



**AGENDA MEMORANDUM**  
City Council Meeting of August 27, 2019

**DATE:** August 16, 2019  
**TO:** Peter Zaroni, City Manager  
**FROM:** Dan Grimsbo, Executive Director of Water Utilities  
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Water Supply Trigger Points Factors and Recommendations
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**STAFF PRESENTER(S):**

<b><u>Name</u></b>	<b><u>Title/Position</u></b>	<b><u>Department</u></b>
1. Mark Van Vleck	Assistant City Manager	
2. Dan Grimsbo	Executive Director of Water Utilities	Water Utilities
3. Steve Ramos	Water Resource Manager	Water Utilities

**BACKGROUND:**

This presentation will discuss the ongoing effect, factors and recommendations regarding a future water supply and trigger points needed to meet water demands.

The City Council held a retreat meeting on 28-29 January 2019 to discuss the City Council's Vision Elements. For the defined second vision element, *Infrastructure and Public Services Rated Sound, Reliable, Fiscally Responsible*, the City Council established a Priority A, which states, "Create an uninterrupted water supply; complete a plan for criteria to move forward on a supply after studies are completed".

The City Staff has conducted evaluations, requests for information, and on-going studies for multiple water supply sources. The following are brief descriptions on the status for each water supply source:

- Water Reuse Project
  - Staff is currently working on the creation of a Water Reuse Plan that will establish a process to identify feasible reuse ideas.
- Aquifer Storage and Recovery Project
  - Corpus Christi Aquifer Storage and Recovery feasibility project is currently being completed and phase two should begin soon.
- Groundwater Project
  - Staff is in the beginning stages of evaluating the potential of a groundwater supply project.
- Seawater Desalination Project
  - Siting and Permitting Phase
  - Seawater Desalination is the number one priority
  - Infinite supply of water available.

To establish a better understanding about when a new water supply should be added to the current water supply system, the City Council directed staff in March 2019 to establish a trigger point (timeframe to start construction) for a new water supply.

City Staff organized a small group of customers that included San Patricio Municipal Water District, Flint Hills, OxyChem, Port of Corpus Christi, CC Regional Economic Development Corporation, Executive Director of Port Industries of Corpus Christ, AEP, and City Staff. This group worked to establish a trigger point concept using raw water supply available, regional demand on the water supply, and financial impacts.

**LIST OF SUPPORTING DOCUMENTS:**

None