Council Agenda Correspondence

DATE: June 15, 2021

TO: Mayor and Council

FROM: Aaron Floyd, Utilities Director
Jennifer Metz, Utilities Project Manager

VIA: Derek Johnson, City Manager

SUBJECT: Item 7.b. – 2020 URBAN WATER MANAGEMENT PLAN AND 2020 WATER SHORTAGE CONTINGENCY PLAN

Staff identified a mathematical error in the water demand projection for 2025 in Tables 32, 33, and 34 found in Chapter 6, Water Supply Reliability & Drought Risk Assessment, of the draft 2020 Urban Water Management Plan (2020 UWMP) and an error in the notes below each Table. The changes to those are included below in legislative format.

As described in the 2020 UWMP, the City's water demand projections were derived using 117 gallons per capita per day (gpcd) and on population growth to levels identified in the City's General Plan. These factors are higher than current gpcd (94 gpcd in 2020) and the City's current population (45,920 in 2020). With these corrections, the City does not project a water supply shortfall due to conservative water planning.

TABLE 32: Supply and Demand Comparison - Normal Year

	2020 (actual)	2025	2030	2035	2040
Supply totals	10,143	10,337	10,537	10,587	10,637
Demand totals	4,817	7,272	7,713	8,191	8,624
Difference	5,326	~~3,166~~ 3,065	2,824	2,396	2,013

NOTES

1. Department of Water Resources, Table 7-2.
2. Units are in acre-feet per year.
3. Water demand projections for 2025 through 2040 were derived using 117 gpcd and population growth levels identified in the City's General Plan Land Use Element. Both factors are higher than the City's 2020 population and gpcd (~~92~~ 94 gpcd).
4. Supply total includes the City's contractual supply to Nacimiento Reservoir, Safe Annual Yield from Salinas and Whale Rock Reservoirs, and the projected increase in recycled water deliveries.

TABLE 33: Single Dry Year Supply and Demand Comparison

	2020 (actual)	2025	2030	2035	2040
Supply totals	10,143	10,337	10,537	10,587	10,637
Demand totals	4,817	7,272	7,713	8,191	8,624
Difference	5,326	~~3,166~~ 3,065	2,824	2,396	2,013

NOTES

1. Department of Water Resources, Table 7-3.
2. Units are in acre-feet per year.
3. Water demand projections for 2025 through 2040 were derived using 117 gpcd and population growth levels identified in the City's General Plan Land Use Element. Both factors are higher than the City's 2020 population and gpcd (~~92~~ 94 gpcd).
4. Supply total includes the City's contractual supply to Nacimiento Reservoir, Safe Annual Yield from Salinas and Whale Rock Reservoirs, and the projected increase in recycled water deliveries.

TABLE 34: Multiple Dry Year Supply and Demand Comparison

		2020 (actual)	2025	2030	2035	2040
First year	**Supply totals**	10,143	10,337	10,537	10,587	10,637
	Demand totals	4,817	7,272	7,713	8,191	8,624
	Difference	5,326	~~3,166~~ 3,065	2,824	2,396	2,013
Second year	**Supply totals**	10,143	10,337	10,537	10,587	10,637
	Demand totals	4,817	7,272	7,713	8,191	8,624
	Difference	5,326	~~3,166~~ 3,065	2,824	2,396	2,013
Third year	**Supply totals**	10,143	10,337	10,537	10,587	10,637
	Demand totals	4,817	7,272	7,713	8,191	8,624
	Difference	5,326	~~3,166~~ 3,065	2,824	2,396	2,013
Fourth year	**Supply totals**	10,143	10,337	10,537	10,587	10,637
	Demand totals	4,817	7,272	7,713	8,191	8,624
	Difference	5,326	~~3,166~~ 3,065	2,824	2,396	2,013
Fifth year	**Supply totals**	10,143	10,337	10,537	10,587	10,637
	Demand totals	4,817	7,272	7,713	8,191	8,624
	Difference	5,326	~~3,166~~ 3,065	2,824	2,396	2,013

NOTES

1. Department of Water Resources, Table 7-4.
2. The urban water targets determined in this UWMP were considered when developing the 2020 water demands included in this table.
3. Water demand projections for 2025 through 2040 were derived using 117 gpcd and population growth levels identified in the City's General Plan Land Use Element. Both factors are higher than the City's 2020 population and gpcd (~~92~~ 94 gpcd).
4. Supply total includes the City's contractual supply to Nacimiento Reservoir, Safe Annual Yield from Salinas and Whale Rock Reservoirs, and the projected increase in recycled water deliveries.