



Folsom City Council Staff Report

MEETING DATE:	6/8/2021
AGENDA SECTION:	Public Hearing
SUBJECT:	Resolution No. 10643 – A Resolution Adopting the 2020 Urban Water Management Plan and Water Shortage Contingency Plan and Authorizing the City Manager to Submit the Plans to the California Department of Water Resources and to the California State Library
FROM:	Environmental and Water Resources Department

RECOMMENDATION / CITY COUNCIL ACTION

The Environmental and Water Resources Department recommends the City Council pass and adopt Resolution No. 10643 – A Resolution Adopting the 2020 Urban Water Management Plan and Water Shortage Contingency Plan and Authorizing the City Manager to Submit the Plans to the California Department of Water Resources and to the California State Library.

BACKGROUND / ISSUE

The California Water Code (CWC) Section 10620(a) requires an urban water supplier to prepare and adopt an Urban Water Management Plan (UWMP) consistent with CWC Section 10640. All urban water suppliers, either publicly or privately owned, serving municipal water to 3,000 customers or supplying more than 3,000 acre-feet annually, are required to prepare an UWMP. The UWMP is required for an urban water supplier to be eligible for California Department of Water Resources (DWR) state grants, loans, and drought assistance. The UWMP must be adopted by City Council and submitted to DWR and the California State Library by July 1, 2021. Included in the adoption of the 2020 UWMP shall be a Water Shortage Contingency Plan (WSCP) consistent with the requirements of Senate Bill 606.

The WSCP is a detailed plan for how the City intends to respond to foreseeable and unforeseeable water shortages. A water shortage occurs when the supply is reduced to a level that cannot support the normal demand at any given time or if the state mandates a cutback

regardless of supplies. The intent of this document is to provide guidance to the City's governing body, its staff, and the public by identifying anticipated water shortages and response actions to allow for efficient management of any water shortage with predictability and accountability.

In addition to complying with the CWC, the City must also comply with legislative changes resulting from the November 2009 passage of Senate Bill X7-7. SB X7-7 requires reduction of statewide average per capita daily water consumption by 20% by December 31, 2020 and requires "all water suppliers to increase the efficiency of this essential resource" (CWC Section 10608.4(a)). Based on SB X7-7, the City of Folsom must assess present and proposed future measures, programs, and policies to achieve water use reduction of 20% per capita.

The City previously adopted its 2015 UWMP on June 8, 2016. With the completion of the required public hearing and adoption of the 2020 UWMP by the City Council, the City would remain in compliance with state law. The adoption of the 2020 UWMP is a regulatory requirement by the California Department of Water Resources (DWR) and is independent of the City's Water Supply Management efforts. The 2020 UWMP will include that the City is meeting its 2020 Target gallons per capita per day (GPCD) target as of December 31, 2020.

POLICY / RULE

California Water Code, Section 10620(a):

"Every urban water supplier shall prepare and adopt an urban water management plan in the manner set forth in Article 3 (commencing with Section 10640)."

California Water Code, Section 10621(a):

"Each urban water supplier shall update its plan at least once every five years on or before July 1, in years ending in six and one, incorporating updated and new information from the five years preceding each update."

California Water Code, Section 10632(a):

"Every urban water supplier shall prepare and adopt a water shortage contingency plan as part of its urban water management plan."

California Water Code, Section 10642:

"Prior to the adoption of either, the urban supplier shall make both the urban water management plan and water shortage contingency plan available for public inspection and shall hold a public hearing or hearings thereon. Prior to any of these hearings, notice of the time and place of the hearing shall be published within the jurisdiction of the publicly owned water supplier pursuant to Section 6066 of the Government Code."

The City published a notice of public hearing in the Folsom Telegraph on May 20 and May 27, 2021.

