chemical no. 1.
- **North Plant:** Ongoing formwork, rebar placement and structural concrete for work all structures.
- **IPS:** Ongoing installation of 96-inch BFW and platform piping; fish screens delivered to site.
- **Admin Building:** Completed installation of structural steel at Admin Building; completed roof installation at Maintenance Building.
- **LREQ:** Installation of elevated walkway and deck facility 601.
- **Yard Piping:** Ongoing installation of 84- and 120-inch FW Corridor 5, 96- and 72-inch OZW and BWW Corridor 3, and various diameters Corridor 3.
- **South Plant:** Ongoing installation 78-inch inlet pipes facility 401 HSPS; installation of pump cans facility 402 HSPS; completed installation of roofing and wall coating facility 111 MSB; 3rd floor deck pour, bridge crane installation, and roofing installation facility 520 dewatering building.
- **Substation and Site Electrical:** Ongoing installation DC battery system and bus duct at facility 102 substation; preliminary testing of 25kV switch gear; ongoing installation of duct bank and feeder cabling.

### 3-MONTH LOOK AHEAD

- Continue install 108", 84" & 120" FW pipelines in Corridor 5 - ongoing through February
- Continue concrete on Gravity Sludge Thickener Complex 2, Facility 502, and Service Building - ongoing through January
- Continue concrete wall and complete SOG placements at Gravity Sludge Thickener Complex 4, Facility 504, and Service Building - ongoing through March
- Precast erection for Administration & Maintenance Building - December
- Erect Breezeway steel Administration & Maintenance Building - January
- Finalize 66" RW plan - December
- Excavate Liquid Residual EQ 602 Facility and begin slab on grade construction - December through February
- Complete encasement of 72" suction lines to High Service Pump Station pump cans, Building 401 - December
- Concrete encase HSPS 402 pump cans - December through February
- Complete Substation 102 yard work and energize gear - December
- Precast erection at Solids Dewatering 520 - November through January
- Complete Solids Holding tank concrete construction - December
- Place slab on grade at GST 362 and begin wall panel casting - December through March
- Place TPS 292 slab on grade sections and encase pump cans - ongoing through January
- Erect steel chemical tanks at north plant Phase 1 - ongoing through February

“I am excited to be involved in this project and represent the interests and investment of North Fort Bend Water Authority. This is a generational project; the size and magnitude of which only comes along once in a person's career. I am so blessed to be part of it and to work with all those involved!”

- Ian Pietz  
BGE

### GOOD NEIGHBOR UPDATE

- **Next Meeting Date:** Q1 2021
- **Website:** <https://greaterhoustonwater.com/>



Central Plant – Phase 2



Dewatering Building 520



Main Switchgear Building 111



Administration and Maintenance Building