



Appendix A

Legislative Requirements

(THIS PAGE LEFT BLANK INTENTIONALLY)



WATER CODE - WAT

DIVISION 6. CONSERVATION, DEVELOPMENT, AND UTILIZATION OF STATE WATER RESOURCES [10000 - 12999] (Heading of Division 6 amended by Stats. 1957, Ch. 1932.)

PART 2.55. SUSTAINABLE WATER USE AND DEMAND REDUCTION [10608 - 10609.42] (Part 2.55 added by Stats.2009, 7th Ex. Sess., Ch. 4, Sec. 1.)

CHAPTER 1. General Declarations and Policy [10608 - 10608.8] (Chapter 1 added by Stats. 2009, 7th Ex. Sess., Ch. 4, Sec. 1.)

10608.

The Legislature finds and declares all of the following:

- (a) Water is a public resource that the California Constitution protects against waste and unreasonable use.
- (b) Growing population, climate change, and the need to protect and grow California's economy while protecting and restoring our fish and wildlife habitats make it essential that the state manage its water resources as efficiently as possible.
- (c) Diverse regional water supply portfolios will increase water supply reliability and reduce dependence on the Delta.
- (d) Reduced water use through conservation provides significant energy and environmental benefits, and can help protect water quality, improve stream flows, and reduce greenhouse gas emissions.
- (e) The success of state and local water conservation programs to increase efficiency of water use is best determined on the basis of measurable outcomes related to water use or efficiency.
- (f) Improvements in technology and management practices offer the potential for increasing water efficiency in California over time, providing an essential water management tool to meet the need for water for urban, agricultural, and environmental uses.
- (g) The Governor has called for a 20 percent per capita reduction in urban water use statewide by 2020.
- (h) The factors used to formulate water use efficiency targets can vary significantly from location to location based on factors including weather, patterns of urban and suburban development, and past efforts to enhance water use efficiency.
- (i) Per capita water use is a valid measure of a water provider's efforts to reduce urban water use within its service area. However, per capita water use is less useful for measuring relative water use efficiency between different water providers. Differences in weather, historical patterns of urban and suburban development, and density of housing in a particular location need to be considered when assessing per capita water use as a measure of efficiency.

(Added by Stats. 2009, 7th Ex. Sess., Ch. 4, Sec. 1. (SB 7 7x) Effective February 3, 2010.)

10608.4

It is the intent of the Legislature, by the enactment of this part, to do all of the following:

- (a) Require all water suppliers to increase the efficiency of use of this essential resource.
- (b) Establish a framework to meet the state targets for urban water conservation identified in this part and called for by the Governor.
- (c) Measure increased efficiency of urban water use on a per capita basis.
- (d) Establish a method or methods for urban retail water suppliers to determine targets for achieving increased water use efficiency by the year 2020, in accordance with the Governor's goal of a 20-percent reduction.
- (e) Establish consistent water use efficiency planning and implementation standards for urban water suppliers and agricultural water suppliers.
- (f) Promote urban water conservation standards that are consistent with the California Urban Water Conservation Council's adopted best management practices and the requirements for demand management in Section 10631.
- (g) Establish standards that recognize and provide credit to water suppliers that made substantial capital investments in urban water conservation since the drought of the early 1990s.
- (h) Recognize and account for the investment of urban retail water suppliers in providing recycled water for beneficial uses.
- (i) Require implementation of specified efficient water management practices for agricultural water suppliers.
- (j) Support the economic productivity of California's agricultural, commercial, and industrial sectors.
- (k) Advance regional water resources management.

(Added by Stats. 2009, 7th Ex. Sess., Ch. 4, Sec. 1. (SB 7 7x) Effective February 3, 2010.)



10608.8

(a) (1) Water use efficiency measures adopted and implemented pursuant to this part or Part 2.8 (commencing with Section 10800) are water conservation measures subject to the protections provided under Section 1011.

(2) Because an urban agency is not required to meet its urban water use target until 2020 pursuant to subdivision

(a) of Section 10608.24, an urban retail water supplier's failure to meet those targets shall not establish a violation of law for purposes of any state administrative or judicial proceeding prior to January 1, 2021.

Nothing in this paragraph limits the use of data reported to the department or the board in litigation or an administrative proceeding. This paragraph shall become inoperative on January 1, 2021.

(3) To the extent feasible, the department and the board shall provide for the use of water conservation reports required under this part to meet the requirements of Section 1011 for water conservation reporting.

(b) This part does not limit or otherwise affect the application of Chapter 3.5 (commencing with Section 11340), Chapter 4 (commencing with Section 11370), Chapter 4.5 (commencing with Section 11400), and Chapter 5 (commencing with Section 11500) of Part 1 of Division 3 of Title 2 of the Government Code.

(c) This part does not require a reduction in the total water used in the agricultural or urban sectors, because other factors, including, but not limited to, changes in agricultural economics or population growth may have greater effects on water use. This part does not limit the economic productivity of California's agricultural, commercial, or industrial sectors.

(d) The requirements of this part do not apply to an agricultural water supplier that is a party to the Quantification Settlement Agreement, as defined in subdivision (a) of Section 1 of Chapter 617 of the Statutes of 2002, during the period within which the Quantification Settlement Agreement remains in effect. After the expiration of the Quantification Settlement Agreement, to the extent conservation water projects implemented as part of the Quantification Settlement Agreement remain in effect, the conserved water created as part of those projects shall be credited against the obligations of the agricultural water supplier pursuant to this part.

(Added by Stats. 2009, 7th Ex. Sess., Ch. 4, Sec. 1. (SB 7 7x) Effective February 3, 2010.)



WATER CODE - WAT

DIVISION 6. CONSERVATION, DEVELOPMENT, AND UTILIZATION OF STATE WATER RESOURCES [10000 - 12999] (*Heading of Division 6 amended by Stats. 1957, Ch. 1932.*)

PART 2.55. SUSTAINABLE WATER USE AND DEMAND REDUCTION [10608 - 10609.42] (*Part 2.55 added by Stats. 2009, 7th Ex. Sess., Ch. 4, Sec. 1.*)

CHAPTER 9. Urban Water Use Objectives and Water Use Reporting [10609 - 10609.38] (*Chapter 9 added by Stats. 2018, Ch. 15, Sec. 7.*)

10609. (a) The Legislature finds and declares that this chapter establishes a method to estimate the aggregate amount of water that would have been delivered the previous year by an urban retail water supplier if all that water had been used efficiently. This estimated aggregate water use is the urban retail water supplier's urban water use objective. The method is based on water use efficiency standards and local service area characteristics for that year. By comparing the amount of water actually used in the previous year with the urban water use objective, local urban water suppliers will be in a better position to help eliminate unnecessary use of water; that is, water used in excess of that needed to accomplish the intended beneficial use.

(b) The Legislature further finds and declares all of the following:

(1) This chapter establishes standards and practices for the following water uses:

(A) Indoor residential use.

(B) Outdoor residential use.

(C) CII water use.

(D) Water losses.

(E) Other unique local uses and situations that can have a material effect on an urban water supplier's total water use.

(2) This chapter further does all of the following:

(A) Establishes a method to calculate each urban water use objective.

(B) Considers recycled water quality in establishing efficient irrigation standards.

(C) Requires the department to provide or otherwise identify data regarding the unique local conditions to support the calculation of an urban water use objective.

(D) Provides for the use of alternative sources of data if alternative sources are shown to be as accurate as, or more accurate than, the data provided by the department.

(E) Requires annual reporting of the previous year's water use with the urban water use objective.

(F) Provides a bonus incentive for the amount of potable recycled water used the previous year when comparing the previous year's water use with the urban water use objective, of up to 10 percent of the urban water use objective.

(3) This chapter requires the department and the board to solicit broad public participation from stakeholders and other interested persons in the development of the standards and the adoption of regulations pursuant to this chapter.

(4) This chapter preserves the Legislature's authority over long-term water use efficiency target setting and ensures appropriate legislative oversight of the implementation of this chapter by doing all of the following:

(A) Requiring the Legislative Analyst to conduct a review of the implementation of this chapter, including compliance with the adopted standards and regulations, accuracy of the data, use of alternate data, and other

issues the Legislative Analyst deems appropriate.

(B) Stating legislative intent that the director of the department and the chairperson of the board appear before the appropriate Senate and Assembly policy committees to report on progress in implementing this chapter.

(C) Providing one-time-only authority to the department and board to adopt water use efficiency standards, except as explicitly provided in this chapter. Authorization to update the standards shall require separate legislation.

(c) It is the intent of the Legislature that the following principles apply to the development and implementation of long-term standards and urban water use objectives:

(1) Local urban retail water suppliers should have primary responsibility for meeting standards-based water use targets, and they shall retain the flexibility to develop their water supply portfolios, design and implement water conservation strategies, educate their customers, and enforce their rules.

(2) Long-term standards and urban water use objectives should advance the state's goals to mitigate and adapt to climate change.

(3) Long-term standards and urban water use objectives should acknowledge the shade, air quality, and heat-island reduction benefits provided to communities by trees through the support of water-efficient irrigation practices that keep trees healthy.

(4) The state should identify opportunities for streamlined reporting, eliminate redundant data submissions, and incentivize open access to data collected by urban and agricultural water suppliers.

(Amended by Stats. 2019, Ch. 497, Sec. 287. (AB 991) Effective January 1, 2020.)

10609.2. (a) The board, in coordination with the department, shall adopt long-term standards for the efficient use of water pursuant to this chapter on or before June 30, 2022.

(b) Standards shall be adopted for all of the following:

(1) Outdoor residential water use.

(2) Outdoor irrigation of landscape areas with dedicated irrigation meters in connection with CII water use.

(3) A volume for water loss.

(c) When adopting the standards under this section, the board shall consider the policies of this chapter and the proposed efficiency standards' effects on local wastewater management, developed and natural parklands, and urban tree health. The standards and potential effects shall be identified by May 30, 2022. The board shall allow for public comment on potential effects identified by the board under this subdivision.

(d) The long-term standards shall be set at a level designed so that the water use objectives, together with other demands excluded from the long-term standards such as CII indoor water use and CII outdoor water use not connected to a dedicated landscape meter, would exceed the statewide conservation targets required pursuant to Chapter 3 (commencing with Section 10608.16).

(e) The board, in coordination with the department, shall adopt by regulation variances recommended by the department pursuant to Section 10609.14 and guidelines and methodologies pertaining to the calculation of an urban retail water supplier's urban water use objective recommended by the department pursuant to Section 10609.16.

(Added by Stats. 2018, Ch. 15, Sec. 7. (AB 1668) Effective January 1, 2019.)

10609.4. (a) (1) Until January 1, 2025, the standard for indoor residential water use shall be 55 gallons per capita daily.

(2) Beginning January 1, 2025, and until January 1, 2030, the standard for indoor residential water use shall be the greater of 52.5 gallons per capita daily or a standard recommended pursuant to subdivision (b).

(3) Beginning January 1, 2030, the standard for indoor residential water use shall be the greater of 50 gallons per capita daily or a standard recommended pursuant to subdivision (b).

(b) (1) The department, in coordination with the board, shall conduct necessary studies and investigations and may jointly recommend to the Legislature a standard for indoor residential water use that more appropriately reflects best practices for indoor residential water use than the standard described in subdivision (a). A report on the results of the studies and investigations shall be made to the chairpersons of the relevant policy committees of each house of the Legislature by January 1, 2021, and shall include information necessary to support the recommended standard, if there is one. The studies and investigations shall also include an analysis of the benefits and impacts of how the changing standard for indoor residential water use will impact water and wastewater

management, including potable water usage, wastewater, recycling and reuse systems, infrastructure, operations, and supplies.

(2) The studies, investigations, and report described in paragraph (1) shall include collaboration with, and input from, a broad group of stakeholders, including, but not limited to, environmental groups, experts in indoor plumbing, and water, wastewater, and recycled water agencies.

(Added by Stats. 2018, Ch. 15, Sec. 7. (AB 1668) Effective January 1, 2019.)

10609.6. (a) (1) The department, in coordination with the board, shall conduct necessary studies and investigations and recommend, no later than October 1, 2021, standards for outdoor residential use for adoption by the board in accordance with this chapter.

(2) (A) The standards shall incorporate the principles of the model water efficient landscape ordinance adopted by the department pursuant to the Water Conservation in Landscaping Act (Article 10.8 (commencing with Section 65591) of Chapter 3 of Division 1 of Title 7 of the Government Code).

(B) The standards shall apply to irrigable lands.

(C) The standards shall include provisions for swimming pools, spas, and other water features. Ornamental water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, shall be analyzed separately from swimming pools and spas.

(b) The department shall, by January 1, 2021, provide each urban retail water supplier with data regarding the area of residential irrigable lands in a manner that can reasonably be applied to the standards adopted pursuant to this section.

(c) The department shall not recommend standards pursuant to this section until it has conducted pilot projects or studies, or some combination of the two, to ensure that the data provided to local agencies are reasonably accurate for the data's intended uses, taking into consideration California's diverse landscapes and community characteristics.

(Added by Stats. 2018, Ch. 15, Sec. 7. (AB 1668) Effective January 1, 2019.)

10609.8. (a) The department, in coordination with the board, shall conduct necessary studies and investigations and recommend, no later than October 1, 2021, standards for outdoor irrigation of landscape areas with dedicated irrigation meters or other means of calculating outdoor irrigation use in connection with CII water use for adoption by the board in accordance with this chapter.

(b) The standards shall incorporate the principles of the model water efficient landscape ordinance adopted by the department pursuant to the Water Conservation in Landscaping Act (Article 10.8 (commencing with Section 65591) of Chapter 3 of Division 1 of Title 7 of the Government Code).

(c) The standards shall include an exclusion for water for commercial agricultural use meeting the definition of subdivision (b) of Section 51201 of the Government Code.

(Added by Stats. 2018, Ch. 15, Sec. 7. (AB 1668) Effective January 1, 2019.)

10609.9. For purposes of Sections 10609.6 and 10609.8, "principles of the model water efficient landscape ordinance" means those provisions of the model water efficient landscape ordinance applicable to the establishment or determination of the amount of water necessary to efficiently irrigate both new and existing landscapes. These provisions include, but are not limited to, all of the following:

(a) Evapotranspiration adjustment factors, as applicable.

(b) Landscape area.

(c) Maximum applied water allowance.

(d) Reference evapotranspiration.

(e) Special landscape areas, including provisions governing evapotranspiration adjustment factors for different types of water used for irrigating the landscape.

(Added by Stats. 2018, Ch. 15, Sec. 7. (AB 1668) Effective January 1, 2019.)

10609.10. (a) The department, in coordination with the board, shall conduct necessary studies and investigations and recommend, no later than October 1, 2021, performance measures for CII water use for adoption by the board in accordance with this chapter.

(b) Prior to recommending performance measures for CII water use, the department shall solicit broad public participation from stakeholders and other interested persons relating to all of the following:

- (1) Recommendations for a CII water use classification system for California that address significant uses of water.
- (2) Recommendations for setting minimum size thresholds for converting mixed CII meters to dedicated irrigation meters, and evaluation of, and recommendations for, technologies that could be used in lieu of requiring dedicated irrigation meters.
- (3) Recommendations for CII water use best management practices, which may include, but are not limited to, water audits and water management plans for those CII customers that exceed a recommended size, volume of water use, or other threshold.

(c) Recommendations of appropriate performance measures for CII water use shall be consistent with the October 21, 2013, report to the Legislature by the Commercial, Industrial, and Institutional Task Force entitled "Water Use Best Management Practices," including the technical and financial feasibility recommendations provided in that report, and shall support the economic productivity of California's commercial, industrial, and institutional sectors.

(d) (1) The board, in coordination with the department, shall adopt performance measures for CII water use on or before June 30, 2022.

(2) Each urban retail water supplier shall implement the performance measures adopted by the board pursuant to paragraph (1).

(Added by Stats. 2018, Ch. 15, Sec. 7. (AB 1668) Effective January 1, 2019.)

10609.12. The standards for water loss for urban retail water suppliers shall be the standards adopted by the board pursuant to subdivision (i) of Section 10608.34.

(Added by Stats. 2018, Ch. 15, Sec. 7. (AB 1668) Effective January 1, 2019.)

10609.14. (a) The department, in coordination with the board, shall conduct necessary studies and investigations and, no later than October 1, 2021, recommend for adoption by the board in accordance with this chapter appropriate variances for unique uses that can have a material effect on an urban retail water supplier's urban water use objective.

(b) Appropriate variances may include, but are not limited to, allowances for the following:

- (1) Significant use of evaporative coolers.
- (2) Significant populations of horses and other livestock.
- (3) Significant fluctuations in seasonal populations.
- (4) Significant landscaped areas irrigated with recycled water having high levels of total dissolved solids.
- (5) Significant use of water for soil compaction and dust control.
- (6) Significant use of water to supplement ponds and lakes to sustain wildlife.
- (7) Significant use of water to irrigate vegetation for fire protection.
- (8) Significant use of water for commercial or noncommercial agricultural use.

(c) The department, in recommending variances for adoption by the board, shall also recommend a threshold of significance for each recommended variance.

(d) Before including any specific variance in calculating an urban retail water supplier's water use objective, the urban retail water supplier shall request and receive approval by the board for the inclusion of that variance.

(e) The board shall post on its Internet Web site all of the following:

- (1) A list of all urban retail water suppliers with approved variances.
- (2) The specific variance or variances approved for each urban retail water supplier.
- (3) The data supporting approval of each variance.

(Added by Stats. 2018, Ch. 15, Sec. 7. (AB 1668) Effective January 1, 2019.)

10609.15. To help streamline water data reporting, the department and the board shall do all of the following:

(a) Identify urban water reporting requirements shared by both agencies, and post on each agency's Internet Web site how the data is used for planning, regulatory, or other purposes.

(b) Analyze opportunities for more efficient publication of urban water reporting requirements within each agency, and analyze how each agency can integrate various data sets in a publicly accessible location, identify priority actions, and implement priority actions identified in the analysis.

(c) Make appropriate data pertaining to the urban water reporting requirements that are collected by either agency available to the public according to the principles and requirements of the Open and Transparent Water Data Act (Part 4.9 (commencing with Section 12400)).

