

CITY OF SANTA ROSA
CITY COUNCIL

TO: MAYOR AND CITY COUNCIL
FROM: ROCKY VOGLER, SENIOR WATER RESOURCES PLANNER,
WATER DEPARTMENT
SUBJECT: 2015 URBAN WATER MANAGEMENT PLAN AND 2015 URBAN
WATER SHORTAGE CONTINGENCY PLAN

AGENDA ACTION: RESOLUTION

RECOMMENDATION

It is recommended by the Board of Public Utilities and the Water Department that the Council, by resolution, adopt the 2015 Urban Water Management Plan and the 2015 Urban Water Shortage Contingency Plan, the latter of which is included as an Appendix to the 2015 Urban Water Management Plan.

EXECUTIVE SUMMARY

In conformance with the Urban Water Management Planning Act, the City of Santa Rosa has prepared its 2015 Urban Water Management Plan (UWMP) and its 2015 Urban Water Shortage Contingency Plan (Shortage Plan) and is conducting a public hearing prior to adoption of the 2015 UWMP and 2015 Shortage Plan.

The 2015 UWMP and 2015 Shortage Plan relates to Council Goal 3: Provide Leadership for Environmental Initiatives.

BACKGROUND

The Urban Water Management Planning Act (Act) requires every urban water supplier that provides water for municipal purposes to more than 3,000 connections or supplying more than 3,000 acre-feet per year (AFY) of water to adopt and submit an UWMP to the California Department of Water Resources (DWR) every five years, in years ending with a "5" or "0". The deadline for water suppliers to adopt their 2015 UWMP was extended from December 31, 2015 to July 1, 2016. The City is an urban supplier of water for approximately 53,000 connections supplying approximately 20,000 AFY of water and is therefore required to comply with the Act.

The Act requires very specific information to be included in the UWMP and requires the urban water supplier to hold a public hearing to review and adopt the UWMP. The

City's previous UWMP was the 2010 UWMP, which was adopted by the City Council in June 2011.

In 2009, Senate Bill x7-7, the Water Conservation Act (SB x7-7), was signed into law. SB x7-7 set a goal of achieving a 20% reduction in statewide urban per capita water use by the year 2020 and required urban water retailers to set an interim 2015 and a final 2020 community urban per capita water use target. In April 2011, the City Council adopted the 2015 interim water use target at 136 gallons per capita per day (gpcd) and the 2020 final water use target at 127 gpcd. As part of the 2015 UWMP requirements, the 2015 interim and 2020 final water use targets were required to be reviewed and updated, incorporating 2010 census data. With the revision to the population data, the 2015 interim target did not change and the 2020 final target was reduced from 127 gpcd to 126 gpcd.

The Act also includes a requirement to prepare an Urban Water Shortage Contingency Plan (Shortage Plan), which details how a community would react to a reduction in water supply up to 50%. Santa Rosa's Shortage Plan was initially adopted in 1992 and, prior to this 2015 update, the Shortage Plan was most recently updated and adopted in June 2011. The 2015 Shortage Plan includes updates based on lessons learned from the current drought and the recent implementation of the City's 2010 Shortage Plan.

PRIOR CITY COUNCIL REVIEW

On May 10, 2016, City staff presented an overview of the 2015 UWMP and the 2015 Shortage Plan in Study Session.

ANALYSIS

1. The City's 2015 UWMP includes details about Santa Rosa's projected water supply and demand through 2040 during an average water year, a single dry year, and multiple dry years; current and projected recycled water use; water conservation program details; and detailed information about our regional water supply.
2. The City's 2015 UWMP includes an updated demand analysis based on population and employment projections of the City's currently adopted Santa Rosa General Plan 2035, as well as average water use for the years 2004 through 2013, not including 2009 as the City was under Shortage conditions, and incorporates previous water conservation implementation as well as water efficiency requirements for future development. The projected water demand, including unaccounted for water and future water use efficiency requirements, is projected to be 28,140 acre-feet per year (AFY) in 2040.
3. The City's 2015 UWMP includes updated information on the City's interim 2015 and final 2020 community per capita water use targets as required by SBx7-7. The 2020 compliance year target was re-evaluated for the 2015 UWMP since updated 2010 census data was made available after the 2010 UWMP had been adopted. With the

revision to the population data, the 2015 interim target did not change and the 2020 target was reduced from 127 gpcd to 126 gpcd. Due to the City's aggressive water conservation implementation, the City's projected 2020 per capita water use is 114 gpcd, below the final 2020 water use target of 126 gpcd.

