

Levee Augmentation Project – Purpose and Funding

- Phase 1 – Develop 30% design to improve the levee around the core area of the AWTF to meet current FEMA flood standards and buffer sea level rise
 - Part of existing levee is 3-4 feet below current 100-year elevation 14.0 and could be subject to periodic flooding and storm waves



Levee Augmentation Project – Purpose and Funding

- Project funding: CAL-OES FEMA Hazard Mitigation Grant Program
- Flooding in 2010 – repairs were funded by FEMA



Levee Augmentation Preliminary Overview



Levee Augmentation Project – Scope of Augmentation

- Preliminary design elevation of 15' targeted to provide buffer for sea level rise.
- Alternatives being considered include raising the existing earthen levee, sheet pile and concrete walls.



Concrete wall and sheetpile protection at Liberty, Texas – FEMA funded coastal hurricane storm surge flood mitigation.

Levee Augmentation Project – Coastal Adaptation Strategy

- The Levee augmentation project is part of the City's overall adaptation strategy identified in the City's Local Coastal Program
- The SLR Risk Assessment and the preliminary levee improvement design will guide adaptation of the AWTF and timelines for measured retreat



Levee Project – Next Steps and Timeline

- SHN currently conducting geotechnical and design feasibility analysis at various sections of the facility
- Deliverables anticipated early 2025
- Final design and permitting to proceed following outcome of the AWTF Feasibility Study