(Added by Stats. 2018, Ch. 15, Sec. 7. (AB 1668) Effective January 1, 2019.)

10609.16. The department, in coordination with the board, shall conduct necessary studies and investigations and recommend, no later than October 1, 2021, guidelines and methodologies for the board to adopt that identify how an urban retail water supplier calculates its urban water use objective. The guidelines and methodologies shall address, as necessary, all of the following:

(a) Determining the irrigable lands within the urban retail water supplier's service area.

(b) Updating and revising methodologies described pursuant to subparagraph (A) of paragraph (1) of subdivision (h) of Section 10608.20, as appropriate, including methodologies for calculating the population in an urban retail water supplier's service area.

(c) Using landscape area data provided by the department or alternative data.

(d) Incorporating precipitation data and climate data into estimates of a urban retail water supplier's outdoor irrigation budget for its urban water use objective.

(e) Estimating changes in outdoor landscape area and population, and calculating the urban water use objective, for years when updated landscape imagery is not available from the department.

(f) Determining acceptable levels of accuracy for the supporting data, the urban water use objective, and compliance with the urban water use objective.

(Added by Stats. 2018, Ch. 15, Sec. 7. (AB 1668) Effective January 1, 2019.)

10609.18. The department and the board shall solicit broad public participation from stakeholders and other interested persons in the development of the standards and the adoption of regulations pursuant to this chapter. The board shall hold at least one public meeting before taking any action on any standard or variance recommended by the department.

(Added by Stats. 2018, Ch. 15, Sec. 7. (AB 1668) Effective January 1, 2019.)

10609.20. (a) Each urban retail water supplier shall calculate its urban water use objective no later than January 1, 2024, and by January 1 every year thereafter.

(b) The calculation shall be based on the urban retail water supplier's water use conditions for the previous calendar or fiscal year.

(c) Each urban water supplier's urban water use objective shall be composed of the sum of the following:

(1) Aggregate estimated efficient indoor residential water use.

(2) Aggregate estimated efficient outdoor residential water use.

(3) Aggregate estimated efficient outdoor irrigation of landscape areas with dedicated irrigation meters or equivalent technology in connection with CII water use.

(4) Aggregate estimated efficient water losses.

(5) Aggregate estimated water use in accordance with variances, as appropriate.

(d) (1) An urban retail water supplier that delivers water from a groundwater basin, reservoir, or other source that is augmented by potable reuse water may adjust its urban water use objective by a bonus incentive calculated pursuant to this subdivision.

(2) The water use objective bonus incentive shall be the volume of its potable reuse delivered to residential water users and to landscape areas with dedicated irrigation meters in connection with CII water use, on an acre-foot basis.

(3) The bonus incentive pursuant to paragraph (1) shall be limited in accordance with one of the following:

(A) The bonus incentive shall not exceed 15 percent of the urban water supplier's water use objective for any potable reuse water produced at an existing facility.

(B) The bonus incentive shall not exceed 10 percent of the urban water supplier's water use objective for any potable reuse water produced at any facility that is not an existing facility.

(4) For purposes of this subdivision, "existing facility" means a facility that meets all of the following:

(A) The facility has a certified environmental impact report, mitigated negative declaration, or negative declaration on or before January 1, 2019.

(B) The facility begins producing and delivering potable reuse water on or before January 1, 2022.

(C) The facility uses microfiltration and reverse osmosis technologies to produce the potable reuse water.

(e) (1) The calculation of the urban water use objective shall be made using landscape area and other data provided by the department and pursuant to the standards, guidelines, and methodologies adopted by the board. The department shall provide data to the urban water supplier at a level of detail sufficient to allow the urban water supplier to verify its accuracy at the parcel level.

(2) Notwithstanding paragraph (1), an urban retail water supplier may use alternative data in calculating the urban water use objective if the supplier demonstrates to the department that the alternative data are equivalent, or superior, in quality and accuracy to the data provided by the department. The department may provide technical assistance to an urban retail water supplier in evaluating whether the alternative data are appropriate for use in calculating the supplier's urban water use objective.

(Amended by Stats. 2019, Ch. 239, Sec. 2. (AB 1414) Effective January 1, 2020.)

10609.21. (a) For purposes of Section 10609.20, and notwithstanding paragraph (4) of subdivision (d) of Section 10609.20, "existing facility" also includes the North City Project, phase one of the Pure Water San Diego Program, for which an environmental impact report was certified on April 10, 2018.

(b) This section shall become operative on January 1, 2019.

(Added by Stats. 2018, Ch. 453, Sec. 4. (SB 875) Effective September 17, 2018. Section operative January 1, 2019, by its own provisions.)

10609.22. (a) An urban retail water supplier shall calculate its actual urban water use no later than January 1, 2024, and by January 1 every year thereafter.

(b) The calculation shall be based on the urban retail water supplier's water use for the previous calendar or fiscal year.

(c) Each urban water supplier's urban water use shall be composed of the sum of the following:

(1) Aggregate residential water use.

(2) Aggregate outdoor irrigation of landscape areas with dedicated irrigation meters in connection with CII water use.

(3) Aggregate water losses.

(Amended by Stats. 2019, Ch. 239, Sec. 3. (AB 1414) Effective January 1, 2020.)

10609.24. (a) An urban retail water supplier shall submit a report to the department no later than January 1, 2024, and by January 1 every year thereafter. The report shall include all of the following:

(1) The urban water use objective calculated pursuant to Section 10609.20 along with relevant supporting data.

(2) The actual urban water use calculated pursuant to Section 10609.22 along with relevant supporting data.

(3) Documentation of the implementation of the performance measures for CII water use.

(4) A description of the progress made towards meeting the urban water use objective.

(5) The validated water loss audit report conducted pursuant to Section 10608.34.

(b) The department shall post the reports and information on its internet website.

(c) The board may issue an information order or conservation order to, or impose civil liability on, an entity or individual for failure to submit a report required by this section.

(Amended by Stats. 2019, Ch. 239, Sec. 4. (AB 1414) Effective January 1, 2020.)

10609.25. As part of the first report submitted to the department by an urban retail water supplier no later than January 1, 2024, pursuant to subdivision (a) of Section 10609.24, each urban retail water supplier shall provide a

narrative that describes the water demand management measures that the supplier plans to implement to achieve its urban water use objective by January 1, 2027.

(Added by Stats. 2019, Ch. 239, Sec. 5. (AB 1414) Effective January 1, 2020.)

10609.26. (a) (1) On and after January 1, 2024, the board may issue informational orders pertaining to water production, water use, and water conservation to an urban retail water supplier that does not meet its urban water use objective required by this chapter. Informational orders are intended to obtain information on supplier activities, water production, and conservation efforts in order to identify technical assistance needs and assist urban water suppliers in meeting their urban water use objectives.

(2) In determining whether to issue an informational order, the board shall consider the degree to which the urban retail water supplier is not meeting its urban water use objective, information provided in the report required by Section 10609.24, and actions the urban retail water supplier has implemented or will implement in order to help meet the urban water use objective.

(3) The board shall share information received pursuant to this subdivision with the department.

(4) An urban water supplier may request technical assistance from the department. The technical assistance may, to the extent available, include guidance documents, tools, and data.

(b) On and after January 1, 2025, the board may issue a written notice to an urban retail water supplier that does not meet its urban water use objective required by this chapter. The written notice may warn the urban retail water supplier that it is not meeting its urban water use objective described in Section 10609.20 and is not making adequate progress in meeting the urban water use objective, and may request that the urban retail water supplier address areas of concern in its next annual report required by Section 10609.24. In deciding whether to issue a written notice, the board may consider whether the urban retail water supplier has received an informational order, the degree to which the urban retail water supplier is not meeting its urban water use objective, information provided in the report required by Section 10609.24, and actions the urban retail water supplier has implemented or will implement in order to help meet its urban water use objective.

(c) (1) On and after January 1, 2026, the board may issue a conservation order to an urban retail water supplier that does not meet its urban water use objective. A conservation order may consist of, but is not limited to, referral to the department for technical assistance, requirements for education and outreach, requirements for local enforcement, and other efforts to assist urban retail water suppliers in meeting their urban water use objective.

(2) In issuing a conservation order, the board shall identify specific deficiencies in an urban retail water supplier's progress towards meeting its urban water use objective, and identify specific actions to address the deficiencies.

(3) The board may request that the department provide an urban retail water supplier with technical assistance to support the urban retail water supplier's actions to remedy the deficiencies.

(d) A conservation order issued in accordance with this chapter may include requiring actions intended to increase water-use efficiency, but shall not curtail or otherwise limit the exercise of a water right, nor shall it require the imposition of civil liability pursuant to Section 377.

(Amended by Stats. 2019, Ch. 239, Sec. 6. (AB 1414) Effective January 1, 2020.)

10609.27. Notwithstanding Section 10609.26, the board shall not issue an information order, written notice, or conservation order pursuant to Section 10609.26 if both of the following conditions are met:

(a) The board determines that the urban retail water supplier is not meeting its urban water use objective solely because the volume of water loss exceeds the urban retail water supplier's standard for water loss.

(b) Pursuant to Section 10608.34, the board is taking enforcement action against the urban retail water supplier for not meeting the performance standards for the volume of water losses.

(Added by Stats. 2019, Ch. 203, Sec. 1. (SB 134) Effective January 1, 2020.)

10609.28. The board may issue a regulation or informational order requiring a wholesale water supplier, an urban retail water supplier, or a distributor of a public water supply, as that term is used in Section 350, to provide a monthly report relating to water production, water use, or water conservation.

(Added by Stats. 2018, Ch. 14, Sec. 12. (SB 606) Effective January 1, 2019.)

10609.30. On or before January 10, 2024, the Legislative Analyst shall provide to the appropriate policy committees of both houses of the Legislature and the public a report evaluating the implementation of the water use efficiency

standards and water use reporting pursuant to this chapter. The board and the department shall provide the Legislative Analyst with the available data to complete this report.

(a) The report shall describe all of the following:

(1) The rate at which urban retail water users are complying with the standards, and factors that might facilitate or impede their compliance.

(2) The accuracy of the data and estimates being used to calculate urban water use objectives.

(3) Indications of the economic impacts, if any, of the implementation of this chapter on urban water suppliers and urban water users, including CII water users.

(4) The frequency of use of the bonus incentive, the volume of water associated with the bonus incentive, value to urban water suppliers of the bonus incentive, and any implications of the use of the bonus incentive on water use efficiency.

(5) The early indications of how implementing this chapter might impact the efficiency of statewide urban water use.

(6) Recommendations, if any, for improving statewide urban water use efficiency and the standards and practices described in this chapter.

(7) Any other issues the Legislative Analyst deems appropriate.

(Added by Stats. 2018, Ch. 14, Sec. 13. (SB 606) Effective January 1, 2019.)

10609.32. It is the intent of the Legislature that the chairperson of the board and the director of the department appear before the appropriate policy committees of both houses of the Legislature on or around January 1, 2026, and report on the implementation of the water use efficiency standards and water use reporting pursuant to this chapter. It is the intent of the Legislature that the topics to be covered include all of the following:

(a) The rate at which urban retail water suppliers are complying with the standards, and factors that might facilitate or impede their compliance.

(b) What enforcement actions have been taken, if any.

(c) The accuracy of the data and estimates being used to calculate urban water use objectives.

(d) Indications of the economic impacts, if any, of the implementation of this chapter on urban water suppliers and urban water users, including CII water users.

(e) The frequency of use of the bonus incentive, the volume of water associated with the bonus incentive, value to urban water suppliers of the bonus incentive, and any implications of the use of the bonus incentive on water use efficiency.

(f) An assessment of how implementing this chapter is affecting the efficiency of statewide urban water use.

(Added by Stats. 2018, Ch. 14, Sec. 14. (SB 606) Effective January 1, 2019.)

10609.34. Notwithstanding Section 15300.2 of Title 14 of the California Code of Regulations, an action of the board taken under this chapter shall be deemed to be a Class 8 action, within the meaning of Section 15308 of Title 14 of the California Code of Regulations, provided that the action does not involve relaxation of existing water conservation or water use standards.

(Added by Stats. 2018, Ch. 14, Sec. 15. (SB 606) Effective January 1, 2019.)

10609.36. (a) Nothing in this chapter shall be construed to determine or alter water rights. Sections 1010 and 1011 apply to water conserved through implementation of this chapter.

(b) Nothing in this chapter shall be construed to authorize the board to update or revise water use efficiency standards authorized by this chapter except as explicitly provided in this chapter. Authorization to update the standards beyond that explicitly provided in this chapter shall require separate legislation.

(c) Nothing in this chapter shall be construed to limit or otherwise affect the use of recycled water as seawater barriers for groundwater salinity management.

(Added by Stats. 2018, Ch. 14, Sec. 16. (SB 606) Effective January 1, 2019.)

10609.38. The board may waive the requirements of this chapter for a period of up to five years for any urban retail water supplier whose water deliveries are significantly affected by changes in water use as a result of damage from a disaster such as an earthquake or fire. In establishing the period of a waiver, the board shall take into

consideration the breadth of the damage and the time necessary for the damaged areas to recover from the disaster.

(Added by Stats. 2018, Ch. 14, Sec. 17. (SB 606) Effective January 1, 2019.)



DIVISION 6. CONSERVATION, DEVELOPMENT, AND UTILIZATION OF STATE WATER RESOURCES [10000 - 12999]
(*Heading of Division 6 amended by Stats. 1957, Ch. 1932.*)

PART 2.6. URBAN WATER MANAGEMENT PLANNING [10610 - 10657] (*Part 2.6 added by Stats. 1983, Ch. 1009, Sec..*)

CHAPTER 1. General Declaration and Policy [10610 - 10610.4] (*Chapter 1 added by Stats. 1983, Ch. 1009, Alec. 1.*)

[10610](#) This part shall be known and may be cited as the “Urban Water Management Planning Act.”

(*Added by Stats. 1983, Ch. 1009, Sec. 1.*)

[10610.2.](#) (a) The Legislature finds and declares all of the following:

(1) The waters of the state are a limited and renewable resource subject to ever-increasing demands.

(2) The conservation and efficient use of urban water supplies are of statewide concern; however, the planning for that use and the implementation of those plans can best be accomplished at the local level.

(3) A long-term, reliable supply of water is essential to protect the productivity of California's businesses and economic climate, and increasing long-term water conservation among Californians, improving water use efficiency within the state's communities and agricultural production, and strengthening local and regional drought planning are critical to California's resilience to drought and climate change.

(4) As part of its long-range planning activities, every urban water supplier should make every effort to ensure the appropriate level of reliability in its water service sufficient to meet the needs of its various categories of customers during normal, dry, and multiple dry water years now and into the foreseeable future, and every urban water supplier should collaborate closely with local land-use authorities to ensure water demand forecasts are consistent with current land-use planning.

(5) Public health issues have been raised over a number of contaminants that have been identified in certain local and imported water supplies.

(6) Implementing effective water management strategies, including groundwater storage projects and recycled water projects, may require specific water quality and salinity targets for meeting groundwater basins water quality objectives and promoting beneficial use of recycled water.

(7) Water quality regulations are becoming an increasingly important factor in water agencies' selection of raw water sources, treatment alternatives, and modifications to existing treatment facilities.

(8) Changes in drinking water quality standards may also impact the usefulness of water supplies and may ultimately impact supply reliability.

(9) The quality of source supplies can have a significant impact on water management strategies and supply reliability.

(b) This part is intended to provide assistance to water agencies in carrying out their long-term resource planning responsibilities to ensure adequate water supplies to meet existing and future demands for water.

(*Amended by Stats. 201B, Ch. 14, Sec. 18. (SB 606) Effective January 1, 201 9.*)

[10610.4](#) The Legislature finds and declares that it is the policy of the state as follows:

(a) The management of urban water demands and efficient use of water shall be actively pursued to protect both the people of the state and their water resources.



CHAPTER 2. Definitions [10611 - 10618] (Chapter 2 added by Stats. 1983, Ch. 1009, iec. 1.)

[10611.](#) Unless the context otherwise requires, the definitions of this chapter govern the construction of this part.

(Added by Stats. 1983, Ch. 1009, Sec. 1.)

[10611.3](#) “Customer” means a purchaser of water from a water supplier who uses the water for municipal purposes, including residential, commercial, governmental, and industrial uses.

Added by renumbering Section 10612 by Stats. 2018, Ch. 14, Sec. 20. (SB 606) Effective January 1, 2019.)

[10611.5](#) “Demand management” means those water conservation measures, programs, and incentives that prevent the waste of water and promote the reasonable and efficient use and reuse of available supplies.

(Amended by Stats. 1995, Ch. 854, Sec. 3. Effective January 1, 1996.)

[10612](#) “Drought risk assessment” means a method that examines water shortage risks based on the driest five- year historic sequence for the agency’s water supply, as described in subdivision (b) of Section 10635.

(Added by Stats. 2018, Ch. 14, Sec. 21. (SB 606) Effective January 1, 2019.)

[10613.](#) “Efficient use” means those management measures that result in the most effective use of water so as to prevent its waste or unreasonable use or unreasonable method of use.

(Added by Stats. 1983, Ch. 1009, Exec. 1.)

[10614.](#) “Person” means any individual, firm, association, organization, partnership, business, trust, corporation, company, public agency, or any agency of such an entity.

(Added by Stats. 1983, Ch. 1009, Sec. 1.)

[10615.](#) “Plan” means an urban water management plan prepared pursuant to this part. A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses, reclamation and demand management activities. The components of the plan may vary according to an individual community or area’s characteristics and its capabilities to efficiently use and conserve water. The plan shall address measures for residential, commercial, governmental, and industrial water demand management as set forth in Article 2 (commencing with Section 10630) of Chapter 3. In addition, a strategy and time schedule for implementation shall be included in the plan.

(Amended by Stats. 1995, Ch. 854, Sec. 4. Effective January 1, 1996.)

[10616.](#) “Public agency” means any board, commission, county, city and county, city, regional agency, district, or other public entity.

(Added by Stats. 1983, Ch. 1009, Sec. 1.)

