

City of Corpus Christi

Seawater Desalination Project

Siting and Permitting

Master Services Agreement



Council Presentation
September 25, 2018



Seawater Desalination - Siting & Permitting Project Overview

- Goals
 - Lowering Risks, Reducing Unknowns
 - Provide Drought Resistant Water Supply
- Major Tasks
 - Facilities Siting
 - Obtain Permits
 - Implement Communication/Outreach





Seawater Desalination - Siting & Permitting Facilities Siting

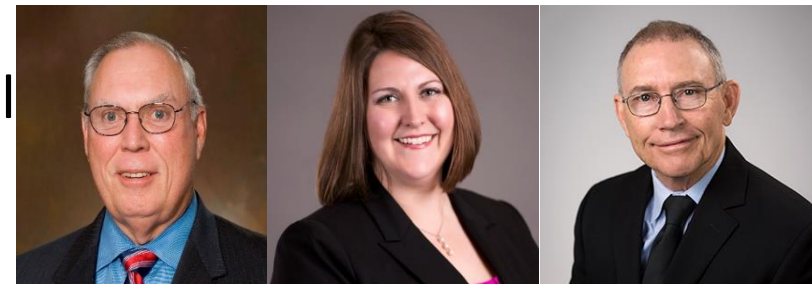
- ✓ Completed First Progress Meeting
- ✓ Met with key landowner on option for land evaluation/potential acquisition
- ❑ Confirm project capacities, water quality, concentrate management, and procurement approach (**draft completed**)
- ❑ Identify/screen potential sites
- ❑ Select & Evaluate up to five candidate sites
- ❑ Recommend two preferred sites





Seawater Desalination Siting & Permitting Obtain Project Permits

- ✓ Briefing meetings completed:
 - ✓ Texas General Land Office
 - ✓ Texas Commission on Environmental Quality
 - ✓ Texas Parks & Wildlife Dept.
- ✓ Ongoing coordination w/Texas Water Development Board
- ❑ Submit Permit Applications & Coordinate Approvals
 - Texas Pollutant Discharge Elimination System
 - Water Rights
 - Marl, Sand, Gravel Shell/Mudshell
 - Public Water System Registration
 - New Source Water Approval





Seawater Desalination - Siting & Permitting Communication & Outreach

- ✓ Outreach underway based on initial plan
- ✓ Issues definition and message development
- ✓ Review CA & FL plants outreach programs
- ✓ Presentation at Texas Desal Conference
- ✓ Ongoing coordination with Port Industries
- ✓ Internal protocols in place
- ❑ Project page on City website
- ❑ Detailed outreach program development
- ❑ Bi-weekly progress updates





Seawater Desalination Siting & Permitting Project Schedule

Major Events/Milestones	2018				2019				2020			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Notice to Proceed												
Confirm Project Definitions												
Site Selection												
Screening Potential Sites												
Evaluate Candidate Sites												
Identify Preferred Sites												
Permitting												
Source Water Characterization												
TPDES Applications												
Joint Evaluation Meeting												
Marl, Sand, Gravel Shell or Mudshell Permits												
Texas Land Application Permit												
Conceptual Design of Plant Intake/Outfall Facilities												
Water Rights												
New Source Water Approval												



Seawater Desalination -Siting & Permitting

Council Update 1 - Key Take-Aways

- Goals
 - Lowering Risks, Reducing Unknowns;
 - Provide Drought Resistant Water Supply
 - Significant Accomplishments
 - Siting and Permitting Phase Underway
 - Team of dedicated specialists
 - Significant progress over last six weeks
 - Active outreach to key stakeholders and interests
 - Regular updates will occur
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