Capital Improvement Program Briefing

October 17, 2018
NHCRWA Overview

• Created by legislation (HB 2965) in June 1999 and confirmed by voters in January 2000.

• Service Area: ~ 335 square miles

• Population: ~ 710,000

• No taxing authority. Costs are paid for by fees.
Regional Water Supply Projects

- **Luce Bayou Interbasin Transfer Project** – Raw water supply transfer from Trinity River to Lake Houston

- **Northeast Water Purification Plant (NEWPP) Expansion** -- Treated water supply from Lake Houston

- Transmission Lines from NEWPP

- Internal Distribution Systems
Luce Bayou Project

- City of Houston, NHCRWA, WHCRWA, CHCRWA, NFBWA, and Coastal Water Authority have worked together to develop and finance the project.
- Contracts signed January 2009
- The facilities are required to be fully operational by June 2019
Luce Bayou Facts

- Transfer of Trinity River Water
- Capacity 500 MGD (Initially 240 MGD)
- 23.5 miles of canals
- 3 miles of dual 96-inch diameter pipelines
- RW Pump Station
- ~Cost $381 Million
NEWPP Expansion Project

- Phased expansion of 320 MGD at City’s Northeast Water Purification Plant
- Project jointly funded by the City of Houston, NHCRWA, WHCRWA, CHCRWA, and NFBWA
- Project costs estimated at $1.8B
- Sized to meet 2040 water demands
Northeast Transmission Line
Northeast Transmission Line

- Segment 1: 2,200 LF of 120-inch
- Segment 2: 61,800 LF of 108-inch water line (approx. 12 miles long to NHCRWA takeoff pt.)
- Estimated cost is $365M
- Project sponsored by the City, but jointly funded by NHCRWA and CHCRWA (Segment #1 of the line is also funded by WHCRWA and NFBWA)
NHCRWA Distribution System

- Approximately 180,000 LF of pipes
- Multi-phased approach: Permit year 2021 - 2025
- Size varies from 12-inch to 84-inch
- Estimated cost is $320M
Beginning of Permit Year 2021 - 2022
Beginning of Permit Year 2021 - 2022
Beginning of Permit Year 2022 - 2023
Beginning of Permit Year 2023 - 2024
Beginning of Permit Year 2025 - 2026
Questions?