[10616.5](#) “Recycled water” means the reclamation and reuse of wastewater for beneficial use.

(Added by Stats. 1995, Ch. 854, Sec. 5. Effective January 1, 1996)

[10617.](#) “Urban water supplier” means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually. An urban water supplier includes a supplier or contractor for water, regardless of the basis of right, which distributes or sells for ultimate resale to customers. This part applies only to water



supplied from public water systems subject to Chapter 4 (commencing with Section 116275) of Part 12 of Division 104 of the Health and Safety Code.

(Amended by Stats. 1996, Ch. 1023, Sec. 428. Effective January 29, 1996.)

[10617.5](#) “Water shortage contingency plan” means a document that incorporates the provisions detailed in subdivision (a) of Section 10632 and is subsequently adopted by an urban water supplier pursuant to this article.

(Added by Stats. 2018, Ch. 14, Sec. 22. (SB 606) Effective January 1, 2019)

[10618](#) “Water supply and demand assessment” means a method that looks at current year and one or more dry year supplies and demands for determining water shortage risks, as described in Section 10632.1.

(Added by Stats. 2018, Ch. 14, Sec. 23 (SB 606). Effective January 1, 2019)



CHAPTER 3. Urban Water Management Plans [10620 - 10645] (Chapter 3 added by Stabs. 1983, Ch. 1009, Sec. 1.)

ARTICLE 1. General Provisions [10620 - 1 0621] (Article 1 added by Stats. 1 983, Ch. 1009, Sec. 1.)

- [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).
- (b) Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.
- (c) An urban water supplier indirectly providing water shall not include planning elements in its water management plan as provided in Article 2 (commencing with Section 10630) that would be applicable to urban water suppliers or public agencies directly providing water, or to their customers, without the consent of those suppliers or public agencies.
- (d) (l) An urban water supplier may satisfy the requirements of this part by participation in areawide, regional, watershed, or basinwide urban water management planning where those plans will reduce preparation costs and contribute to the achievement of conservation, efficient water use, and improved local drought resilience.
- (2) Notwithstanding paragraph (1), each urban water supplier shall develop its own water shortage contingency plan, but an urban water supplier may incorporate, collaborate, and otherwise share information with other urban water suppliers or other governing entities participating in an areawide, regional, watershed, or basinwide urban water management plan, an agricultural management plan, or groundwater sustainability plan development.
- (3) Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.
- (e) The urban water supplier may prepare the plan with its own staff, by contract, or in cooperation with other governmental agencies.
- (f) An urban water supplier shall describe in the plan water management tools and options used by that entity that will maximize resources and minimize the need to import water from other regions.

(Amended by Stats. 2018, Ch. 14, Sec. 24. (SB 606) Effective January 1, 2019.)

- [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.
- (b) Every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days before the public hearing on the plan required by Section 10642, notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. The urban water supplier may consult with, and obtain comments from, any city or county that receives notice pursuant to this subdivision.
- (c) An urban water supplier regulated by the Public Utilities Commission shall include its most recent plan and water shortage contingency plan as part of the supplier's general rate case filings.
- (d) The amendments to, or changes in, the plan shall be adopted and filed in the manner set forth in Article 3 (commencing with Section 10640)
- (e) Each urban water supplier shall update and submit its 2015 plan to the department by July1, 2016



[Home](#)

[Bill Information](#)

[California Law](#)

[Publications](#)

[Other Resources](#)

[My Subscriptions](#)

[My Favorites](#)

(f) Each urban water supplier shall update and submit its 2020 plan to the department by July 1,2021

(Amended by Stats. 2019, Ch. 239, Sec. 7. (AB 1414) Effective January 1, 2020.)



CHAPTER 3. Urban Water Management Plans [10620 - 10645] (Chapter 3 added by Stats. 1983, Ch. 1009, Sec. 1.)

ARTICLE 2. Contents of Plans [10630 - 10634] (Article 2 added by Stats. 1983, Ch. 1009, Sec. 1.)

[10630](#) It is the intention of the Legislature, in enacting this part, to permit levels of water management planning commensurate with the numbers of customers served and the volume of water supplied, while accounting for impacts from climate change.

(Amended by Stats. 2018, Ch. 14, Sec. 26. (SB 606) Effective January 1, 2019.)

[10630.5](#) Each plan shall include a simple lay description of how much water the agency has on a reliable basis, how much it needs for the foreseeable future, what the agency's strategy is for meeting its water needs, the challenges facing the agency, and any other information necessary to provide a general understanding of the agency's plan.

(Added by Stats. 2018, Ch. 14, Sec. 27. (SB 606) Effective January 1, 2019.)

[10631](#) A plan shall be adopted in accordance with this chapter that shall do all of the following:

(a) Describe the service area of the supplier, including current and projected population, climate, and other social, economic, and demographic factors affecting the supplier's water management planning. The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier and shall be in five-year increments to 20 years or as far as data is available. The description shall include the current and projected land uses within the existing or anticipated service area affecting the supplier's water management planning. Urban water suppliers shall coordinate with local or regional land use authorities to determine the most appropriate land use information, including, where appropriate, land use information obtained from local or regional land use authorities, as developed pursuant to Article 5 (commencing with Section 65300) of Chapter 3 of Division 1 of Title 7 of the Government Code.

(b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a), providing supporting and related information, including all of the following:

(1) A detailed discussion of anticipated supply availability under a normal water year, single dry year, and droughts lasting at least five years, as well as more frequent and severe periods of drought, as described in the drought risk assessment. For each source of water supply, consider any information pertinent to the reliability analysis conducted pursuant to Section 10635, including changes in supply due to climate change.

(2) When multiple sources of water supply are identified, a description of the management of each supply in correlation with the other identified supplies.

(3) For any planned sources of water supply, a description of the measures that are being undertaken to acquire and develop those water supplies.

(4) If groundwater is identified as an existing or planned source of water available to the supplier, all of the following information:

The current version of any groundwater sustainability plan or alternative adopted pursuant to Part 2.74 (commencing with Section 10720), any groundwater management plan adopted by the urban water supplier, including plans adopted pursuant to Part 2.75 (commencing with Section 10750), or any other specific authorization for groundwater management for basins underlying the urban water supplier's service area.



(A) A description of any groundwater basin or basins from which the urban water supplier pumps groundwater. For basins that a court or the board has adjudicated the rights to pump groundwater, a copy of the order or decree adopted by the court or the board and a description of the amount of groundwater the urban water supplier has the legal right to pump under the order or decree. For a basin that has not been adjudicated, information as to whether the department has identified the basin as a high- or medium-priority basin in the most current official departmental bulletin that characterizes the condition of the groundwater basin, and a detailed description of the efforts being undertaken by the urban water supplier to coordinate with groundwater sustainability agencies or groundwater management agencies listed in subdivision (c) of Section 10723 to maintain or achieve sustainable groundwater conditions in accordance with a groundwater sustainability plan or alternative adopted pursuant to Part 2.74 (commencing with Section 10720).

(B) A detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.

(C) A detailed description and analysis of the amount and location of groundwater that is projected to be pumped by the urban water supplier. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.

(c) Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.

(d) (I) For an urban retail water supplier, quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, based upon information developed pursuant to subdivision (a), identifying the uses among water use sectors, including, but not necessarily limited to, all of the following:

(A) Single-family residential.

(B) Multifamily.

(C) Commercial.

(D) Industrial.

(E) Institutional and governmental.

(F) Landscape.

(G) Sales to other agencies.

(H) Saline water intrusion barriers, groundwater recharge, or conjunctive use, or any combination thereof.

(I) Agricultural.

(J) Distribution system water loss.

(2) The water use projections shall be in the same five-year increments described in subdivision (a).

(3) (A) The distribution system water loss shall be quantified for each of the five years preceding the plan update, in accordance with rules adopted pursuant to Section 10608.34.

(B) The distribution system water loss quantification shall be reported in accordance with a worksheet approved or developed by the department through a public process. The water loss quantification worksheet shall be based on the water system balance methodology developed by the American Water Works Association.

(C) In the plan due July 1, 2021, and in each update thereafter, data shall be included to show whether the urban retail water supplier met the distribution loss standards enacted by the board pursuant to Section 10608.34.

(4) (A) Water use projections, where available, shall display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use



plans identified by the urban water supplier, as applicable to the service area.

(B) To the extent that an urban water supplier reports the information described in subparagraph (A), an urban water supplier shall do both of the following:

(i) Provide citations of the various codes, standards, ordinances, or transportation and land use plans utilized in making the projections.

(ii) Indicate the extent that the water use projections consider savings from codes, standards, ordinances, or transportation and land use plans. Water use projections that do not account for these water savings shall be noted of that fact.

(e) Provide a description of the supplier's water demand management measures. This description shall include all of the following:

(1) (A) For an urban retail water supplier, as defined in Section 10608.12, a narrative description that addresses the nature and extent of each water demand management measure implemented over the past five years. The narrative shall describe the water demand management measures that the supplier plans to implement to achieve its water use targets pursuant to Section 10608.20.

(B) For the supplement required of urban retail water suppliers by paragraph (2) of subdivision (f) of Section 10621, a narrative that describes the water demand management measures that the supplier plans to implement to achieve its urban water use objective by January 1, 2027, pursuant to Chapter 9 (commencing with Section 10609) of Part 2.55.

(C) The narrative pursuant to this paragraph shall include descriptions of the following water demand management measures:

(i) Water waste prevention ordinances.

(ii) Metering.

(iii) Conservation pricing.

(iv) Public education and outreach.

(v) Programs to assess and manage distribution system real loss.

(vi) Water conservation program coordination and staffing support.

(vii) Other demand management measures that have a significant impact on water use as measured in gallons per capita per day, including innovative measures, if implemented.

(2) For an urban wholesale water supplier, as defined in Section 10608.12, a narrative description of the items in clauses (ii), (iv), (vi), and (vii) of subparagraph (C) of paragraph (1), and a narrative description of its distribution system asset management and wholesale supplier assistance programs.

(f) Include a description of all water supply projects and water supply programs that may be undertaken by the urban water supplier to meet the total projected water use, as established pursuant to subdivision (a) of Section 10635. The urban water supplier shall include a detailed description of expected future projects and programs that the urban water supplier may implement to increase the amount of the water supply available to the urban water supplier in normal and single-dry water years and for a period of drought lasting five consecutive water years. The description shall identify specific projects and include a description of the increase in water supply that is expected to be available from each project. The description shall include an estimate with regard to the implementation timeline for each project or program.

(g) Describe the opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply.



(h) An urban water supplier that relies upon a wholesale agency for a source of water shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier's plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (f). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (f).

(Amended by Stats. 2018, Ch. 14, Sec. 28. (SB 606) Effective January 1, 2019.)

[10631.1](#) (a) The water use projections required by Section 10631 shall include projected water use for single-family and multifamily residential housing needed for lower income households, as defined in Section 50079.5 of the Health and Safety Code, as identified in the housing element of any city, county, or city and county in the service area of the supplier.

(b) It is the intent of the Legislature that the identification of projected water use for single-family and multifamily residential housing for lower income households will assist a supplier in complying with the requirement under Section 65589.7 of the Government Code to grant a priority for the provision of service to housing units affordable to lower income households.

(Added by Stats. 2005, Ch. 727, Sec. 2. Effective January 1, 2006.)

[10631.2](#). (a) In addition to the requirements of Section 10631, an urban water management plan shall include any of the following information that the urban water supplier can readily obtain:

- (1) An estimate of the amount of energy used to extract or divert water supplies.
- (2) An estimate of the amount of energy used to convey water supplies to the water treatment plants or distribution systems.
- (3) An estimate of the amount of energy used to treat water supplies.
- (4) An estimate of the amount of energy used to distribute water supplies through its distribution systems.
- (5) An estimate of the amount of energy used for treated water supplies in comparison to the amount used for nontreated water supplies.
- (6) An estimate of the amount of energy used to place water into or withdraw from storage.
- (7) Any other energy-related information the urban water supplier deems appropriate.

(b) The department shall include in its guidance for the preparation of urban water management plans a methodology for the voluntary calculation or estimation of the energy intensity of urban water systems. The department may consider studies and calculations conducted by the Public Utilities Commission in developing the methodology.

(c) The Legislature finds and declares that energy use is only one factor in water supply planning and shall not be considered independently of other factors.

(Amended by Stats. 2018, Ch. 14, Sec. 29. (SB 606a) Effective January 1, 2019.)

[10632](#) (a) Every urban water supplier shall prepare and adopt a water shortage contingency plan as part of its urban water management plan that consists of each of the following elements:

- (1) The analysis of water supply reliability conducted pursuant to Section 10635.
- (2) The procedures used in conducting an annual water supply and demand assessment



that include, at a minimum, both of the following:

(A) The written decision making process that an urban water supplier will use each year to determine its water supply reliability.

(B) The key data inputs and assessment methodology used to evaluate the urban water supplier's water supply reliability for the current year and one dry year, including all of the following:

(i) Current year unconstrained demand, considering weather, growth, and other influencing factors, such as policies to manage current supplies to meet demand objectives in future years, as applicable.

(ii) Current year available supply, considering hydrological and regulatory conditions in the current year and one dry year. The annual supply and demand assessment may consider more than one dry year solely at the discretion of the urban water supplier.

(iii) Existing infrastructure capabilities and plausible constraints.

(iv) A defined set of locally applicable evaluation criteria that are consistently relied upon for each annual water supply and demand assessment.

(v) A description and quantification of each source of water supply.

(3) (A) Six standard water shortage levels corresponding to progressive ranges of up to 10, 20, 30, 40, and 50 percent shortages and greater than 50 percent shortage. Urban water suppliers shall define these shortage levels based on the suppliers' water supply conditions, including percentage reductions in water supply, changes in groundwater levels, changes in surface elevation or level of subsidence, or other changes in hydrological or other local conditions indicative of the water supply available for use. Shortage levels shall also apply to catastrophic interruption of water supplies, including, but not limited to, a regional power outage, an earthquake, and other potential emergency events.

(B) An urban water supplier with an existing water shortage contingency plan that uses different water shortage levels may comply with the requirement in subparagraph (A) by developing and including a cross-reference relating its existing categories to the six standard water shortage levels.

(4) Shortage response actions that align with the defined shortage levels and include, at a minimum, all of the following:

(A) Locally appropriate supply augmentation actions. Locally appropriate demand reduction actions to adequately respond to shortages.

(B) Locally appropriate operational changes.

(C) Additional, mandatory prohibitions against specific water use practices that are in addition to state-mandated prohibitions and appropriate to the local conditions.

(D) For each action, an estimate of the extent to which the gap between supplies and demand will be reduced by implementation of the action.

(5) Communication protocols and procedures to inform customers, the public, interested parties, and local, regional, and state governments, regarding, at a minimum, all of the following:

(A) Any current or predicted shortages as determined by the annual water supply and demand assessment described pursuant to Section 10632.1.

(B) Any shortage response actions triggered or anticipated to be triggered by the annual water supply and demand assessment described pursuant to Section 10632.1.

(C) Any other relevant communications.

(6) For an urban retail water supplier, customer compliance, enforcement, appeal, and exemption



procedures for triggered shortage response actions as determined pursuant to Section 10632.2.

(7) (A) A description of the legal authorities that empower the urban water supplier to implement and enforce its shortage response actions specified in paragraph (4) that may include, but are not limited to, statutory authorities, ordinances, resolutions, and contract provisions.

(B) A statement that an urban water supplier shall declare a water shortage emergency in accordance with Chapter 3 (commencing with Section 350) of Division 1.

(C) A statement that an urban water supplier shall coordinate with any city or county within which it provides water supply services for the possible proclamation of a local emergency, as defined in Section 8558 of the Government Code.

(8) A description of the financial consequences of, and responses for, drought conditions, including, but not limited to, all of the following:

(A) A description of potential revenue reductions and expense increases associated with activated shortage response actions described in paragraph (4).

(B) A description of mitigation actions needed to address revenue reductions and expense increases associated with activated shortage response actions described in paragraph (4).

(C) A description of the cost of compliance with Chapter 3.3 (commencing with Section 365) of Division 1.

(9) For an urban retail water supplier, monitoring and reporting requirements and procedures that ensure appropriate data is collected, tracked, and analyzed for purposes of monitoring customer compliance and to meet state reporting requirements.

(10) Reevaluation and improvement procedures for systematically monitoring and evaluating the functionality of the water shortage contingency plan in order to ensure shortage risk tolerance is adequate and appropriate water shortage mitigation strategies are implemented as needed.

(b) For purposes of developing the water shortage contingency plan pursuant to subdivision (a), an urban water supplier shall analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas, as defined in subdivision (a) of Section 115921 of the Health and Safety Code.

(c) The urban water supplier shall make available the water shortage contingency plan prepared pursuant to this article to its customers and any city or county within which it provides water supplies no later than 30 days after adoption of the water shortage contingency plan.

(Repealed and added by Stats. 2018, Ch. 14, Sec. 32. (SB 606) Effective January 1, 2019.)

[10632.1](#) An urban water supplier shall conduct an annual water supply and demand assessment pursuant to subdivision (a) of Section 10632 and, on or before June 1 of each year, submit an annual water shortage assessment report to the department with information for anticipated shortage, triggered shortage response actions, compliance and enforcement actions, and communication actions consistent with the supplier's water shortage contingency plan. An urban water supplier that relies on imported water from the State Water Project or the Bureau of Reclamation shall submit its annual water supply and demand assessment within 14 days of receiving its final allocations, or by June 1 of each year, whichever is later.

(Added by Stats. 2018, Ch. 14, Sec. 33. (SB 606) Effective January 1, 2019.)

[10632.2](#) An urban water supplier shall follow, where feasible and appropriate, the prescribed procedures and implement determined shortage response actions in its water shortage contingency plan, as identified in subdivision

(a) of Section 10632, or reasonable alternative actions, provided that descriptions of the alternative actions are submitted with the annual water shortage assessment report pursuant to Section



10632.1. Nothing in this section prohibits an urban water supplier from taking actions not specified in its water shortage contingency plan, if needed, without having to formally amend its urban water management plan or water shortage contingency plan.

