



Agenda Item

City Council

Item #: 10.1.

10/13/2021

File #: 21-0477

TO: Honorable Mayor and Members of the City Council

THRU: Bonnie Hagan, Acting City Manager

FROM: Christopher Cash, Public Works Director

1. SUBJECT

Public Hearing to consider adopting the City of Orange 2020 Urban Water Management Plan (UWMP). Resolution No. 11357 and Ordinance No. 16-21.

2. SUMMARY

The City's Urban Water Management Plan (UWMP) was initially adopted in 1985 and must be updated every five years to satisfy the UWMP Act of 1983 and the California Water Code requirements (Sections 10610 - 10656). The comprehensive UWMP assesses the City's current and future water demands, availability and reliability of its water supplies, various water demand management measures to facilitate customer water use efficiency, water supply contingency plan, and future water supply programs. In addition to that, the 2020 UWMP also presents a new 2020 Water Shortage Contingency Plan (WSCP) designed to prepare for and respond to water shortages.

3. RECOMMENDED ACTION

1. Adopt Resolution No. 11357. A Resolution of the City Council of the City of Orange adopting the City of Orange 2020 Urban Water Management Plan and 2020 Water Shortage Contingency Plan.
2. Introduce and conduct First Reading of Ordinance No. 16-21. An Ordinance of the City Council of the City of Orange deleting Chapter 7.02 of the Orange Municipal Code (the Water Conservation and Water Supply Shortage Program) and adopting new Chapter 7.02 (the Water Shortage Contingency Response Ordinance).

4. FISCAL IMPACT

None.

5. STRATEGIC PLAN GOALS

Goal 1: Provide for a safe community

b: Provide and maintain infrastructure necessary to ensure the safety of the public.

Goal 4: Provide outstanding public service

b: Provide facilities and services to meet customer expectations.

6. DISCUSSION AND BACKGROUND

Water Code Sections 10610 through 10656 and the UWMP Act require every urban water supplier providing drinking water to more than 3,000 customers or supplying more than 3,000 acre-feet (AF)

of water annually to prepare, adopt, and file an Urban Water Management Plan (UWMP) with the California Department of Water Resources (DWR) every five years.

This UWMP provides the DWR with a detailed summary of present and future water resources and demands within the City of Orange (City) service area and assesses the City's water resource needs. Specifically, the UWMP provides water supply planning for a 25-year planning period in five-year increments and identifies water supplies needed to meet existing and future demands. The demand analysis must identify supply reliability under three hydrologic conditions: a normal year, a single-dry year, and multiple-dry years.

The 2020 UWMP provides a comprehensive discussion of the City's Water Service Area and Facilities, Water Sources and Supplies, Water Use by Customer Type, Demand Management Measures (DMM), Water Supply Reliability, Planned Water Supply Projects and Programs, and Recycled Water Use. It also adds the 2020 Water Shortage Contingency Plan (WSCP) to help the City effectively respond to potential water shortages. In addition, it updates various 2015 UWMP items related to water resource needs, water use efficiency, assessment of water reliability, and strategies to mitigate water shortage conditions. The 2020 UWMP contains all elements needed to comply with new requirements of the Act, as amended since 2015. The updated WSCP requires the City to replace the current four water conservation stages with the new six standard water shortage levels and presents the framework for determining these levels, enforcement provisions, and other water conservation details specific to the City. To comply with this requirement, Ordinance No. 16-21 is introduced to delete the existing Chapter 7.02 and adopt new Chapter 7.02 in the Orange Municipal Codes.

Since the original Act's passage in 1983, several amendments have been added. The most recent changes affecting the 2015 UWMP include Senate Bill 7 or SBx7-7 and SB 1087. SBx7-7, the Water Conservation Act of 2009, is part of the Delta Action Plan that stemmed from the Governor's goal to achieve a 20 percent statewide reduction in urban per capita water use by 2020 (20 by 2020). Reduction in water use is an important part of this plan that aims to sustainably manage the Sacramento-San Joaquin River Delta (Delta) and reduce conflicts between environmental conservation and water supply. As detailed in Section 3.2.2, SBx7-7 requires each urban retail water supplier to develop urban water use targets to achieve the 20 percent by 2020 goal and the interim ten percent goal by 2015. Each urban retail water supplier must include in its 2020 UWMPs the following information from its target-setting process:

- Baseline daily per capita water use
- 2020 urban water use target
- 2020 interim water use target compliance
- Compliance method being used along with calculation method and support data
- An implementation plan to meet the targets

The other recent amendment, made to the UWMP on September 19, 2014, is set forth by SB 1420, Distribution System Water Losses. SB 1420 requires water purveyors to quantify distribution system losses for the most recent 12-month period available. The water loss quantification is based on the water system balance methodology developed by the American Water Works Association (AWWA).

7. ATTACHMENTS

- Resolution No. 11357
- Ordinance No. 16-21
- City of Orange 2020 UWMP (available for review in the City Clerk's Office)
- City of Orange 2020 WSCP (available for review in the City Clerk's Office)