ANALYSIS

Consistent with the requirements of CWC § 10631, the City's 2020 UWMP contains:

1. A description of the City's water service area
2. An assessment of current and projected population
3. An assessment of current and projected supplies
4. An evaluation of the reliability of these supplies given a range of hydrologic conditions considering up to a five-year drought period
5. An assessment of water demands by customer type
6. A description of demand management measures implemented or planned to be implemented by the water supplier
7. An explanation of water management strategies designed to integrate supply and demand conditions
8. Discussion on climate change and any potential impacts to the water supplier
9. A Water Shortage Contingency Plan

In addition to the CWC, the City's 2020 UWMP addresses the Water Conservation Bill of 2009 (SBX7-7) to increase water efficiency and reduce the statewide average per capita water consumption by 20 percent by December 31, 2020. The UWMP identifies the required baseline per capita urban water use, the interim (year 2015) per capita urban water use, and the target (year 2020) per capita urban water use in gallons per capita per day (GPCD).

As detailed in the City's 2010 UWMP, population, residential connections, and water production data were used to generate a gallon per capita day (GPCD) baseline. From this GPCD baseline, the City assessed and determined a 2020 Urban Water Use Target and an Interim 2015 Urban Water Use Target. These values were determined to be 343 and 386, respectively, as presented in the 2010 UWMP.

According to the 2015 DWR Guidebook, a retail water purveyor who did not use actual 2010 Census data must re-calculate its baseline and target GPCD. For the City's 2010 UWMP, the 2010 Census data was not fully available. Thus, the City recalculated its baseline GPCD to re-establish its target and interim-target values with the available 2010 Census data. The comparative results are shown below. As expected, the use of 2010 Census data and the new 2015 DWR population tool did result in changes to the estimated baseline values, and the resulting 2015 Interim GPCD Target and 2020 GPCD Target.

Baseline Period	Baseline Values		2015 Target		2020 Target	
	Original	Revised	Original	Revised	Original	Revised
1996-2005	429	440	386	396	343	352

Extending the population analysis that was revised during the reassessment of the baseline GPCD, the City calculated its 2015 Compliance Value and 2020 Target Value. As demonstrated, the City's 2015 Compliance Value is 246 GPCD, which is significantly below the 2015 Interim GPCD value of 396. In 2020, the City's Compliance Value is 256 GPCD,

also lower than the 2020 Target of 352 GPCD. The table below shows the GPCD numbers for the City from 2010 through 2020.

Year	Water Service Area Population	Gross Water Use (AF)	GPCD
2010	61,187	26,425	386
2011	60,555	26,406	389
2012	61,326	25,510	371
2013	6,2371	26,094	373
2014	63,583	20,515	288
2015	64,966	17,871	246
2016	66,223	19,608	264
2017	67,323	20,404	270
2018	67,498	19,351	256
2019	68,083	18,817	247
2020	69,517	19,898	256

Another key element of the UWMP is to document the City’s water supply planning strategies and water shortage contingency planning for the City’s existing water service area. This includes a comparison of the total water supply sources available to the City with the total projected water use over the next 25 years, in five-year increments, for a normal water year, a single-dry water year, and multiple dry water years lasting up to five years. As shown in the 2020 UWMP the City will have adequate supplies to meet demands through build-out conditions.

A copy of the 2020 UWMP and WSCP outline are attached. Draft copies of the UWMP and WSCP were made available for review by the public on May 7, 2021 and can be viewed in person by contacting the Environmental and Water Resources Department or City Clerk’s office or viewed online by going to the City’s website.

FINANCIAL IMPACT

There is no financial impact above the cost to prepare the UWMP.

ENVIRONMENTAL REVIEW

In accordance with the Guidelines for California Environmental Quality Act, Article 19, Section 15306, adoption of the Urban Water Management Plan is Categorical Exempt since it consists of basic data collection, research, and resource evaluation activities that do not result in a serious or major disturbance to an environmental resource.