(Added by Stats. 2018, Ch. 14, Sec. 34. (SB 606) Effective January 1, 2019.)

[10632.3](#) It is the intent of the Legislature that, upon proclamation by the Governor of a state of emergency under the California Emergency Services Act (Chapter 7 (commencing with Section 8550) of Division 1 of Title 2 of the Government Code) based on drought conditions, the board defer to implementation of locally adopted water shortage contingency plans to the extent practicable.

(Added by Stats. 2018, Ch. 14, Sec. 35. (SB 606) Effective January 1, 2019.)

[10632.5](#) (a) In addition to the requirements of paragraph (3) of subdivision (a) of Section 10632, beginning January 1, 2020, the plan shall include a seismic risk assessment and mitigation plan to assess the vulnerability of each of the various facilities of a water system and mitigate those vulnerabilities.

(b) An urban water supplier shall update the seismic risk assessment and mitigation plan when updating its urban water management plan as required by Section 10621.

(c) An urban water supplier may comply with this section by submitting, pursuant to Section 10644, a copy of the most recent adopted local hazard mitigation plan or multihazard mitigation plan under the federal Disaster Mitigation Act of 2000 (Public Law 106-390) if the local hazard mitigation plan or multihazard mitigation plan addresses seismic risk.

(Added by Stats. 2015, Ch. 681, Sec. 1. (SB 664a Effective January 1, 2016.)

[10633](#) The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water supplier. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area, and shall include all of the following:

(a) A description of the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.

(b) A description of the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.

(c) A description of the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.

(d) A description and quantification of the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, indirect potable reuse, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.

(e) The projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected pursuant to this subdivision.

(f) A description of actions, including financial incentives, which may be taken to encourage the use of recycled water, and the projected results of these actions in terms of acre-feet of recycled water used per year.

(g) A plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use.



(Amended by Stats. 2009, Ch. 534, Sec. 2. (AB 1465) Effective January 1, 2010.)

[10634](#) The plan shall include information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments as described in subdivision (a) of Section 10631, and the manner in which water quality affects water management strategies and supply reliability.

(Added by Stats. 2001, Ch. 644, Sec. 3. Effective January 1, 2002.)



CHAPTER 3. Urban Water Management Plans [10620 - 10645] (Chapter 3 added by Stabs. 1983, Ch. 1009, Sec. 1.)

ARTICLE 2.5. Water Service Reliability [10635- 10635.] (Article 2.5 added by Stats. 1995, Ch. 854, Sec. 11.)

[10635.](#) (a) Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the long-term total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and a drought lasting five consecutive water years. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.

(b) Every urban water supplier shall include, as part of its urban water management plan, a drought risk assessment for its water service to its customers as part of information considered in developing the demand management measures and water supply projects and programs to be included in the urban water management plan. The urban water supplier may conduct an interim update or updates to this drought risk assessment within the five-year cycle of its urban water management plan update. The drought risk assessment shall include each of the following:

- (1) A description of the data, methodology, and basis for one or more supply shortage conditions that are necessary to conduct a drought risk assessment for a drought period that lasts five consecutive water years, starting from the year following when the assessment is conducted.
- (2) A determination of the reliability of each source of supply under a variety of water shortage conditions. This may include a determination that a particular source of water supply is fully reliable under most, if not all, conditions.
- (3) A comparison of the total water supply sources available to the water supplier with the total projected water use for the drought period.
- (4) Considerations of the historical drought hydrology, plausible changes on projected supplies and demands under climate change conditions, anticipated regulatory changes, and other locally applicable criteria.

(c) The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan.

(d) Nothing in this article is intended to create a right or entitlement to water service or any specific level of water service.

(e) Nothing in this article is intended to change existing law concerning an urban water supplier's obligation to provide water service to its existing customers or to any potential future customers

(Amended by Stats. 2018, Ch. 14, Sec. 36. (SB 606) Effective January 1, 2019.)



CHAPTER 3. Urban Water Management Plans [10620 - 10645] (Chapter 3 added by Stabs. 1983, Ch. 1009, Sec. 1.)

ARTICLE 3. Adoption and Implementation of Plans [1 0640 - 10645] Article 3 added by Stats. 1983, Ch. 1009, Sec. 1.)

[10640.](#) (a) Every urban water supplier required to prepare a plan pursuant to this part shall prepare its plan pursuant to Article 2 (commencing with Section 10630). The supplier shall likewise periodically review the plan as required by Section 10621, and any amendments or changes required as a result of that review shall be adopted pursuant to this article.

(b) Every urban water supplier required to prepare a water shortage contingency plan shall prepare a water shortage contingency plan pursuant to Section 10632. The supplier shall likewise periodically review the water shortage contingency plan as required by paragraph (10) of subdivision (a) of Section 10632 and any amendments or changes required as a result of that review shall be adopted pursuant to this article.

(Amended by Stats. 2018, Ch. 14, Sec. 37. (SB 606a Effective January 1, 20J 9.g

[10641](#) An urban water supplier required to prepare a plan or a water shortage contingency plan may consult with, and obtain comments from, any public agency or state agency or any person who has special expertise with respect to water demand management methods and techniques.

(Amended by Stats. 2018, Ch. 14, Sec. 38. (SB 606a Effective January 1, 20J 9.g

[10642.](#) Each urban water supplier shall encourage the active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of both the plan and the water shortage contingency plan. Prior to adopting either, the urban water supplier shall make both the plan and the 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 urban water supplier shall provide notice of the time and place of a hearing to any city or county within which the supplier provides water supplies. Notices by a local public agency pursuant to this section shall be provided pursuant to Chapter 17.5 (commencing with Section 7290) of Division 7 of Title 1 of the Government Code. A privately owned water supplier shall provide an equivalent notice within its service area. After the hearing or hearings, the plan or water shortage contingency plan shall be adopted as prepared or as modified after the hearing or hearings.

(Amended by Stats. 2018, Ch. 14, Sec. 39. (SB 606\$ Effective January 1, 70J 9.g

[10643](#) An urban water supplier shall implement its plan adopted pursuant to this chapter in accordance with the schedule set forth in its plan.

(Added by Stats. 1983, Ch. 1009, Sec. 1.)

[10644](#) (a) (1) An urban water supplier shall submit to the department, the California State Library, and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption. Copies of amendments or changes to the plans shall be submitted to the department, the California State Library, and any city or county within which the supplier provides water supplies within 30 days after adoption.

(2) The plan, or amendments to the plan, submitted to the department pursuant to paragraph (1)



shall be submitted electronically and shall include any standardized forms, tables, or displays specified by the department.

(b) If an urban water supplier revises its water shortage contingency plan, the supplier shall submit to the department a copy of its water shortage contingency plan prepared pursuant to subdivision (a) of Section 10632 no later than 30 days after adoption, in accordance with protocols for submission and using electronic reporting tools developed by the department.

(c) (1) (A) Notwithstanding Section 10231.5 of the Government Code, the department shall prepare and submit to the Legislature, on or before July 1, in the years ending in seven and two, a report summarizing the status of the plans and water shortage contingency plans adopted pursuant to this part. The report prepared by the department shall identify the exemplary elements of the individual plans and water shortage contingency plans. The department shall provide a copy of the report to each urban water supplier that has submitted its plan and water shortage contingency plan to the department. The department shall also prepare reports and provide data for any legislative hearings designed to consider the effectiveness of plans and water shortage contingency plans submitted pursuant to this part.

(B) The department shall prepare and submit to the board, on or before September 30 of each year, a report summarizing the submitted water supply and demand assessment results along with appropriate reported water shortage conditions and the regional and statewide analysis of water supply conditions developed by the department. As part of the report, the department shall provide a summary and, as appropriate, urban water supplier specific information regarding various shortage response actions implemented as a result of annual supplier-specific water supply and demand assessments performed pursuant to Section 10632.1.

(C) The department shall submit the report to the Legislature for the 2015 plans by July 1, 2017, and the report to the Legislature for the 2020 plans and water shortage contingency plans by July 1, 2022.

(2) A report to be submitted pursuant to subparagraph (A) of paragraph (1) shall be submitted in compliance with Section 9795 of the Government Code.

(d) The department shall make available to the public the standard the department will use to identify exemplary water demand management measures.

(Amended by Stats. 2018, Ch. 14, Sec. 40. (SB 606) Effective January 1, 2019.)

[10645.](#) (a) Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

(b) Not later than 30 days after filing a copy of its water shortage contingency plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

(Amended by Stats. 2018, Ch. 14, Sec. 41. (SB 606) Effective January 1, 2019.)



CHAPTER 4. Miscellaneous Provisions [1 0650 - 10657] (Chapter 4 added by :itats. 1 983, Ch. 1009, iec. 1.)

[10650](#) Any actions or proceedings, other than actions by the board, to attack, review, set aside, void, or annul the acts or decisions of an urban water supplier on the grounds of noncompliance with this part shall be commenced as follows:

(a) An action or proceeding alleging failure to adopt a plan or a water shortage contingency plan shall be commenced within 18 months after that adoption is required by this part.

(b) Any action or proceeding alleging that a plan or water shortage contingency plan, or action taken pursuant to either, does not comply with this part shall be commenced within 90 days after filing of the plan or water shortage contingency plan or an amendment to either pursuant to Section 10644 or the taking of that action.

(Amended by Stats. 2018, Ch. 14, Sec. 42. (SB 606) Effective January 1, 2019.)

[10651](#) In any action or proceeding to attack, review, set aside, void, or annul a plan or a water shortage contingency plan, or an action taken pursuant to either by an urban water supplier on the grounds of noncompliance with this part, the inquiry shall extend only to whether there was a prejudicial abuse of discretion. Abuse of discretion is established if the supplier has not proceeded in a manner required by law or if the action by the water supplier is not supported by substantial evidence.

(Amended by Stats. 2018, Ch. 14, Sec. 43. (SB 606) Effective January 1, 2019)

[10652](#) The California Environmental Quality Act (Division 13 (commencing with Section 21000) of the Public Resources Code) does not apply to the preparation and adoption of plans pursuant to this part or to the implementation of actions taken pursuant to Section 10632. Nothing in this part shall be interpreted as exempting from the California Environmental Quality Act any project that would significantly affect water supplies for fish and wildlife, or any project for implementation of the plan, other than projects implementing Section 10632, or any project for expanded or additional water supplies.

(Amended by Stats. 1995, Ch. 854, Sec. 6. Effective January 1, 1996.)

[10653](#) The adoption of a plan shall satisfy any requirements of state law, regulation, or order, including those of the board and the Public Utilities Commission, for the preparation of water management plans, water shortage contingency plans, or conservation plans; provided, that if the board or the Public Utilities Commission requires additional information concerning water conservation, drought response measures, or financial conditions to implement its existing authority, nothing in this part shall be deemed to limit the board or the commission in obtaining that information. The requirements of this part shall be satisfied by any urban water demand management plan that complies with analogous federal laws or regulations after the effective date of this part, and which substantially meets the requirements of this part, or by any existing urban water management plan which includes the contents of a plan required under this part.

(Amended by Stats. 2018, Ch. 14, Sec. 45. (SB 606) Effective January 1, 2019)

[10654](#) An urban water supplier may recover in its rates the costs incurred in preparing its urban water management plan, its drought risk assessment, its water supply and demand assessment, and its water shortage contingency plan and implementing the reasonable water conservation measures included in either of the plans.

(Amended by Stats. 2018, Ch. 14, Sec. 44. (SB 606) Effective January 1, 2019)

[10655](#) If any provision of this part or the application thereof to any person or circumstances is held invalid, that invalidity shall not affect other provisions or applications of this part which can be given effect without the invalid provision or application thereof, and to this end the provisions of this part are severable.



(Amended by Stats. 1983, Ch. 1009, Sec. 1)

[10656](#) An urban water supplier is not eligible for a water grant or loan awarded or administered by the state unless the urban water supplier complies with this part.

(Amended by Stats. 2018, Ch. 14, Sec. 46. (SB 606) Effective January 1, 2019)

[10657](#) The department may adopt regulations regarding the definitions of water, water use, and reporting periods, and may adopt any other regulations deemed necessary or desirable to implement this part. In developing regulations pursuant to this section, the department shall solicit broad public participation from stakeholders and other interested persons.

(Amended by Stats. 2018, Ch. 14, Sec. 47. (SB 606) Effective January 1, 2019)

(THIS PAGE LEFT BLANK INTENTIONALLY)

DWR 2020 Urban Water Management Plan Tables

(THIS PAGE LEFT BLANK INTENTIONALLY)

Submittal Table 2-1 Retail Only: Public Water Systems			
Public Water System Number	Public Water System Name	Number of Municipal Connections 2020	Volume of Water Supplied 2020 *
<i>Add additional rows as needed</i>			
CA5010019	City of Turlock	19,468	7,218
TOTAL		19,468	7,218
* Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.			
NOTES: Volumes are in MG. Total Volume supplied includes both potable and raw water supplies.			

Submittal Table 2-2: Plan Identification		
Select Only One	Type of Plan	Name of RUWMP or Regional Alliance <i>if applicable</i> (select from drop down list)
<input checked="" type="checkbox"/>	Individual UWMP	
<input type="checkbox"/>	Water Supplier is also a member of a RUWMP	
<input type="checkbox"/>	Water Supplier is also a member of a Regional Alliance	
<input type="checkbox"/>	Regional Urban Water Management Plan (RUWMP)	
NOTES:		

Submittal Table 2-3: Supplier Identification	
Type of Supplier (select one or both)	
<input type="checkbox"/>	Supplier is a wholesaler
<input checked="" type="checkbox"/>	Supplier is a retailer
Fiscal or Calendar Year (select one)	
<input checked="" type="checkbox"/>	UWMP Tables are in calendar years
<input type="checkbox"/>	UWMP Tables are in fiscal years
If using fiscal years provide month and date that the fiscal year begins (mm/dd)	
Units of measure used in UWMP * (select from drop down)	
Unit	MG
* Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.	
NOTES:	

Submittal Table 2-4 Retail: Water Supplier Information Exchange
The retail Supplier has informed the following wholesale supplier(s) of projected water use in accordance with Water Code Section 10631.
Wholesale Water Supplier Name
<i>Add additional rows as needed</i>
Stanislaus Regional Water Authority
NOTES:

Submittal Table 3-1 Retail: Population - Current and Projected

Population Served	2020 ^(a)	2025 ^(b)	2030 ^(b)	2035 ^(b)	2040 ^(b)	2045(<i>opt</i>) ^(b)
	74,297	81,629	89,684	98,534	108,257	118,939

NOTES:

(a) Source: Department of Finance.

(b) Future population growth was extrapolated from the 2020 actual population based on a 1.90% growth rate stated in the City's 2012 General Plan.

Submittal Table 4-1 Retail: Demands for Potable and Non-Potable¹ Water - Actual

Use Type	2020 Actual		
<p>Drop down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool</p>	Additional Description (as needed)	Level of Treatment When Delivered Drop down list	Volume ²
Add additional rows as needed			
Single Family		Drinking Water	2,964
Multi-Family		Drinking Water	715
Commercial		Drinking Water	430
Industrial		Drinking Water	1,504
Institutional/Governmental		Drinking Water	82
Landscape		Drinking Water	334
Other Potable	City Meters	Drinking Water	216
Other Potable	Unmetered water	Drinking Water	498
Other Potable	Flushing and City of Modesto accounts	Drinking Water	30
Other Non-Potable	Park Wells	Raw Water	445
TOTAL			7,218
¹ Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4.			
² Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.			
NOTES: Volumes are in MG.			

OPTIONAL Table 4-1 Retail: Demands for Potable Water - Actual			
Use Type	2020 Actual		
Drop down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool	Additional Description (as needed)	Level of Treatment When Delivered Drop down list	Volume*
Add additional rows as needed			
Single Family		Drinking Water	2,964
Multi-Family		Drinking Water	715
Commercial		Drinking Water	430
Industrial		Drinking Water	1,504
Institutional/Governmental		Drinking Water	82
Landscape		Drinking Water	334
Other Potable	City Meters	Drinking Water	216
Other Potable	Unmetered water	Drinking Water	498
Other Potable	Flushing and City of Modesto accounts	Drinking Water	30
TOTAL			6,773
* Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.			
NOTES: Volumes are in MG.			

OPTIONAL Table 4-1 Retail: Demands for Non-Potable ¹ Water - Actual			
Use Type	2020 Actual		
Drop down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool	Additional Description (as needed)	Level of Treatment When Delivered Drop down list	Volume ²
Add additional rows as needed			
Other Non-Potable	Park Wells	Raw Water	445
TOTAL			445
¹ Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4. ² Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.			
NOTES: Volumes are in MG.			

Submittal Table 4-2 Retail: Use for Potable and Non-Potable¹ Water - Projected

Use Type	Additional Description (as needed)	Projected Water Use ² <i>Report To the Extent that Records are Available</i>				
		2025	2030	2035	2040	2045 (opt)
<p>Drop down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool</p>						
Add additional rows as needed						
Single Family		3,271	3,594	3,949	4,338	4,767
Multi-Family		789	867	952	1,046	1,150
Commercial		474	521	572	629	691
Industrial		1,660	1,824	2,004	2,202	2,419
Institutional/Governmental		368	405	445	488	537
Landscape		90	99	109	119	131
Other Potable	City Meters	239	262	288	316	348
Other Potable	Unmetered Water	550	604	664	729	801
Other Non-Potable	Parks Non-Potable Wells	149	149	149	149	
TOTAL		7,590	8,325	9,131	10,018	10,843
¹ Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4.						² Units
of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.						
NOTES: Volumes are in MG.						

OPTIONAL Table 4-2 Retail: Use for Potable Water - Projected

Use Type	Additional Description (as needed)	Projected Water Use *				
		Report To the Extent that Records are Available				
<u>Drop down list</u> May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool		2025	2030	2035	2040	2045 (opt)
Add additional rows as needed						
Single Family		3,271	3,594	3,949	4,338	4,767
Multi-Family		789	867	952	1,046	1,150
Commercial		474	521	572	629	691
Industrial		1,660	1,824	2,004	2,202	2,419
Institutional/Governmental		368	405	445	488	537
Landscape		90	99	109	119	131
Other Potable	City Meters	239	262	288	316	348
Other Potable	Unmetered Water	550	604	664	729	801
TOTAL		7,441	8,176	8,982	9,869	10,843
* Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.						
NOTES: Volumes are in MG.						