4. Santa Rosa currently has three existing sources of water: entitlement of 29,100 AFY from the Sonoma County Water Agency (Agency) pursuant to the Restructured Agreement for Water Supply, which was executed in 2006; 2,300 AFY of local groundwater supply; and approximately 140 AFY of recycled water supply. Additionally, the City's water conservation program reduces current potable demand and assures that future demands are efficient.
5. The projected water supply, including existing and additional water supplies, is projected to be 31,540 AFY. The 2015 UWMP concludes that projected water supplies are available to meet the demands of the City's adopted General Plan 2035.
6. The City's 2015 UWMP also includes an update to the City's Shortage Plan incorporating changes based on lessons learned from the current drought and the recent implementation of the City's 2010 Shortage Plan. The update includes the introduction of two new stages at 15% shortage (Stage 2) and 25% shortage (Stage 4), as well as renumbering all seven stages sequentially. In addition, the update slightly adjusts at what stage water use prohibitions go into effect and updates the consumption limits in Stages 5 – 7 to reflect current demand patterns.
7. The 2015 Shortage Plan also includes changes to the Water Shortage Charge (WSC), beginning with a 5% WSC in Stage 3, 10% WSC in Stage 4, 15% WSC in Stage 5, 20% WSC in Stage 6, and a 30% WSC in Stage 7. The WSC is added to the usage charge portion of the rate structure and would only be enacted if the City Council determined the charge necessary as part of the adoption of the corresponding Shortage Stage.
8. The 2015 Shortage Plan includes changes to the Excess Use Penalty (EUP), which only applies to water use in excess of consumption limits during Stages 5, 6 and 7 and would only be enacted by Council as part of the adoption of the corresponding Shortage Stage. The EUP would apply to water usage 100% - 150% over consumption limits and over 150% of consumption limits as follows:

Shortage Stage	Demand Reduction Goal	EUP 100 – 150% over consumption limit	EUP 100 – 150% over consumption limit
Stage 5	30%	10%	20%
Stage 6	40%	25%	50%
Stage 7	50%	50%	100%

9. All other aspects of the 2015 Shortage Plan remain unchanged.

10. Public participation in the development of the 2015 UWMP and 2015 Shortage Plan was encouraged through a bill insert that was sent to all Water customers, public notices sent to the county and surrounding cities and water districts, and through a dedicated website: www.srcity.org/uwmp.
11. The Water Conservation Subcommittee of the Board of Public Utilities met multiple times February through April 2016 to participate in the development of the 2015 UWMP and 2015 Shortage Plan. The Board of Public Utilities reviewed the 2015 UWMP and the 2015 Shortage Plan in Study Session on April 21, 2016 and reviewed and recommended the updates to the 2015 Plan and the 2015 Shortage Plan at their meeting on June 2, 2016.

FISCAL IMPACT

None. Preparation of the 2015 UWMP was included in the budgets for fiscal years 2014-15 and 2015-16.

ENVIRONMENTAL IMPACT

This action is exempt from the California Environmental Quality Act (CEQA) because it is not a project which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment, pursuant to CEQA Guideline section 15378. Additionally, Water Code Section 10653 of the UWMP Act states that UWMPs are exempt from CEQA.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

On June 2, 2016, the Board of Public Utilities passed a resolution recommending that Council adopt the 2015 Urban Water Management Plan and 2015 Urban Water Shortage Contingency Plan. Additionally, the Board of Public Utilities held a study session on April 21, 2016, and the Water Conservation Subcommittee met on February 9, 2016, March 9, 2016 and April 14, 2016 to review and provide input on the 2015 Plan and 2015 Shortage Plan.

NOTIFICATION

Public notices related to the development of the 2015 UWMP, 2015 Shortage Plan and the June 14, 2016 public hearing were published in the Press Democrat on May 26, 2016 and June 6, 2016.

ATTACHMENTS

- Attachment 1 – Draft 2015 Urban Water Management Plan
- Resolution

CONTACT

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