



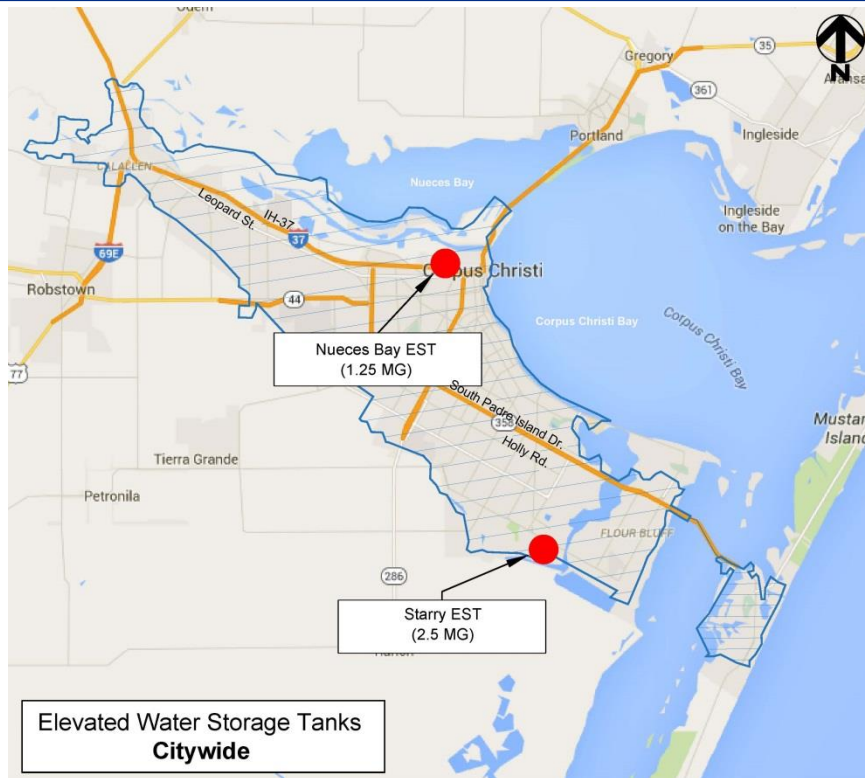
# **Elevated Water Storage Tanks - Citywide (Alternative Capacity Requirement Implementation)**



Council Presentation  
September 20, 2016

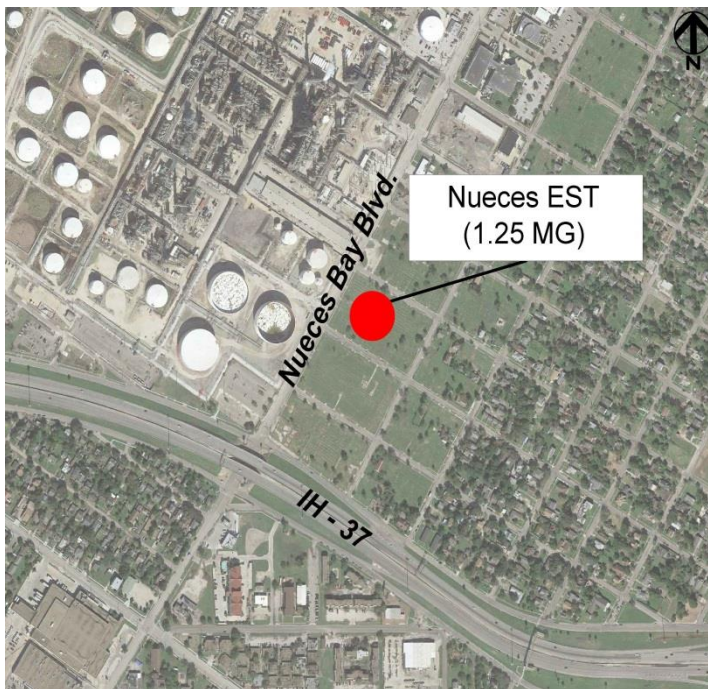


# Project Vicinity





# Project Map





# Alternative Capacity Requirement (ACR) Implementation Plan - TCEQ



- Texas Administrative Code (30 TAC) requirement : 100 gal/connection for water system;
- Currently 24 gal/connection for City;
- ACR Plan approved by TCEQ (2012 ) : 50 gal/connection; 4 phases of construction in 9 years.
  - Phase 1: Emergency power generators (**Under Design\***)
  - Phase 2: Installation of ESTs at Holly RD and Rand Morgan St. (**Construction**)
  - Phase 3: Installation of the fourth EST at Starry RD. (**This Project for Design**)
  - Phase 4: Installation of the third EST at Nueces Bay Blvd. (**This Project for Design**)

ACR Implementation Plan		12- 13	13- 14	14- 15	15- 16	16- 17	17- 18	18- 19	19- 20	20-21
Phase 1	Navigation and Statples Generators	Design	Construction							
Phase 2	Holly RD and Rand Morgan ESTs		Land Acquisition	Design	Construction					
Phase 3	Starry RD EST					Design	Construction			
Phase 4	Nueces Bay Blvd. EST						Land Acquisition	Design	Construction	

\* Note: Phase 1 was delayed, and TCEQ agreed to complete before Phase 2.



# Project Scope



This is the revised Phase 3 of ACR Implementation Plan for Elevated Storage Tank (EST) approved by TCEQ in 2012.

The work includes:

1. Installation of 2.5 MG EST at the Starry Road on City-owned property;
2. Installation of 1.25 MG EST at the Nueces Bay Blvd on Flint Hills property;
3. Demolition of existing four ESTs at Morgan Ave., Gollihar Rd , Alameda St. , and Flour Bluff.



# Project Scope



2016					2017					2018					2019					2020																	
J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
Design										Bid & Award		Construction																									

**Project Estimate: 1,480 Calendar Days = 50 Months**

Projected Schedule reflects City Council award in June 2016 with anticipated completion in August 2020.