OPTIONAL Table 4-2 Retail: Use for Non-Potable¹ Water - Projected

Use Type	Additional Description (as needed)	Projected Water Use ²				
		Report To the Extent that Records are Available				
<u>Drop down list</u> May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool		2025	2030	2035	2040	2045 (opt)
Add additional rows as needed						
Other	Parks Non-Potable Wells	149	149	149	149	
TOTAL		149	149	149	149	
¹ Recycled water demands are NOT reported in this table. Recycled water demands are reported in Table 6-4.						
Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.						
NOTES: Volumes are in MG.						

Submittal Table 4-3 Retail: Total Water Use (Potable and Non-Potable)						
	2020	2025	2030	2035	2040	2045 (opt)
Potable Water, Raw, Other Non-potable <i>From Tables 4-1R and 4-2 R</i>	7,218	7,590	8,325	9,131	10,018	10,843
Recycled Water Demand ¹ <i>From Table 6-4</i>	3,470	4,056	4,639	5,221	5,804	
Optional Deduction of Recycled Water Put Into Long-Term Storage ²						
TOTAL WATER USE	10,688	11,647	12,963	14,353	15,822	10,843
<p>¹ Recycled water demand fields will be blank until Table 6-4 is complete</p> <p>² Long term storage means water placed into groundwater or surface storage that is not removed from storage in the same year. Supplier <i>may</i> deduct recycled water placed in long-term storage from their reported demand. This value is manually entered into Table 4-3.</p>						
NOTES:						

OPTIONAL Table 4-3 Retail: Total Water Use (Potable)						
	2020	2025	2030	2035	2040	2045 (opt)
Potable Water <i>From Tables 4-1R and 4-2 R</i>	6,773	7,441	8,176	8,982	9,869	10,843
TOTAL WATER USE	6,773	7,441	8,176	8,982	9,869	10,843
NOTES: Volumes are in MG.						

OPTIONAL Table 4-3 Retail: Total Water Use (Non-Potable)						
	2020	2025	2030	2035	2040	2045 (opt)
Recycled Water Demand ¹ <i>From Table 6-4</i>	3,470	4,056	4,639	5,221	5,804	
Raw and Other Non-potable <i>From Tables 4-1R and 4-2 R</i>	445	149	149	149	149	
Optional Deduction of Recycled Water Put Into Long-Term Storage ²						
TOTAL WATER USE	3,915	4,205	4,788	5,370	5,953	
<p>¹ Recycled water demand fields will be blank until Table 6-4 is complete</p> <p>² Long term storage means water placed into groundwater or surface storage that is not removed from storage in the same year. Supplier <i>may</i> deduct recycled water placed in long-term storage from their reported demand. This value is manually entered into Table 4-3.</p>						
NOTES: Volumes are in MG.						

Submittal Table 4-4 Retail: Last Five Years of Water Loss Audit Reporting	
Reporting Period Start Date (mm/yyyy)	Volume of Water Loss ^{1,2}
01/2016	687
01/2017	527
01/2018	327
01/2019	443
01/2020	451
¹ Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet. ² Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.	
NOTES: Volumes are in MG.	

Submittal Table 4-5 Retail Only: Inclusion in Water Use Projections	
Are Future Water Savings Included in Projections? (Refer to Appendix K of UWMP Guidebook) <i>Drop down list (y/n)</i>	No
If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, or otherwise are utilized in demand projections are found.	
Are Lower Income Residential Demands Included In Projections? <i>Drop down list (y/n)</i>	Yes
NOTES:	

Submittal Table 5-1 Baselines and Targets Summary
From SB X7-7 Verification Form
Retail Supplier or Regional Alliance Only

Baseline Period	Start Year *	End Year *	Average Baseline GPCD*	Confirmed 2020 Target*
10-15 year	1997	2006	356	284
5 Year	2003	2007	352	

**All cells in this table should be populated manually from the supplier's SBX7-7 Verification Form and reported in Gallons per Capita per Day (GPCD)*

NOTES:

Submittal Table 5-2: 2020 Compliance
From SB X7-7 2020 Compliance Form
Retail Supplier or Regional Alliance Only

2020 GPCD			2020 Confirmed Target GPCD*	Did Supplier Achieve Targeted Reduction for 2020? Y/N
Actual 2020 GPCD*	2020 TOTAL Adjustments*	Adjusted 2020 GPCD* (Adjusted if applicable)		
250	-	250	250	YES

**All cells in this table should be populated manually from the supplier's SBX7-7 2020 Compliance Form and reported in Gallons per Capita per Day (GPCD)*

NOTES: Volumes are in MG.

Submittal Table 6-1 Retail: Groundwater Volume Pumped						
<input type="checkbox"/>	Supplier does not pump groundwater. The supplier will not complete the table below.					
<input type="checkbox"/>	All or part of the groundwater described below is desalinated.					
Groundwater Type <i>Drop Down List</i> May use each category multiple times	Location or Basin Name	2016*	2017*	2018*	2019*	2020*
<i>Add additional rows as needed</i>						
Alluvial Basin	Turlock Subbasin within the San Joaquin Valley Groundwater Basin	5,812	6,139	6,108	6,465	7,218
TOTAL		5,812	6,139	6,108	6,465	7,218
* <i>Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</i>						
NOTES: Volumes are in MG.						

Submittal Table 6-2 Retail: Wastewater Collected Within Service Area in 2020

<input type="checkbox"/>	There is no wastewater collection system. The supplier will not complete the table below.
	Percentage of 2020 service area covered by wastewater collection system <i>(optional)</i>
	Percentage of 2020 service area population covered by wastewater collection system <i>(optional)</i>

Wastewater Collection			Recipient of Collected Wastewater			
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated? <i>Drop Down List</i>	Volume of Wastewater Collected from UWMP Service Area 2020 *	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area? <i>Drop Down List</i>	Is WWTP Operation Contracted to a Third Party? <i>(optional)</i> <i>Drop Down List</i>
City of Turlock	Metered	3,909	City of Turlock	Turlock Regional Water Quality Control Facility	Yes	No
Total Wastewater Collected from Service Area in 2020:		3,909				

** Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3 .*

NOTES: Volumes are in MG.
Wastewater generated outside the City's service area, including wastewater from Community Service Districts of Keyes and Denair and the City of Ceres, is treated within the City's service area.

Submittal Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2020

No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below.											
2020 volumes ¹											
Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number (optional) ²	Method of Disposal <i>Drop down list</i>	Does This Plant Treat Wastewater Generated Outside the Service Area? <i>Drop down list</i>	Treatment Level <i>Drop down list</i>	Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area	Instream Flow Permit Requirement
Turlock Regional Water Quality Control Facility	Harding Drain Bypass Pipeline	San Joaquin River		River or creek outfall	Yes	Tertiary	4,246	776	298	3,172	0
Total							4,246	776	298	3,172	0

¹ Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.

² If the **Wastewater Discharge ID Number** is not available to the UWMP preparer, access the SWRCB CIWQS regulated facility website at <https://ciwqs.waterboards.ca.gov/ciwqs/readOnly/CiwqsReportServlet?inCommand=reset&reportName=RegulatedFacility>

NOTES: Volumes are in MG.

Submittal Table 6-4 Retail: Recycled Water Direct Beneficial Uses Within Service Area										
<input type="checkbox"/>	Recycled water is not used and is not planned for use within the service area of the supplier. The supplier will not complete the table below.									
Name of Supplier Producing (Treating) the Recycled Water: Turlock Regional Water Quality Control Facility (RWQCF)										
Name of Supplier Operating the Recycled Water Distribution System: City of Turlock										
Supplemental Water Added in 2020 (volume) <i>Include units</i> None										
Source of 2020 Supplemental Water N/A										
Beneficial Use Type <i>Insert additional rows if needed.</i>	Potential Beneficial Uses of Recycled Water (Describe)	Amount of Potential Uses of Recycled Water (Quantity) <i>Include volume units¹</i>	General Description of 2020 Uses	Level of Treatment <i>Drop down list</i>	2020 ¹	2025 ¹	2030 ¹	2035 ¹	2040 ¹	2045 ¹ (opt)
Agricultural irrigation	Transported by North Valley Regional Recycled Water Pipeline (NVRWP) for agricultural irrigation		Transported by NVRWP for agricultural irrigation	Tertiary	3,172	3,755	4,337	4,919	5,502	
Landscape irrigation (exc golf courses)	Irrigation at Pedretti Sports Fields		Irrigation at Pedretti Sports Fields	Tertiary	1	1	1	1	1	
Golf course irrigation										
Commercial use										
Industrial use										
Geothermal and other energy production	Walnut Energy		Walnut Energy	Tertiary	297	301	301	301	301	
Seawater intrusion barrier										
Recreational impoundment										
Wetlands or wildlife habitat										
Groundwater recharge (IPR)										
Reservoir water augmentation (IPR)										
Direct potable reuse										
Other (Description Required)	Recycled Water Filling Stations		Recycled Water Filling Stations	Tertiary	0	Varies	Varies	Varies	Varies	
					Total:	3,470	4,056	4,639	5,221	5,804
					2020 Internal Reuse					
					0					
¹ Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.										

NOTES: Volumes are in MG. The City began its recycled water filling station in 2018. The City has not set a limit on the amount of recycled water that can be trucked off-site other than 300 gallons per vehicle per trip. The City plans on conducting more outreach to promote the recycled water filling station program and, therefore, is not sure what volume of recycled water to assume will be needed for this program in future years.

Submittal Table 6-5 Retail: 2015 UWMP Recycled Water Use Projection Compared to 2020 Actual

Recycled water was not used in 2015 nor projected for use in 2020. The supplier will not complete the table below. If recycled water was not used in 2020, and was not predicted to be in 2015, then check the box and do not complete the table.

Beneficial Use Type	2015 Projection for 2020 ¹	2020 Actual Use ¹
<i>Insert additional rows as needed.</i>		
Agricultural irrigation	0	3,172
Landscape irrigation (exc golf courses)	18	1
Golf course irrigation	0	0
Commercial use	0	0
Industrial use	0	0
Geothermal and other energy production	471	297
Seawater intrusion barrier	0	0
Recreational impoundment	0	0
Wetlands or wildlife habitat	0	0
Groundwater recharge (IPR)	0	0
Reservoir water augmentation (IPR)	0	0
Direct potable reuse	0	0
Other (Description Required)	Varies	0
Total	489	3,470

¹ Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.

NOTE: Volumes in MG.

The "Other" beneficial use type is the City's recycled water filling stations.

Submittal Table 6-6 Retail: Methods to Expand Future Recycled Water Use			
<input type="checkbox"/>	Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.		
	Provide page location of narrative in UWMP		
Name of Action	Description	Planned Implementation Year	Expected Increase in Recycled Water Use *
<i>Add additional rows as needed</i>			
Recycled Water to TID ^(a)	Agriculture Irrigation	2022	652
Total			652
*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.			
NOTES: Volumes are in MG.			
(a) These actions will result in recycled water supplied to areas outside of the City's service area.			

Submittal Table 6-7 Retail: Expected Future Water Supply Projects or Programs						
<input type="checkbox"/>	No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below.					
<input type="checkbox"/>	Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.					
	Provide page location of narrative in the UWMP					
Name of Future Projects or Programs	Joint Project with other suppliers?		Description (if needed)	Planned Implementation Year	Planned for Use in Year Type <i>Drop Down List</i>	Expected Increase in Water Supply to Supplier* <i>This may be a range</i>
	<i>Drop Down List (y/n)</i>	<i>If Yes, Supplier Name</i>				
<i>Add additional rows as needed</i>						
Stanislaus Regional Surface Water Supply Project	Yes	Stanislaus Regional Water Authority		2023	All Year Types	3,650
*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.						
NOTES: Volumes are in MG.						

Submittal Table 6-8 Retail: Water Supplies — Actual

Submittal Table 6-8 Retail: Water Supplies — Actual				
Water Supply	Additional Detail on Water Supply	2020		
Drop down list May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool		Actual Volume*	Water Quality Drop Down List	Total Right or Safe Yield* (optional)
Add additional rows as needed				
Groundwater (not desalinated)	City's domestic supply wells	6,773	Drinking Water	
Groundwater (not desalinated)	Non-potable park irrigation water	445	Other Non-Potable Water	
Recycled Water		3,474	Recycled Water	
Total		10,692		0
<i>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</i>				
NOTES: Volumes are in MG.				

OPTIONAL Table 6-8 Retail: Water Supplies — Actual Potable

Water Supply	Additional Detail on Water Supply	2020		
Drop down list May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool		Actual Volume*	Water Quality Drop Down List	Total Right or Safe Yield* (optional)
Add additional rows as needed				
Groundwater (not desalinated)	City's domestic supply wells	6,773	Drinking Water	
Total		6,773		0
<i>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</i>				
NOTES: Volumes are in MG.				

OPTIONAL Table 6-8 Retail: Water Supplies — Actual Non-Potable

Water Supply	Additional Detail on Water Supply	2020		
Drop down list May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool		Actual Volume*	Water Quality Drop Down List	Total Right or Safe Yield* (optional)
Add additional rows as needed				
Recycled Water		3,474	Recycled Water	
Other	Park Wells	445	Other Non-Potable Water	
Total		3,919		0
<i>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</i>				
NOTES: Volumes are in MG.				

Submittal Table 6-9 Retail: Water Supplies — Projected											
Water Supply		Projected Water Supply * Report To the Extent Practicable									
Drop down list May use each category multiple times. These are the only water supply categories that will be recognized by the WUedata online submittal tool	Additional Detail on Water Supply	2025		2030		2035		2040		2045 (opt)	
		Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)
Add additional rows as needed											
Groundwater (not desalinated)		7,441		8,176		8,982		9,869		10,843	
Surface water (not desalinated)		3,650		3,650		3,650		3,650		3,650	
Recycled Water		4,056		4,639		5,221		5,804			
Other	Park Wells	149		149		149		149			
	Total	15,297	0	16,613	0	18,003	0	19,472	0	14,493	0
*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.											
NOTES: Volumes are in MG. The Stanislaus Regional Water Supply Project will have a maximum surface water capacity of 3,650 MG during the first phase of build-out in mid-2023. However, there is no timeline for the project expansion so the same volume was assumed for future years.											

OPTIONAL Table 6-9 Retail: Water Supplies — Projected Potable

Water Supply	Additional Detail on Water Supply	Projected Water Supply* Report To the Extent Practicable									
		2025		2030		2035		2040		2045 (opt)	
		Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)
Add additional rows as needed											
Groundwater (not desalinated)		7,441		8,176		8,982		9,869		10,843	
Surface water (not desalinated)		3,650		3,650		3,650		3,650		3,650	
Total		11,091	0	11,826	0	12,632	0	13,519	0	14,493	0

*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.

NOTES: Volumes are in MG.

The Stanislaus Regional Water Supply Project will have a maximum surface water capacity of 3,650 MG during the first phase of build-out in mid-2023. However, there is no timeline for the project expansion so the same volume was assumed for future years.

OPTIONAL Table 6-9 Retail: Water Supplies — Projected Non-Potable

Water Supply	Additional Detail on Water Supply	Projected Water Supply* Report To the Extent Practicable									
		2025		2030		2035		2040		2045 (opt)	
		Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)
Add additional rows as needed											
Recycled Water		4,056		4,639		5,221		5,804			
Other		149		149		149		149			
Total		4,205	0	4,788	0	5,370	0	5,953	0		0

*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.

NOTES: Volumes are in MG.

Table O-1C- Recommended Energy Reporting - Multiple Water Delivery Products		Urban Water Supplier Operational Control					
Enter Start Date for Reporting Period		Water Management Process					
End Date		Extract and Divert	Place into Storage	Conveyance	Treatment	Distribution	Total Utility
1/1/2020	12/31/2020	6773	0	0	0	6773	N/A
<input type="checkbox"/> Is upstream embedded in the values reported?							
Water Volume Units		Total Volume of Water Entering Process (volume units)					
MG		100%	0%	0%	0%	100%	
		Retail Potable Deliveries (%)					
		Retail Non-Potable Deliveries (%)					
		Wholesale Potable Deliveries (%)					
		Wholesale Non-Potable Deliveries (%)					
		Agricultural Deliveries (%)					
		Environmental Deliveries (%)					
		Other (%)					
		Total Percentage [must equal 100%]					
		100%	0%	0%	0%	100%	N/A
		10051244.07	0	0	0	670643.6	1072,1888
		Energy Intensity (kWh/vol. converted to MG)					
		1484.0	0.0	0.0	0.0	99.0	N/A

Water Delivery Type	Production Volume (volume units defined above)		Total Utility (kWh/volume)	Net Utility (kWh/volume)
	Retail Potable Deliveries	6773	1583.0	1583.0
Retail Non-Potable Deliveries	445	0.0	0.0	
Wholesale Potable Deliveries	0	0.0	0.0	
Wholesale Non-Potable Deliveries	0	0.0	0.0	
Agricultural Deliveries	0	0.0	0.0	
Environmental Deliveries	0	0.0	0.0	
Other	0	0.0	0.0	
All Water Delivery Types	7218	1485.4	1485.4	

Quantity of Self-Generated Renewable Energy kWh

Data Quality (Estimate, Metered Data, Combination of Estimates and Metered Data)

Data Quality Narrative:

The City's retail, potable water energy bills start on 12/09/2019 and end on 12/09/2020. However, the total volume of water associated with the January to December 2020 time period is recorded from 1/1/2020 to 12/31/2020. The total utility of retail non-potable deliveries is shown as zero because the City does not keep track of the energy usage for the non-potable water facilities.

