



AGENDA MEMORANDUM
City Council Meeting of October 17, 2023

DATE: October 12, 2023
TO: Peter Zaroni, City Manager
FROM: Drew Molly, P.E., Interim Chief Operations Officer
drewm@cctexas.com
361-826-3556

Briefing of Harbor Island Seawater Desalination Facility Integration with City of Corpus Christi Water Distribution System – Phase 1 Evaluation

OUTSIDE PRESENTER(S):

<u>Name</u>	<u>Title/Position</u>	<u>Agency Name</u>
1. Cara Tackett, P.E., LEED AP	Senior Vice President	Pape–Dawson Engineers

BACKGROUND & FINDINGS:

The Coastal Bend Region depends mostly on surface water sources for municipal and industrial water supply. Port of Corpus Christi Authority (POCCA) and The City of Corpus Christi (The City) seek a sustainable supply of water for the region that is not dependent upon surface water to bolster current and future water needs. In support of the ongoing collaboration between POCCA and the City, POCCA is embarking on an effort to assess options for and the feasibility of integrating water from a proposed Harbor Island seawater desalination facility with The City's water distribution system.

With the City's input, POCCA hired Pape-Dawson Engineers (PD) to study the identification of physical and institutional means of integrating water from POCCA's proposed desalination facility into The City's system. There are two (2) phases for the work related to this project. Phase 1 required PD to provide identification of alternative delivery and connection points. Phase 2 will study and evaluate capital cost and non-cost factors, for alternative(s), grants and financing opportunities, and implementation considerations for a selected route alternative.

This briefing provided by PD delivers the draft findings of Phase 1 to The City Council. Input from the City Council will be used to narrow alternative integration options for further evaluation in the Phase 2 study.

POCCA is receiving the same briefing during the Port Commission meeting on October 17, 2023.

LIST OF SUPPORTING DOCUMENTS:

PowerPoint – Harbor Island Seawater Desalination Integration Study