ATTACHMENTS

1. Resolution No. 10643 – A Resolution Adopting the 2020 Urban Water Management Plan and Water Shortage Contingency Plan and Authorizing the City Manager to

Submit the Plans to the California Department of Water Resources and to the California State Library

2. Outline of the 2020 Urban Water Management Plan
3. Outline of the Water Shortage Contingency Plan

Submitted,

Marcus Yasutake, Director
ENVIRONMENTAL AND WATER RESOURCES DEPARTMENT

ATTACHMENT 1

RESOLUTION NO. 10643

A RESOLUTION ADOPTING THE 2020 URBAN WATER MANAGEMENT PLAN AND WATER SHORTAGE CONTINGENCY PLAN AND AUTHORIZING THE CITY MANAGER TO SUBMIT THE PLANS TO THE CALIFORNIA DEPARTMENT OF WATER RESOURCES AND TO THE CALIFORNIA STATE LIBRARY

WHEREAS, the Urban Water Management Planning Act requires every urban water supplier providing water for municipal purposes to more than 3,000 customers to adopt and submit a Urban Water Management Plan to the California Department of Water Resources and the California State Library every five years; and

WHEREAS, the City of Folsom wishes to comply with California Water Code (CWC) Section 10610 regarding the preparation of an Urban Water Management Plan; and

WHEREAS, the CWC Section 10620(a) requires an urban water supplier to adopt an Urban Water Management Plan consistent with CWC 10640; and

WHEREAS, the CWC Section 10320(a) requires an urban water supplier to adopt a Water Shortage Contingency Plan consistent with CWC 10640; and

WHEREAS, the City of Folsom is in compliance with Senate Bill X7-7, also known as the Water Conservation Bill of 2009, by reducing per capita water use by 20% by 2020; and

WHEREAS, an adopted Urban Water Management Plan is required for an urban water supplier to be eligible for grants administered by the Department of Water Resources; and

WHEREAS, the City of Folsom has prepared the required plans, published a Notice of Public Hearing pursuant to California Government Code 6066, published May 20 and 27, 2021, and held the appropriate Public Hearing.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Folsom that the 2020 Urban Water Management Plan and Water Shortage Contingency Plan are hereby adopted, subject to minor and typographical edits as deemed necessary by the City Manager.

BE IT FURTHER RESOLVED that the City Manager is hereby authorized to Submit the Plans to the California Department of Water Resources and the California State Library.

PASSED AND ADOPTED this 8th day of June 2021, by the following roll-call vote:

AYES: Councilmember(s):
NOES: Councilmember(s):
ABSENT: Councilmember(s):
ABSTAIN: Councilmember(s):

Michael D. Kozlowski, MAYOR

ATTEST:

Christa Freemantle, CITY CLERK

ATTACHMENT 2

Urban Water Management Plan Organization

- Chapter 1 – Introduction
- Chapter 2 – Plan Preparation
- Chapter 3 – System Description
- Chapter 4 – Water Use Characterization
- Chapter 5 – SB x7-7 Baseline and Targets
- Chapter 6 – Water Supply Characterization
- Chapter 7 – Water Service Reliability and Drought Risk Assessment
- Chapter 8 – Water Shortage Contingency Plan
- Chapter 9 – Demand Management Measures
- Chapter 10 – Plan Adoption, Submittal, and Implementation

ATTACHMENT 3

Water Shortage Contingency Plan Organization

- Chapter 1 – Water Supply Reliability Analysis
- Chapter 2 – Annual Water Supply and Demand Assessment Procedures
- Chapter 3 – Six Shortage Stages
- Chapter 4- Shortage Response Actions
- Chapter 5 – Communication Protocols
- Chapter 6 – Compliance and Enforcement
- Chapter 7 – Legal Authority
- Chapter 8 – Financial Consequences of WSCP Implementation
- Chapter 9 – Monitoring and Reporting
- Chapter 10 – WSCP Refinement Procedures
- Chapter 11 – Special Water Features Distinctions
- Chapter 12 – Plan Adoption, Submittal, and Availability