Submittal Table 7-1 Retail: Basis of Water Year Data (Reliability Assessment)

Year Type	Base Year If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 2019-2020, use 2020	Available Supplies if Year Type Repeats	
		<input type="checkbox"/>	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		<input checked="" type="checkbox"/>	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available *	% of Average Supply
Average Year	2014	6,363	100%
Single-Dry Year	2016	5,380	85%
Consecutive Dry Years 1st Year	2015	5,562	87%
Consecutive Dry Years 2nd Year	2016	5,380	85%
Consecutive Dry Years 3rd Year	2017	6,026	95%
Consecutive Dry Years 4th Year	2018	5,979	94%
Consecutive Dry Years 5th Year	2019	6,080	96%

Supplier may use multiple versions of Table 7-1 if different water sources have different base years and the supplier chooses to report the base years for each water source separately. If a Supplier uses multiple versions of Table 7-1, in the "Note" section of each table, state that multiple versions of Table 7-1 are being used and identify the particular water source that is being reported in each table.

***Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.**

NOTES:

Volumes are in MG.

Volume available for average year reflects the 10-year average from 2011-2020. The actual water usage in 2014 was actually 6,565 MG but 2014 was the year with usage closest to the average.

In all year types, groundwater is assumed to be sufficient to supply all demand.

Submittal Table 7-2 Retail: Normal Year Supply and Demand Comparison

	2025	2030	2035	2040	2045 (<i>Opt</i>)
Supply totals (<i>autofill from Table 6-9</i>)	15,297	16,613	18,003	19,472	14,493
Demand totals (<i>autofill from Table 4-3</i>)	11,647	12,963	14,353	15,822	10,843
Difference	3,650	3,650	3,650	3,650	3,650

NOTES: Volumes are in MG.

In all year types, if demand cannot be met from Surface Water and Recycled Water alone, it is assumed that groundwater will supply all remaining demand.

The City assumes 3,650 MG of surface water from the Stanislaus Regional Water Supply Project will be available by 2023.

OPTIONAL Table 7-2 Retail: Normal Year Supply and Demand Comparison - Potable					
	2025	2030	2035	2040	2045 (Opt)
Supply totals (autofill from Table 6-9)	11,091	11,826	12,632	13,519	14,493
Demand totals (autofill from Table 4-3)	7,441	8,176	8,982	9,869	10,843
Difference	3,650	3,650	3,650	3,650	3,650
<p>NOTES: Volumes are in MG.</p> <p>In all year types, if potable demand cannot be met from Surface Water alone, it is assumed that groundwater will supply all remaining demand.</p> <p>The City expects 3,650 MG of surface water from the Stanislaus Regional Water Supply Project will be available by 2023.</p>					

OPTIONAL Table 7-2 Retail: Normal Year Supply and Demand Comparison - NonPotable					
	2025	2030	2035	2040	2045 (Opt)
Supply totals (autofill from Table 6-9)	4,205	4,788	5,370	5,953	
Demand totals (autofill from Table 4-3)	4,205	4,788	5,370	5,953	
Difference	0	0	0	0	
<p>NOTES: Volumes are in MG.</p>					

Submittal Table 7-3 Retail: Single Dry Year Supply and Demand Comparison

	2025	2030	2035	2040	2045 (Opt)
Supply totals*	15,297	16,613	18,003	19,472	14,493
Demand totals*	11,647	12,963	14,353	15,822	10,843
Difference	3,650	3,650	3,650	3,650	3,650

**Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES: Volumes are in MG.
 In all year types, if demand cannot be met from Surface Water and Recycled Water alone, it is assumed that groundwater will supply all remaining demand.

OPTIONAL Table 7-3 Retail: Single Dry Year Supply and Demand Comparison - Potable					
	2025	2030	2035	2040	2045 (Opt)
Supply totals*	11,091	11,826	12,632	13,519	14,493
Demand totals*	7,441	8,176	8,982	9,869	10,843
Difference	3,650	3,650	3,650	3,650	3,650
<i>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</i>					
<p>NOTES: Volumes are in MG. In all year types, if potable demand cannot be met from Surface Water alone, it is assumed that groundwater will supply all remaining demand. The City expects 3,650 MG of surface water from the Stanislaus Regional Water Supply Project will be available by 2023.</p>					

OPTIONAL Table 7-3 Retail: Single Dry Year Supply and Demand Comparison - Non-Potable					
	2025	2030	2035	2040	2045 (Opt)
Supply totals*	4,205	4,788	5,370	5,953	
Demand totals*	4,205	4,788	5,370	5,953	
Difference	0	0	0	0	
<i>*Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.</i>					
NOTES: Volumes are in MG.					

Submittal Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison

		2025*	2030*	2035*	2040*	2045* (Opt)
First year	Supply totals	15,297	16,613	18,003	19,472	14,493
	Demand totals	11,647	12,963	14,353	15,822	10,843
	Difference	3,650	3,650	3,650	3,650	3,650
Second year	Supply totals	15,297	16,613	18,003	19,472	14,493
	Demand totals	11,647	12,963	14,353	15,822	10,843
	Difference	3,650	3,650	3,650	3,650	3,650
Third year	Supply totals	15,297	16,613	18,003	19,472	14,493
	Demand totals	11,647	12,963	14,353	15,822	10,843
	Difference	3,650	3,650	3,650	3,650	3,650
Fourth year	Supply totals	15,297	16,613	18,003	19,472	14,493
	Demand totals	11,647	12,963	14,353	15,822	10,843
	Difference	3,650	3,650	3,650	3,650	3,650
Fifth year	Supply totals	15,297	16,613	18,003	19,472	14,493
	Demand totals	11,647	12,963	14,353	15,822	10,843
	Difference	3,650	3,650	3,650	3,650	3,650

**Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES: Volumes are in MG.

In all year types, if demand cannot be met from Surface Water and Recycled Water alone, it is assumed that groundwater will supply all remaining demand.

OPTIONAL Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison - Potable

		2025*	2030*	2035*	2040*	2045* (Opt)
First year	Supply totals	11,091	11,826	12,632	13,519	14,493
	Demand totals	7,441	8,176	8,982	9,869	10,843
	Difference	3,650	3,650	3,650	3,650	3,650
Second year	Supply totals	11,091	11,826	12,632	13,519	14,493
	Demand totals	7,441	8,176	8,982	9,869	10,843
	Difference	3,650	3,650	3,650	3,650	3,650
Third year	Supply totals	11,091	11,826	12,632	13,519	14,493
	Demand totals	7,441	8,176	8,982	9,869	10,843
	Difference	3,650	3,650	3,650	3,650	3,650
Fourth year	Supply totals	11,091	11,826	12,632	13,519	14,493
	Demand totals	7,441	8,176	8,982	9,869	10,843
	Difference	3,650	3,650	3,650	3,650	3,650
Fifth year	Supply totals	11,091	11,826	12,632	13,519	14,493
	Demand totals	7,441	8,176	8,982	9,869	10,843
	Difference	3,650	3,650	3,650	3,650	3,650

**Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES: Volumes are in MG.

In all year types, if potable demand cannot be met from Surface Water alone, it is assumed that groundwater will supply all remaining demand.

OPTIONAL Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison - Non-Potable

		2025*	2030*	2035*	2040*	2045* (Opt)
First year	Supply totals	4,205	4,788	5,370	5,953	
	Demand totals	4,205	4,788	5,370	5,953	
	Difference	0	0	0	0	
Second year	Supply totals	4,205	4,788	5,370	5,953	
	Demand totals	4,205	4,788	5,370	5,953	
	Difference	0	0	0	0	
Third year	Supply totals	4,205	4,788	5,370	5,953	
	Demand totals	4,205	4,788	5,370	5,953	
	Difference	0	0	0	0	
Fourth year	Supply totals	4,205	4,788	5,370	5,953	
	Demand totals	4,205	4,788	5,370	5,953	
	Difference	0	0	0	0	
Fifth year	Supply totals	4,205	4,788	5,370	5,953	
	Demand totals	4,205	4,788	5,370	5,953	
	Difference	0	0	0	0	

**Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES: Volumes are in MG.

2021		Total
Total Water Use		10,880
Total Supplies		11,288
Surplus/Shortfall w/o WSCP Action		409
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		
WSCP - use reduction savings benefit		
Revised Surplus/(shortfall)		409
Resulting % Use Reduction from WSCP action		0%
2022		
2022		Total
Total Water Use		11,071
Total Supplies		11,288
Surplus/Shortfall w/o WSCP Action		217
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		
WSCP - use reduction savings benefit		
Revised Surplus/(shortfall)		217
Resulting % Use Reduction from WSCP action		0%
2023		
2023		Total
Total Water Use		11,263
Total Supplies		12,931
Surplus/Shortfall w/o WSCP Action		1,668
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		
WSCP - use reduction savings benefit		
Revised Surplus/(shortfall)		1,668
Resulting % Use Reduction from WSCP action		0%
2024		
2024		Total
Total Water Use		11,455
Total Supplies		14,208
Surplus/Shortfall w/o WSCP Action		2,753
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		
WSCP - use reduction savings benefit		
Revised Surplus/(shortfall)		2,753
Resulting % Use Reduction from WSCP action		0%
2025		
2025		Total
Total Water Use		11,647
Total Supplies		13,843
Surplus/Shortfall w/o WSCP Action		2,197
Planned WSCP Actions (use reduction and supply augmentation)		
WSCP - supply augmentation benefit		
WSCP - use reduction savings benefit		
Revised Surplus/(shortfall)		2,197
Resulting % Use Reduction from WSCP action		0%

OPTIONAL Table 7-5 Five-year Drought Risk Assessment Tables to address Water Code Section 10635(b) - Potable

2021	Total
Total Water Use - <i>Potable</i>	6,674
Total Supplies - <i>Potable</i>	7,083
Surplus/Shortfall w/o WSCP Action	409
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	409
Resulting % Use Reduction from WSCP action	0%
2022	
Total	
Total Water Use [Use Worksheet]	6,866
Total Supplies [Supply Worksheet]	7,083
Surplus/Shortfall w/o WSCP Action	217
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	217
Resulting % Use Reduction from WSCP action	0%
2023	
Total	
Total Water Use [Use Worksheet]	7,058
Total Supplies [Supply Worksheet]	8,726
Surplus/Shortfall w/o WSCP Action	1,668
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	1,668
Resulting % Use Reduction from WSCP action	0%
2024	
Total	
Total Water Use [Use Worksheet]	7,250
Total Supplies [Supply Worksheet]	10,003
Surplus/Shortfall w/o WSCP Action	2,753
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	
Resulting % Use Reduction from WSCP action	0%
2025	
Total	
Total Water Use [Use Worksheet]	7,441
Total Supplies [Supply Worksheet]	9,638
Surplus/Shortfall w/o WSCP Action	2,197
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	2,197
Resulting % Use Reduction from WSCP action	0%

OPTIONAL Table 7-5 Five-year Drought Risk Assessment Tables to address Water Code Section 10635(b) - Non-Potable

2021	Total
Total Water Use - Non-potable	4,205
Total Supplies	4,205
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%
2022	
Total	Total
Total Water Use [Use Worksheet]	4,205
Total Supplies [Supply Worksheet]	4,205
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%
2023	
Total	Total
Total Water Use [Use Worksheet]	4,205
Total Supplies [Supply Worksheet]	4,205
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%
2024	
Total	Total
Total Water Use [Use Worksheet]	4,205
Total Supplies [Supply Worksheet]	4,205
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%
2025	
Total	Total
Total Water Use [Use Worksheet]	4,205
Total Supplies [Supply Worksheet]	4,205
Surplus/Shortfall w/o WSCP Action	0
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	
WSCP - use reduction savings benefit	
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	0%

**Submittal Table 8-1
Water Shortage Contingency Plan Levels**

Shortage Level	Percent Shortage Range	Shortage Response Actions <i>(Narrative description)</i>
1	Up to 10%	<ul style="list-style-type: none"> - Outdoor landscape watering shall be limited to three times per week on an odd-even basis. - Outdoor landscape watering is prohibited between the hours of 9:00 a.m. and 9:00 p.m. - Large commercial landscapes and City parks may have individual watering schedules approved by the Municipal Services Department. - Residential vehicle washing requires a quick-acting automatic positive shut-off valve and is limited to one washing per week during designated watering times.
2	Up to 20%	<ul style="list-style-type: none"> - Outdoor landscape watering. Outdoor landscape watering shall be limited to two times per week. - Outdoor landscape watering is prohibited between the hours of 9:00 a.m. and 9:00 p.m. - Large commercial landscapes and City parks shall also be limited to two (2) days per week, as scheduled by the Municipal Services Department. - Residential vehicle washing requires a quick-acting automatic positive shut-off valve and is limited to one washing per week during designated watering times. - Further use of decorative fountains or reflection ponds shall be discontinued until further notice.
3	Up to 30%	<ul style="list-style-type: none"> - Construction water from City fire hydrants shall be banned but recycled water from the City of Turlock's Regional Water Quality Control Facility may be made available for construction water purposes. - Outdoor landscape watering shall be limited to one day per week. - Outdoor landscape watering is prohibited between the hours of 9:00 a.m. and 9:00 p.m. - Large commercial landscaping and City parks shall be limited to one (1) day per week, as scheduled by the Municipal Services Department. - Washing of automobiles, trucks, trailers, boats, airplanes, and other types of mobile equipment not occurring upon the immediate premises of commercial car washes and commercial service stations and not in immediate interest of the public health, safety, and welfare shall be prohibited. - Further use of decorative fountains or reflection ponds shall be discontinued until further notice. - Filling newly constructed or drained swimming pools with City water shall be prohibited.
4	Up to 40%	<ul style="list-style-type: none"> - Construction water from City fire hydrants shall be banned but recycled water from the City of Turlock's Regional Water Quality Control Facility may be made available for construction water purposes. - Outdoor landscape watering shall be limited to one day per week, for trees only. - Outdoor landscape watering is prohibited between the hours of 9:00 a.m. and 9:00 p.m. - Large commercial landscaping and City parks shall be limited to one (1) day per week, as scheduled by the Municipal Services Department. - Washing of automobiles, trucks, trailers, boats, airplanes, and other types of mobile equipment not occurring upon the immediate premises of commercial car washes and commercial service stations and not in immediate interest of the public health, safety, and welfare shall be prohibited. - Further use of decorative fountains or reflection ponds shall be discontinued until further notice. - Filling newly constructed or drained swimming pools with City water shall be prohibited.
5	Up to 50%	<ul style="list-style-type: none"> - Construction water from City fire hydrants shall be banned but recycled water from the City of Turlock's Regional Water Quality Control Facility may be made available for construction water purposes. - Outdoor landscape watering shall be limited to one day per week, for trees only. - Outdoor landscape watering is prohibited between the hours of 9:00 a.m. and 9:00 p.m. - Large commercial landscaping and City parks shall be limited to one (1) day per month, as scheduled by the Municipal Services Department. - Washing of automobiles, trucks, trailers, boats, airplanes, and other types of mobile equipment not occurring upon the immediate premises of commercial car washes and commercial service stations and not in immediate interest of the public health, safety, and welfare shall be prohibited. - Further use of decorative fountains or reflection ponds shall be discontinued until further notice. - Filling newly constructed or drained swimming pools with City water shall be prohibited.
6	>50%	<ul style="list-style-type: none"> - Industry and commercial businesses shall be required to curtail consumption to maintain adequate Supplies of water for health and safety. - Outdoor landscape watering shall be prohibited. - Further use of decorative fountains or reflection ponds shall be discontinued until further notice. - Filling newly constructed or drained swimming pools with City water shall be prohibited. - If there is total well failure, disaster relief from outside the City shall be required.

Submittal Table 8-2: Demand Reduction Actions

Shortage Level	Demand Reduction Actions <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>For Retail Suppliers Only</i> <i>Drop Down List</i>
<i>Add additional rows as needed</i>				
1	Landscape - Limit landscape irrigation to specific days	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(a)(1)	Yes
1	Landscape - Limit landscape irrigation to specific times	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(a)(2)	Yes
1	CII - Other CII restriction or prohibition	Reduces total water use by 5-10%	Turlock Municipal Code: 6-7-405(a)(3); Large commercial landscapes and City parks may have individual watering schedules approved by the Municipal Services Department.	Yes
1	Other - Require automatic shut of hoses	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(a)(4); Residential vehicle washing requires a quick-acting automatic positive shut-off valve and is limited to one washing per week during designated watering times.	Yes
2	Landscape - Limit landscape irrigation to specific days	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(b)(1)	Yes
2	Landscape - Limit landscape irrigation to specific times	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(b)(2)	Yes
2	CII - Other CII restriction or prohibition	Reduces total water use by 5-10%	Turlock Municipal Code: 6-7-405(b)(3); Large commercial landscapes and City parks limited to irrigation two days per week	Yes
2	Other - Require automatic shut of hoses	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(b)(4); Residential vehicle washing requires a quick-acting automatic positive shut-off valve and is limited to one washing per week during designated watering times.	Yes
2	Water Features - Restrict water use for decorative water features, such as fountains	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(b)(5)	Yes
3	Landscape - Limit landscape irrigation to specific days	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(c)(1)	Yes
3	Landscape - Limit landscape irrigation to specific times	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(c)(2)	Yes
3	CII - Other CII restriction or prohibition	Reduces total water use by 5-10%	Turlock Municipal Code: 6-7-405(c)(3); Large commercial landscapes and City parks limited to irrigation one day per week	Yes
3	Other water feature or swimming pool restriction	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(c)(4); Filling newly constructed or drained swimming pools is prohibited.	Yes

Submittal Table 8-2: Demand Reduction Actions				
Shortage Level	Demand Reduction Actions Drop down list <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>For Retail Suppliers Only Drop Down List</i>
3	Other - Prohibit use of potable water for construction and dust control	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(c)(5); Construction water from City fire hydrants shall be banned but recycled water from the City's Regional Water Quality Control Facility may be made available for construction water purposes	Yes
3	Water Features - Restrict water use for decorative water features, such as fountains	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(c)(6)	Yes
3	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(c)(7)	Yes
4	Landscape - Limit landscape irrigation to specific days	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(d)(1)	Yes
4	Landscape - Limit landscape irrigation to specific times	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(d)(2)	Yes
4	CII - Other CII restriction or prohibition	Reduces total water use by 5-10%	Turlock Municipal Code: 6-7-405(d)(3); Large commercial landscapes and City parks limited to irrigation one day per week	Yes
4	Other water feature or swimming pool restriction	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(d)(4); Filling newly constructed or drained swimming pools is prohibited.	Yes
4	Other - Prohibit use of potable water for construction and dust control	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(d)(5); Construction water from City fire hydrants shall be banned but recycled water from the City's Regional Water Quality Control Facility may be made available for construction water purposes	Yes
4	Water Features - Restrict water use for decorative water features, such as fountains	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(d)(6)	Yes
4	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(d)(7)	Yes
5	Landscape - Limit landscape irrigation to specific days	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(e)(1)	Yes
5	Landscape - Limit landscape irrigation to specific times	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(e)(2)	Yes
5	CII - Other CII restriction or prohibition	Reduces total water use by 5-10%	Turlock Municipal Code: 6-7-405(e)(3); Large commercial landscapes and City parks limited to irrigation one day per week	Yes

Submittal Table 8-2: Demand Reduction Actions

Shortage Level	Demand Reduction Actions <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>For Retail Suppliers Only</i> <i>Drop Down List</i>
5	Other water feature or swimming pool restriction	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(e)(4); Filling newly constructed or drained swimming pools is prohibited.	Yes
5	Other - Prohibit use of potable water for construction and dust control	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(e)(5); Construction water from City fire hydrants shall be banned but recycled water from the City's Regional Water Quality Control Facility may be made available for construction water purposes	Yes
5	Water Features - Restrict water use for decorative water features, such as fountains	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(e)(6)	Yes
5	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(e)(7)	Yes
6	Landscape - Prohibit all landscape irrigation	Reduces total water use by 20-25%	Turlock Municipal Code: 6-7-405(f)(1)	Yes
6	CII - Other CII restriction or prohibition	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(f)(2); Industry and commercial businesses shall be required to curtail consumption in order to maintain adequate supplies of water for health and safety	Yes
6	Other	Reduces total water use by 20-25%	Turlock Municipal Code: 6-7-405(f)(3); If there is total well failure, disaster relief from outside the City of Turlock shall be required	Yes

NOTES: Per Turlock Municipal Code and Corresponding Ordinances.

