RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES **DATE: JUNE 14, 2021**

SUBJECT: PUBLIC HEARING - 2020 URBAN WATER MANAGEMENT PLAN

ISSUE:

Consider conducting a public hearing for review of the 2020 Urban Water Management Plan.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Conduct a Public Hearing for review of the 2020 Urban Water Management Plan; and
2. Recommend that the City Council adopt the 2020 Urban Water Management Plan.

BACKGROUND:

The City of Riverside Public Utilities Department (RPU) prepared its 2020 Urban Water Management Plan (UWMP) in accordance with the Urban Water Management Planning Act, sections 10610 through 10656 of the California Water Code. Water suppliers in California are required to update their UWMP every five years, in years ending in 5 or 0. RPU will complete its 2020 UWMP by the July 1 deadline according to the schedule established by the California Department of Water Resources (DWR). The Urban Water Management Planning Act (UWMP Act) and the California Water Code (CWC) require the preparation of a UWMP by water suppliers who have more than 3,000 service connections or serve more than 3,000 acre-feet per year (AFY) and, if a retail Supplier's wholesale use does exceed 3,000 AFY, the Supplier is also considered a wholesale Supplier, and it is required to complete the Submittal Tables for a wholesale Supplier (New for RPU).

This UWMP summarizes RPU's projected retail and wholesale water demands and characterizes the source waters available to meet those demands for the next 25 years. The plan also describes the reliability of RPU's water supplies. It prepares RPU's five-year Drought Risk Assessment (DRA) and an update to the Water Shortage Contingency Plan (WSCP) analyses during a catastrophic event or drought conditions. Some of the new DWR requirements compared to the 2015 update are delineated in the table below:

2015 UWMP	2020 UWMP
Not Required - Executive Summary (Ch. 1)	Introduction and Lay Description (Ch. 1)
Three Consecutive Dry-Year Water Reliability Assessment (Ch. 8)	Five Consecutive Dry-Year Water Reliability Assessment (Ch. 7)
Not Required	Drought Risk Assessment (Ch. 4)
Not Required	Seismic Risk (Ch. 8)
Not Required	Energy Use Information (Ch. 6)
Water Loss Reporting for One Year (Ch. 5)	Water Loss Reporting for Five Years (Ch. 4)
WSCP was Four (4) stages (Ch. 9)	WSCP with Six (6) stages (Ch. 8)
Not Required	Groundwater Supplies Coordination (Ch. 6)

Water Demand

The total potable and raw water demand projection for 2020 from the 2015 update was 88,791 AFY. However, the actual demands since the last 2015 UWMP update have been slowly increasing except for a wetter than normal winter in 2018-19, when the demand dropped. The actual demands are shown in the following table:

	2016	2017	2018	2019	2020
Potable and Raw Water	76,619	81,017	82,143	73,127	81,197
Recycled Water Demand	177	187	187	143	141
Total Water Use:	76,796	81,204	82,330	73,270	81,338

Water Supplies

The demand projections were developed considering variables like climate, population growth, and customer behaviors. RPU prepared projections of future demand by using the year 2020 as a starting point, escalating population by an annual growth rate, and assuming demand per customer would stay relatively constant. The annual growth percentage incorporated the expected increase in service area population-based on regional growth forecasts. RPU's per-capita consumption has remained relatively stable. The projected water use for the next 25 years, including the assumed increase of recycled water supply, is expected to increase by about 550 AFY or by a total of about 13,800 (approximately by 17%) and is summarized as follows:

	2020	2025	2030	2035	2040	2045
Potable and Raw Water	81,197	85,012	87,383	89,840	92,387	95,027
Recycled Water	141	5,700	13,420	13,420	13,420	13,420
Total Water Demand:	81,338	90,712	100,803	103,260	105,807	108,447

Water Supply Reliability

Historically, RPU's source waters have proven reliable, even during the multi-year droughts from 1984 to 1990, 1999 to 2002, 2006 to 2009, and 2012 to 2016. To date, RPU has not experienced any significant deficiencies in the water supply. RPU, along with other local water agencies, are cooperating to increase the reliability of groundwater further. In summary, projected available supply and demand comparison is depicted in the following table:

	2025	2030	2035	2040	2045
Available Supply Totals	114,923	124,893	128,193	129,693	129,693
Demand Totals	90,712	100,803	103,260	105,807	108,447
Difference:	24,357	23,947	24,487	22,907	20,053

RPU staff will file a copy of the UWMP with the California Department of Water Resources as required by the Act by the July 1 deadline following the UWMP adoption by the City Council.

FISCAL IMPACT:

There is no fiscal impact associated with this informational report.

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Approved as to form: Kristi J. Smith, Interim City Attorney

Certifies availability of funds: Edward Enriquez, Chief Financial Officer/City Treasurer

Attachments:
1. 2020 Urban Water Management Plan
2. Presentation