



AGENDA MEMORANDUM

First Reading Ordinance for City Council Meeting of September 29, 2020
Second Reading Ordinance for City Council Meeting of October 13, 2020

DATE: September 16, 2020
TO: Pater Zanoni, City Manager
FROM: Kevin Norton, Director of Water Utilities
KevinN@cctexas.com
(361) 826-1874

Amendment to Chapter 55 Code of Ordinances, Article XII,
Water Conservation Plan

CAPTION:

Ordinance to adopt the City of Corpus Christi Water Conservation Plan revised 2020 edition and revising City Code of Ordinances Section 55-150 (a) regarding adoption of revised plan with the addition of an explanation of the Model Industrial Water Conservation Plan and other adjustments updating information.

SUMMARY:

The purpose of this item is to adopt the City of Corpus Christi Water Conservation Plan revised 2020 edition and to provide public comment. The revised 2020 edition includes editorial changes, 2019 data updates, and a model industrial water conservation plan that can be used as a guideline tool by any industry that is required to submit a water conservation plan to the Texas Commission on Environmental Quality.

BACKGROUND AND FINDINGS:

The Water Conservation Plan (WCP) is a guidebook and reference manual for the City of Corpus Christi Water Utilities Department and its partners and customers. The City of Corpus Christi Water Utilities has been in operations for over 100 years and serves approximately 500,000 residents and customers in the Coastal Bend Region.

The City's mission is to effectively manage the City's water supply, production, and distribution system through the operation and maintenance of the water supply system to meet water supply needs, to provide safe drinking water, to review design and construction of water facilities that will ensure water system quantity and reliability to meet projected growth, and to identify and meet consumer needs and expectations.

Water Utilities has a well-established conservation program. The City was the first in Texas to develop a Drought Contingency Plan in 1986, which served as a guide for state officials. Since 1988 there has been a conservation team of professionals developing and implementing outreach programs to help reduce water waste and improve efficiency. Conservation outreach includes

everything from school education to the Xeriscape Garden.

The purpose of the WCP is to ensure long-term water security and efficiency for the residents and businesses served by the City of Corpus Christi. Long term planning and management is critical so that supplies of water will always meet or exceed the demands of the Coastal Bend customers. With the addition of the model industrial water conservation plan, the WCP can be used by industries who are required to submit individual water conservation plans to the Texas Commission on Environmental Quality to document and highlight best management practices that could be implemented in their organizations.

As a water supplier, the City of Corpus Christi is required to have a plan that adheres to Title 30, of the Texas Administrative Code (TAC) Chapter 288 (30 TAC § 288) and updated every five years or if needed. This WCP contains all of the provisions required in 30 TAC § 288, including conservation plans for municipal users, wholesale providers, and a model Industrial water conservation plan.

The WCP revised 2020 edition include the following changes and other editorial changes:

- Chapter 1
 - Section 1.4- Added an explanation of the Model Industrial Water Conservation Plan.
- Chapter 2
 - Section 2.2 – Modified explanation to most up to date information on Aquifer Storage and Recovery (ASR) and desalination projects and corrected the link to Region N webpage
 - Section 2.4 – Updated with 2019 treated water information
 - Section 2.5 – Updated the miles of pipe to most current information
- Chapter 3
 - Section 3.1 – Updated all populations to most current 2020 population
 - Section 3.2 – Updated water diversion amounts with 2019 amounts
 - Section 3.4 – Updated treated water demands with 2019 demands
 - Section 3.5 – Updated Finished Water Production graph with 2019 information
 - Section 3.6 - Updated percentage for industrial city water use
- Chapter 4
 - Section 4.2 – updated all tables to most current 2019 information (i.e. gallons per capita day, water loss, targets and goals)
- Chapter 5
 - Section 5.6.1 - Changed to most current 2019 information
 - Section 5.6.8 - Changed titles of water conservation staff members
 - Section 5.7.1 - Removed Major Rivers program from the list
 - Section 5.11-Added date and information on Water Conservation Plan implementation
- Chapter 6
 - Section 6.1 – Changes to wording
 - Section 6.2 – Changed goals of wholesale customer consumptions to most current 2019 information
 - Section 6.5 – Changed contractual requirements to most current 2020 information
- Appendix A
 - Changed all tables and information to most current 2019 information
- Appendix F
 - Added Appendix F

In addition the following sections of the City Code of Ordinance, Chapter 55, Article XII Water Resource Management, Section 55-150 (a) will be revised to replace the Water Conservation Plan approved on May 28, 2013 with the Water Conservation Plan Revised 2020 edition as follows:

Sec. 55-150. - Scope, purpose, authorization, and definitions.

- (a) *Scope.* There is hereby established a City of Corpus Christi Water Conservation Plan and Drought Contingency Plan. The City of Corpus Christi Water Conservation Plan ~~approved on May 28, 2013 Revised 2020 edition,~~ and the Drought Contingency Plan Revised 2018 edition, approved January 30, 2018, as amended by ordinance, a true copy of each which is on file in the office of the city secretary, ~~is have been~~ adopted, and shall be followed in matters concerning water conservation, drought management, and water supply enhancement programs.

ALTERNATIVES:

NA

FINANCIAL IMPACT:

NA

RECOMMENDATION:

Staff recommends approval of the City of Corpus Christi Water Conservation Plan revised 2020 edition and Ordinance as presented.

LIST OF SUPPORTING DOCUMENTS:

Revised City Code of Ordinance, Chapter 55, Article XII Water Resource Management
Corpus Christi Water Conservation Plan 2020 Edition