Submittal Table 8-3: Supply Augmentation and Other Actions			
Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>			
1	Expand Public Information Campaign	1126	10% water demand reduction anticipated
1	Other Actions (describe)	1126	Offer Water Use Surveys: 10% water demand reduction anticipated
1	Other Actions (describe)	1126	Reduce System Water Loss: 10% water demand reduction anticipated
1	Other Actions (describe)	1126	Increase Water Waste Patrols: 10% water demand reduction anticipated
2	Expand Public Information Campaign	2251	10% water demand reduction anticipated in addition to demand reduction observed during shortage level 1
2	Other Actions (describe)	2251	Offer Water Use Surveys: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 1
2	Other Actions (describe)	2251	Reduce System Water Loss: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 1
2	Other Actions (describe)	2251	Increase Water Waste Patrols: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 1
3	Expand Public Information Campaign	3377	10% water demand reduction anticipated in addition to demand reduction observed during shortage level 2
3	Other Actions (describe)	3377	Offer Water Use Surveys: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 2
3	Other Actions (describe)	3377	Reduce System Water Loss: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 2
3	Other Actions (describe)	3377	Increase Water Waste Patrols: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 2
4	Expand Public Information Campaign	4503	10% water demand reduction anticipated in addition to demand reduction observed during shortage level 3
4	Other Actions (describe)	4503	Offer Water Use Surveys: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 3
4	Other Actions (describe)	4503	Reduce System Water Loss: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 3

Submittal Table 8-3: Supply Augmentation and Other Actions			
Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUdata online submittal tool</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>
4	Other Actions (describe)	4503	Increase Water Waste Patrols: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 3
5	Expand Public Information Campaign	5629	10% water demand reduction anticipated in addition to demand reduction observed during shortage level 4
5	Other Actions (describe)	5629	Offer Water Use Surveys: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 4
5	Other Actions (describe)	5629	Reduce System Water Loss: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 4
5	Other Actions (describe)	5629	Increase Water Waste Patrols: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 4
6	Expand Public Information Campaign	6754	10% water demand reduction anticipated in addition to demand reduction observed during shortage level 5
6	Other Actions (describe)	6754	Offer Water Use Surveys: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 5
6	Other Actions (describe)	6754	Reduce System Water Loss: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 5
6	Other Actions (describe)	6754	Increase Water Waste Patrols: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 5

NOTES: Volumes are in MG.
The amount of shortage gap reduction is based on reductions to the base water demand of 11,257 MG in 2025.

Submittal Table 10-1 Retail: Notification to Cities and Counties		
City Name	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
City of Turlock	Yes	Yes
City of Ceres	Yes	Yes
City of Hughson	Yes	Yes
City of Modesto	Yes	Yes
County Name <i>Drop Down List</i>	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
Stanislaus County	Yes	Yes
NOTES:		

DWR 2020 Urban Water Management Plan Checklist

(THIS PAGE LEFT BLANK INTENTIONALLY)

Appendix C

UWMP Checklist



Retail	Wholesale	2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (For Agency Review Use)
X	X	Chapter 1	10615	A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses, reclamation and demand management activities.	Introduction and Overview	Executive Summary
X	X	Chapter 1	10630.5	Each plan shall include a simple description of the supplier's plan including water availability, future requirements, a strategy for meeting needs, and other pertinent information. Additionally, a supplier may also choose to include a simple description at the beginning of each chapter.	Summary	Executive Summary
X	X	Section 2.2	10620(b)	Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.	Plan Preparation	Section 2.1
X	X	Section 2.6	10620(d)(2)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan Preparation	Section 2.5
X	X	Section 2.6.2	10642	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan and contingency plan.	Plan Preparation	Section 2.5.2
X		Section 2.6, Section 6.1	10631(h)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) - if any - with water use projections from that source.	System Supplies	Section 2.5.1
	X	N/A	10631(h)	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	N/A; City is not a Wholesale Supplier
X	X	Section 3.1	10631(a)	Describe the water supplier service area.	System Description	Section 3.2
X	X	Section 3.3	10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3
X	X	Section 3.4	10631(a)	Provide population projections for 2025, 2030, 2035, 2040 and optionally 2045.	System Description	Section 3.4.1
X	X	Section 3.4.2	10631(a)	Describe other social, economic, and demographic factors affecting the supplier's water management planning.	System Description	Section 3.4.2
X	X	Sections 3.4 and 5.4	10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.3
X	X	Section 3.5	10631(a)	Describe the land uses within the service area.	System Description	Section 3.5

Appendix C

UWMP Checklist



Retail	Wholesale	2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (For Agency Review Use)
X	X	Section 4.2	10631(d)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2
X	X	Section 4.3	10631(d)(3)(C)	Retail suppliers shall provide data to show the distribution loss standards were met.	System Water Use	Section 4.3
X	X	Section 4.2.6	10631(d)(4)(A)	In projected water use, include estimates of water savings from adopted codes, plans, and other policies or laws.	System Water Use	Section 4.4
X	X	Section 4.2.6	10631(d)(4)(B)	Provide citations of codes, standards, ordinances, or plans used to make water use projections.	System Water Use	Section 4.2.3
X	optional	Section 4.3.2.4	10631(d)(3)(A)	Report the distribution system water loss for each of the 5 years preceding the plan update.	System Water Use	Section 4.3
X	optional	Section 4.4	10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.4
X	X	Section 4.5	10635(b)	Demands under climate change considerations must be included as part of the drought risk assessment.	System Water Use	Section 4.2.3.1 and 4.5
X		Chapter 5	10608.20(e)	Retail suppliers shall provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.	Baselines and Targets	Section 5.5 and 5.6
X		Chapter 5	10608.24(a)	Retail suppliers shall meet their water use target by December 31, 2020.	Baselines and Targets	Section 5.6
	X	Section 5.1	10608.36	Wholesale suppliers shall include an assessment of present and proposed future measures, programs, and policies to help their retail water suppliers achieve targeted water use reductions.	Baselines and Targets	N/A; City is not a Wholesale Supplier
X		Section 5.2	10608.24(d)(2)	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	N/A; City is not adjusting its compliance GPCD (Section 5.6)
X		Section 5.5	10608.22	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5-year baseline. This does not apply if the suppliers base GPCD is at or below 100.	Baselines and Targets	Section 5.6
X		Section 5.5 and Appendix E	10608.4	Retail suppliers shall report on their compliance in meeting their water use targets. The data shall be reported using a standardized form in the SBX7-7 2020 Compliance Form.	Baselines and Targets	Section 5.6
X	X	Sections 6.1 and 6.2	10631(b)(1)	Provide a discussion of anticipated supply availability under a normal, single dry year, and a drought lasting five years, as well as more frequent and severe periods of drought.	System Supplies	Section 6.2 and Section 7.1.3

Appendix C UWMP Checklist



Retail	Wholesale	2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (For Agency Review Use)
X	X	Sections 6.1	10631(b)(1)	Provide a discussion of anticipated supply availability under a normal, single dry year, and a drought lasting five years, as well as more frequent and severe periods of drought, <i>including changes in supply due to climate change.</i>	System Supplies	Section 6.2, 6.2.10.1, 7.1.3
X	X	Section 6.1	10631(b)(2)	When multiple sources of water supply are identified, describe the management of each supply in relationship to other identified supplies.	System Supplies	Section 6.2
X	X	Section 6.1.1	10631(b)(3)	Describe measures taken to acquire and develop planned sources of water.	System Supplies	Section 6.2.1, 6.2.8, 6.2.9
X	X	Section 6.2.8	10631(b)	Identify and quantify the existing and planned sources of water available for 2020, 2025, 2030, 2035, 2040 and optionally 2045.	System Supplies	Section 6.2.9
X	X	Section 6.2	10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2.2
X	X	Section 6.2.2	10631(b)(4)(A)	Indicate whether a groundwater sustainability plan or groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.2.2.3 to 6.2.2.6
X	X	Section 6.2.2	10631(b)(4)(B)	Describe the groundwater basin.	System Supplies	Section 6.2.2.1
X	X	Section 6.2.2	10631(b)(4)(B)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.2.2.2
X	X	Section 6.2.2.1	10631(b)(4)(B)	For unadjudicated basins, indicate whether or not the department has identified the basin as a high or medium priority. Describe efforts by the supplier to coordinate with sustainability or groundwater agencies to achieve sustainable groundwater conditions.	System Supplies	Section 6.2.2.4
X	X	Section 6.2.2.4	10631(b)(4)(C)	Provide a detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years	System Supplies	Section 6.2.2.7
X	X	Section 6.2.2	10631(b)(4)(D)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Section 6.2.9
X	X	Section 6.2.7	10631(c)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.2.7
X	X	Section 6.2.5	10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.2.5.2
X	X	Section 6.2.5	10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.2.5.3

Appendix C UWMP Checklist



Retail	Wholesale	2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (For Agency Review Use)
X	X	Section 6.2.5	10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.2.5.4
X	X	Section 6.2.5	10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Section 6.2.5.4
X	X	Section 6.2.5	10633(f)	Describe the actions which may be taken to encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	System Supplies (Recycled Water)	Section 6.2.5.5
X	X	Section 6.2.5	10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.2.5.5
X	X	Section 6.2.6	10631(g)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.2.6
X	X	Section 6.2.5	10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area with quantified amount of collection and treatment and the disposal methods.	System Supplies (Recycled Water)	Section 6.2.5.2
X	X	Section 6.2.8, Section 6.3.7	10631(f)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and for a period of drought lasting 5 consecutive water years.	System Supplies	Section 6.2.8
X	X	Section 6.4 and Appendix O	10631.2(a)	The UWMP must include energy information, as stated in the code, that a supplier can readily obtain.	System Suppliers, Energy Intensity	Section 6.3
X	X	Section 7.2	10634	Provide information on the quality of existing sources of water available to the supplier and the manner in which water quality affects water management strategies and supply reliability	Water Supply Reliability Assessment	Section 7.1.1
X	X	Section 7.2.4	10620(f)	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Section 7.3
X	X	Section 7.3	10635(a)	Service Reliability Assessment: Assess the water supply reliability during normal, dry, and a drought lasting five consecutive water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years.	Water Supply Reliability Assessment	Section 7.1.3
X	X	Section 7.3	10635(b)	Provide a drought risk assessment as part of information considered in developing the demand management measures and water supply projects.	Water Supply Reliability Assessment	Section 7.2

Appendix C

UWMP Checklist



Retail	Wholesale	2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (For Agency Review Use)
X	X	Section 7.3	10635(b)(1)	Include a description of the data, methodology, and basis for one or more supply shortage conditions that are necessary to conduct a drought risk assessment for a drought period that lasts 5 consecutive years.	Water Supply Reliability Assessment	Section 7.2.1
X	X	Section 7.3	10635(b)(2)	Include a determination of the reliability of each source of supply under a variety of water shortage conditions.	Water Supply Reliability Assessment	Section 7.1.3
X	X	Section 7.3	10635(b)(3)	Include a comparison of the total water supply sources available to the water supplier with the total projected water use for the drought period.	Water Supply Reliability Assessment	Section 7.1.3.3
X	X	Section 7.3	10635(b)(4)	Include considerations of the historical drought hydrology, plausible changes on projected supplies and demands under climate change conditions, anticipated regulatory changes, and other locally applicable criteria.	Water Supply Reliability Assessment	Section 7.1.1 and Section 6.2.10
X	X	Chapter 8	10632(a)	Provide a water shortage contingency plan (WSCP) with specified elements below.	Water Shortage Contingency Planning	Section 8.2 and Appendix H
X	X	Chapter 8	10632(a)(1)	Provide the analysis of water supply reliability (from Chapter 7 of Guidebook) in the WSCP	Water Shortage Contingency Planning	Appendix H: Section 1.0
X	X	Section 8.10	10632(a)(10)	Describe reevaluation and improvement procedures for monitoring and evaluation the water shortage contingency plan to ensure risk tolerance is adequate and appropriate water shortage mitigation strategies are implemented.	Water Shortage Contingency Planning	Appendix H: Section 2.0 and Section 10
X	X	Section 8.2	10632(a)(2)(A)	Provide the written decision- making process and other methods that the supplier will use each year to determine its water reliability.	Water Shortage Contingency Planning	Appendix H: Section 2.0
X	X	Section 8.2	10632(a)(2)(B)	Provide data and methodology to evaluate the supplier's water reliability for the current year and one dry year pursuant to factors in the code.	Water Shortage Contingency Planning	Appendix H: Section 2.0
X	X	Section 8.3	10632(a)(3)(A)	Define six standard water shortage levels of 10, 20, 30, 40, 50 percent shortage and greater than 50 percent shortage. These levels shall be based on supply conditions, including percent reductions in supply, changes in groundwater levels, changes in surface elevation, or other conditions. The shortage levels shall also apply to a catastrophic interruption of supply.	Water Shortage Contingency Planning	Appendix H: Section 3.0
X	X	Section 8.3	10632(a)(3)(B)	Suppliers with an existing water shortage contingency plan that uses different water shortage levels must cross reference their categories with the six standard categories.	Water Shortage Contingency Planning	Appendix H: Section 3.0
X	X	Section 8.4	10632(a)(4)(A)	Suppliers with water shortage contingency plans that align with the defined shortage levels must specify locally appropriate supply augmentation actions.	Water Shortage Contingency Planning	Appendix H: Section 4.2

Appendix C UWMP Checklist



Retail	Wholesale	2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (For Agency Review Use)
X	X	Section 8.4	10632(a)(4)(B)	Specify locally appropriate demand reduction actions to adequately respond to shortages.	Water Shortage Contingency Planning	Appendix H: Section 4.1
X	X	Section 8.4	10632(a)(4)(C)	Specify locally appropriate operational changes.	Water Shortage Contingency Planning	Appendix H: Section 4.3
X	X	Section 8.4	10632(a)(4)(D)	Specify additional mandatory prohibitions against specific water use practices that are in addition to state-mandated prohibitions are appropriate to local conditions.	Water Shortage Contingency Planning	Appendix H: Section 4.1
X	X	Section 8.4	10632(a)(4)(E)	Estimate the extent to which the gap between supplies and demand will be reduced by implementation of the action.	Water Shortage Contingency Planning	Appendix H: Section 4.1
X	X	Section 8.4.6	10632.5	The plan shall include a seismic risk assessment and mitigation plan.	Water Shortage Contingency Plan	Section 8.3
X	X	Section 8.5	10632(a)(5)(A)	Suppliers must describe that they will inform customers, the public and others regarding any current or predicted water shortages.	Water Shortage Contingency Planning	Appendix H: Section 5.0
X	X	Section 8.5 and 8.6	10632(a)(5)(B) 10632(a)(5)(C)	Suppliers must describe that they will inform customers, the public and others regarding any shortage response actions triggered or anticipated to be triggered and other relevant communications.	Water Shortage Contingency Planning	Appendix H: Section 5.0
X		Section 8.6	10632(a)(6)	Retail supplier must describe how it will ensure compliance with and enforce provisions of the WSCP.	Water Shortage Contingency Planning	Appendix H: Section 6.0
X	X	Section 8.7	10632(a)(7)(A)	Describe the legal authority that empowers the supplier to enforce shortage response actions.	Water Shortage Contingency Planning	Appendix H: Section 7.0
X	X	Section 8.7	10632(a)(7)(B)	Provide a statement that the supplier will declare a water shortage emergency per Water Code Chapter 3.	Water Shortage Contingency Planning	Appendix H: Section 7.0
X	X	Section 8.7	10632(a)(7)(C)	Provide a statement that the supplier will coordinate with any city or county within which it provides water for the possible proclamation of a local emergency.	Water Shortage Contingency Planning	Appendix H: Section 2.1, 4.4, 5.1 and 7.0
X	X	Section 8.8	10632(a)(8)(A)	Describe the potential revenue reductions and expense increases associated with activated shortage response actions.	Water Shortage Contingency Planning	Appendix H: Section 8.0
X	X	Section 8.8	10632(a)(8)(B)	Provide a description of mitigation actions needed to address revenue reductions and expense increases associated with activated shortage response actions.	Water Shortage Contingency Planning	Appendix H: Section 8.0
X		Section 8.8	10632(a)(8)(C)	Retail suppliers must describe the cost of compliance with Water Code Chapter 3.3: Excessive Residential Water Use During Drought	Water Shortage Contingency Planning	Appendix H: Section 8.0

Appendix C UWMP Checklist



Retail	Wholesale	2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (For Agency Review Use)
X		Section 8.9	10632(a)(9)	Retail suppliers must describe the monitoring and reporting requirements and procedures that ensure appropriate data is collected, tracked, and analyzed for purposes of monitoring customer compliance.	Water Shortage Contingency Planning	Appendix H: Section 9.0 and 10.1
X		Section 8.11	10632(b)	Analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas.	Water Shortage Contingency Planning	Appendix H: Section 11.0
X	X	Sections 8.12 and 10.4	10635(c)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 30 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Appendix H: Section 12.0
X	X	Section 8.14	10632(c)	Make available the Water Shortage Contingency Plan to customers and any city or county where it provides water within 30 days after adoption of the plan.	Water Shortage Contingency Planning	Appendix H: Section 12.0
	X	Sections 9.1 and 9.3	10631(e)(2)	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	N/A; City is not a Wholesale supplier
X		Sections 9.2 and 9.3	10631(e)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Section 9.2
X		Chapter 10	10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets (recommended to discuss compliance).	Plan Adoption, Submittal, and Implementation	Section 10.3
X	X	Section 10.2.1	10621(b)	Notify, at least 60 days prior to the public hearing, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. Reported in Table 10-1.	Plan Adoption, Submittal, and Implementation	Section 10.2 and Appendix D
X	X	Section 10.4	10621(f)	Each urban water supplier shall update and submit its 2020 plan to the department by July 1, 2021.	Plan Adoption, Submittal, and Implementation	Section 10.4
X	X	Sections 10.2.2, 10.3, and 10.5	10642	Provide supporting documentation that the urban water supplier made the plan and contingency plan available for public inspection, published notice of the public hearing, and held a public hearing about the plan and contingency plan.	Plan Adoption, Submittal, and Implementation	Section 10.2.2 and Appendix D
X	X	Section 10.2.2	10642	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Section 10.2.2
X	X	Section 10.3.2	10642	Provide supporting documentation that the plan and contingency plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.2 and Appendix L

Appendix C UWMP Checklist



Retail	Wholesale	2020 Guidebook Location	Water Code Section	Summary as Applies to UWMP	Subject	2020 UWMP Location (For Agency Review Use)
X	X	Section 10.4	10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4
X	X	Section 10.4	10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Section 10.4
X	X	Sections 10.4.1 and 10.4.2	10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Section 10.4
X	X	Section 10.5	10645(a)	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5
X	X	Section 10.5	10645(b)	Provide supporting documentation that, not later than 30 days after filing a copy of its water shortage contingency plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5
X	X	Section 10.6	10621(c)	If supplier is regulated by the Public Utilities Commission, include its plan and contingency plan as part of its general rate case filings.	Plan Adoption, Submittal, and Implementation	N/A
X	X	Section 10.7.2	10644(b)	If revised, submit a copy of the water shortage contingency plan to DWR within 30 days of adoption.	Plan Adoption, Submittal, and Implementation	Section 10.6



Appendix D

Agency and Public Notices

(THIS PAGE LEFT BLANK INTENTIONALLY)

From: Danae Lawrence
Sent: Wednesday, January 27, 2021 8:43 AM
To: Danae Lawrence <DLawrence@turlock.ca.us>
Cc: Carl Brown <CBrown@turlock.ca.us>
Subject: City of Turlock 2020 Urban Water Management Plan

Good morning,

Please see attached a Notice of Preparation of a 2020 Urban Water Management Plan for the City of Turlock.

You are receiving this notice because you may be interested in this effort and/or represent urban areas served by the City of Turlock.

Thank you,

Danae Lawrence
Staff Services Technician

City of Turlock – Municipal Services
156 S. Broadway, Ste. 270
Turlock, CA 95380
209-668-5590, ext. 4424



CARL BROWN
UTILITIES MANAGER

MUNICIPAL SERVICES DEPARTMENT
CBROWN@TURLOCK.CA.US

156 S. BROADWAY, SUITE 270 | TURLOCK, CALIFORNIA 95380 | PHONE 209-668-5590 | FAX 209-668-5695 | TDD 1-800-735-2929

January 26, 2021

SUBJECT: Preparation of 2020 Urban Water Management Plan and Water Shortage Contingency Plan

To Whom it May Concern:

The City of Turlock (City) is currently in the process of updating its Urban Water Management Plan (UWMP) and Water Shortage Contingency Plan (WSCP). The Urban Water Management Planning Act, Water Code Section 10610 et seq., requires every urban water supplier providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually to prepare and adopt an UWMP and periodically update that plan at least every five years. Further, changes to the Act since 2015 require updates to the City's WSCP. The City's 2015 UWMP was adopted in June 2016, and the City's 2020 UWMP is required to be submitted to the California Department of Water Resources by July 1, 2021.

The UWMP is a planning document and a source document which reports, describes and evaluates water deliveries and uses, water supply sources and conservation efforts. The WSCP provides a plan for response to various water supply shortage conditions. As an urban water supplier, the City coordinates with water management agencies, relevant public agencies and other water suppliers on the preparation of the UWMP and WSCP updates. The City will be reviewing the UWMP and WSCP and will make amendments and updates, as appropriate.

If you wish to contact the City about its review process, you may do so by writing to the undersigned or by email to CBrown@turlock.ca.us.

Sincerely,

Carl Brown
Utilities Manager, City of Turlock Municipal Services Department

Contacts	Emails	Name:	NOTES:
SRWA	granberryassociates@gmail.com	Robert Granberg	
East Stanislaus Integrated Regional Water Management	jalves@modestogov.com	Jim Alves	
North Valley Regional Recycled Water Program	ahansen@delpuerrewater.org	Anthea Hansen	Associate Civil Engineer
Merced County	dherffelder@co.merced.ca.us	Mr. Dana S. Herffelder, P.E.	Director
TID	mreimers@TID.org	Michelle Reimers	General Manager
City of Modesto	joelopez@modestogov.com	Joseph Lopez	City Manager
City of Ceres	Tom.Westbrook@ci.ceres.ca.us	Tom Westbrook	City Manager & Economic Development Director
City of Hughson	mmayhew@hughson.org	Merry Mayhew	City Manager
Eastside Water District	jim-johnson@denaircsd.com	Jim Johnson	Chairman
Denair CSD	jgomes@denaircsd.org	Jenny Gomes	Ron Allen retired, the new chairman wont be decided until their January meeting
Keyes CSD	egarza@keyescsd.org	Ernie Garza	
Stanislaus County Public Works Department	leamond@stancounty.com	David Leannon	
CSU Stanislaus	MMaffei@eastshore-facilities-services@csustan.edu	Ms. Melody Maffei	Melody Maffei retired, forwarded email to given address
Turlock GSA	deliebersbach@tid.org	Debbie Liebersbach	Chair
Merced ID	petal@mercedtid.org	Hicham Etal	Deputy General Manager, Water Supply/Rights
Modesto Irrigation District	john.davids@mild.org	John Davids	
City of Turlock	ghampton@turlock.ca.us	Gary R. Hampton	Acting City Manager
East and West Turlock GSA's	turlockgroundwater@gmail.com		

(THIS PAGE LEFT BLANK INTENTIONALLY)

Affidavit of Publication

PUBLIC NOTICE

STATE OF CALIFORNIA,
County of Stanislaus

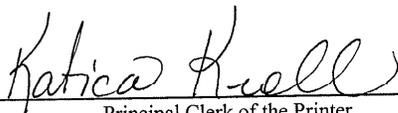
KATICA KROLL

Of the said County, being duly sworn, deposes and says:

I am a citizen of the United States and a resident of the county aforesaid; I am over the age of twenty-one years, and not a party to or interested in the above entitled matter. I am the principal clerk of THE TURLOCK DAILY JOURNAL, 121 South Center Street, 2nd Floor, Turlock, California, a newspaper of general circulation, published in Turlock, California in the City of Turlock, County of Stanislaus, and which newspaper has been adjudged a newspaper of general circulation, by the Superior Court of the County of Stanislaus, State of California. That the notice, of which the annexed is a printed copy (set in type not smaller than nonpareil), has been published in each regular and entire issue of said newspaper

MAY 8, 15, 2021

I certify (or declare) under penalty of perjury that the foregoing is true and correct, this 15th day of May, 2021.


Principal Clerk of the Printer

PUBLIC NOTICE

PUBLIC NOTICE

NOTICE OF PUBLIC HEARING BY THE CITY COUNCIL OF THE CITY OF TURLOCK

Public hearing will be held on **TUESDAY, MAY 25, 2021 AT 6:00 P.M.**, in the Yosemite Community Room (Council Chambers) of the Turlock City Hall, 156 S. Broadway, Turlock, CA, to consider the adoption of the **2020 Update to the Urban Water Management Plan and the Water Shortage Contingency Plan**. In accordance with the Urban Water Management Planning Act (California Water Code Sections 10610 – 10657), the City of Turlock is required to update its Urban Water Management Plan (UWMP) and submit it to the State of California's Department of Water Resources (DWR) by July 1, 2021. In addition, DWR has imposed new requirements for urban water suppliers to adopt a Water Shortage Contingency Plan (WSCP).

The City of Turlock will release the Draft UWMP and draft WSCP on May 11, 2021. The Draft UWMP and WSCP will be available for public review and comment through the end of the public hearing described above. The Draft UWMP and WSCP can be viewed on the City of Turlock's website (www.cityofturlock.org). For questions or more information on the Draft UWMP and WSCP, please contact Carl Brown, Interim Deputy Director, City of Turlock Municipal Services Department at (209) 668-5590.

Both verbal and written public comments on the proposed updates to the 2020 Draft Urban Water Management Plan and Water Shortage Contingency Plan are invited at the public hearing. Written comments may also be provided prior to the public hearing via: (a) hand-delivered or mailed letter to the City of Turlock Municipal Services Department, Attn: Carl Brown, 156 S. Broadway, Suite 270, Turlock, CA 95380, or (b) email to cbrown@turlock.ca.us. Written comments submitted in advance will receive the same attention as comments received at the public hearing; however, they must be received no later than Friday, May 21, 2021 at 5:00 p.m.

The public hearing will be held to consider and adopt proposed revisions and updates to the 2020 Draft Urban Water Management Plan and Water Shortage Contingency Plan.

Challenges in court to any of the items identified in this public notice may be limited to only those issues raised at the public hearing described in this notice, or in written correspondence delivered to the Turlock City Council at, or prior to, the public hearing.

Pursuant to California Constitution Article III, Section 6, establishing English as the official language for the State of California, notice is hereby given that all proceedings before the Turlock City Council shall be in English and anyone wishing to address the Council is required to have a translator present who will take an oath to make an accurate translation from any language not English into the English language.

/s/ Jennifer Land,
City Clerk, City of Turlock
Publish: 5/8/21 & 5/15/21
TJ#05-07

(THIS PAGE LEFT BLANK INTENTIONALLY)



CARL BROWN
INTERIM DEPUTY DIRECTOR

MUNICIPAL SERVICES DEPARTMENT
CBROWN@TURLOCK.CA.US

156 S. BROADWAY, SUITE 270 | TURLOCK, CALIFORNIA 95380 | PHONE 209-668-5590 | FAX 209-668-5695 | TDD 1-800-735-2929

May 10, 2021

Re: Review of the City of Turlock's Urban Water Management Plan and Water Shortage Contingency Plan

To Whom it May Concern,

This letter is to notify you that the City of Turlock will be reviewing and considering amendments and changes to its Urban Water Management Plan (UWMP) and Water Shortage Contingency Plan (WSCP). We invite your agency's participation in this process.

The City of Turlock's draft 2020 UWMP and WSCP can be viewed at <https://ci.turlock.ca.us/watersewergarbage/waterconservation/urbanwatermanagementplan.asp>

The City of Turlock will hold a public hearing May 25, 2021 at 6:00 pm in the Yosemite Room at the City of Turlock's City Hall located at 156 South Broadway. The purpose of the public hearing will be to consider the proposed revisions and updates to the UWMP and WSCP. It is anticipated to formally adopt the 2020 UWMP and WSCP following the public hearing.

If you have any questions about the City's UWMP or WSCP, please contact Carl Brown Interim Deputy Director at 209-668-5590 or CBrown@turlock.ca.us.

Sincerely,

Carl Brown
Interim Deputy Director, City of Turlock Municipal Services Department

(THIS PAGE LEFT BLANK INTENTIONALLY)

Turlock SB X7-7 Compliance Form

(THIS PAGE LEFT BLANK INTENTIONALLY)

SB X7-7 Table 0: Units of Measure Used in UWMP* *(select one from the drop down list)*

Million Gallons

**The unit of measure must be consistent with Submittal Table 2-3*

NOTES:

SB X7-7 Table-1: Baseline Period Ranges

Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	8,489	Million Gallons
	2008 total volume of delivered recycled water	361	Million Gallons
	2008 recycled water as a percent of total deliveries	4%	See Note 1
	Number of years in baseline period ^{1,2}	10	Years
	Year beginning baseline period range	1997	
	Year ending baseline period range ³	2006	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2003	
	Year ending baseline period range ⁴	2007	
<p>¹ If the 2008 recycled water delivery is less than 10 percent of total water deliveries, then the 10-15year baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater of total deliveries, the 10-15 year baseline period is a continuous 10- to 15-year period.</p>			
<p>² The Water Code requires that the baseline period is between 10 and 15 years. However, DWR recognizes that some water suppliers may not have the minimum 10 years of baseline data.</p>			
<p>³ The ending year for the 10-15 year baseline period must be between December 31, 2004 and December 31, 2010.</p>			
<p>⁴ The ending year for the 5 year baseline period must be between December 31, 2007 and December 31, 2010.</p>			
<p>NOTES:</p>			

SB X7-7 Table 2: Method for Population Estimates

Method Used to Determine Population (may check more than one)	
<input checked="" type="checkbox"/>	1. Department of Finance (DOF) or American Community Survey (ACS)
<input type="checkbox"/>	2. Persons-per-Connection Method
<input type="checkbox"/>	3. DWR Population Tool
<input type="checkbox"/>	4. Other DWR recommends pre-review
NOTES:	

SB X7-7 Table 3: Service Area Population		
Year	Population	
10 to 15 Year Baseline Population		
Year 1	1997	51,254
Year 2	1998	52,227
Year 3	1999	53,635
Year 4	2000	55,811
Year 5	2001	58,061
Year 6	2002	59,846
Year 7	2003	61,439
Year 8	2004	63,242
Year 9	2005	65,301
Year 10	2006	65,674
<i>Year 11</i>		
<i>Year 12</i>		
<i>Year 13</i>		
<i>Year 14</i>		
<i>Year 15</i>		
5 Year Baseline Population		
Year 1	2003	61,439
Year 2	2004	63,242
Year 3	2005	65,301
Year 4	2006	65,674
Year 5	2007	66,784
NOTES: Populations are from the Department of Finance.		

SB X7-7 Table 4: Annual Gross Water Use *

Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Into Distribution System <i>This column will remain blank until SB X7-7 Table 4-A is completed.</i>	Deductions					Million Gallons
		Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water <i>This column will remain blank until SB X7-7 Table 4-B is completed.</i>	Water Delivered for Agricultural Use	Process Water <i>This column will remain blank until SB X7-7 Table 4-D is completed.</i>	Annual Gross Water Use
10 to 15 Year Baseline - Gross Water Use							
Year 1	1997	6,852		-		-	6,852
Year 2	1998	6,179		-		-	6,179
Year 3	1999	6,930		-		-	6,930
Year 4	2000	7,464		-		-	7,464
Year 5	2001	7,489		-		-	7,489
Year 6	2002	8,184		-		-	8,184
Year 7	2003	8,186		-		-	8,186
Year 8	2004	8,299		-		-	8,299
Year 9	2005	8,293		-		-	8,293
Year 10	2006	8,255		-		-	8,255
Year 11	0	-		-		-	-
Year 12	0	-		-		-	-
Year 13	0	-		-		-	-
Year 14	0	-		-		-	-
Year 15	0	-		-		-	-
10 - 15 year baseline average gross water use							7,613
5 Year Baseline - Gross Water Use							
Year 1	2003	8,186		-		-	8,186
Year 2	2004	8,299		-		-	8,299
Year 3	2005	8,293		-		-	8,293
Year 4	2006	8,255		-		-	8,255
Year 5	2007	8,359		-		-	8,359
5 year baseline average gross water use							8,278
* Units of measure (AF, MG , or CCF) must remain consistent throughout the UWMP, as reported in Table 2-3.							
NOTES:							

SB X7-7 Table 4-A: Volume Entering the Distribution System(s)

Complete one table for each source.

Name of Source Groundwater

This water source is:

The supplier's own water source

A purchased or imported source

Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Entering Distribution System¹	Meter Error Adjustment² <i>Optional (+/-)</i>	Corrected Volume Entering Distribution System
---	--	--	--

10 to 15 Year Baseline - Water into Distribution System

Year 1	1997	6,852	6,852
Year 2	1998	6,179	6,179
Year 3	1999	6,930	6,930
Year 4	2000	7,464	7,464
Year 5	2001	7,489	7,489
Year 6	2002	8,184	8,184
Year 7	2003	8,186	8,186
Year 8	2004	8,299	8,299
Year 9	2005	8,293	8,293
Year 10	2006	8,255	8,255
Year 11	0		-
Year 12	0		-
Year 13	0		-
Year 14	0		-
Year 15	0		-

5 Year Baseline - Water into Distribution System

Year 1	2003	8,186	8,186
Year 2	2004	8,299	8,299
Year 3	2005	8,293	8,293
Year 4	2006	8,255	8,255
Year 5	2007	8,359	8,359

¹ **Units of measure** (AF, MG, or CCF) must remain consistent throughout the UWMP, as reported in Table 2-3.

² **Meter Error Adjustment** - See guidance in Methodology 1, Step 3 of Methodologies Document

NOTES: Although gross water use should include water entering the City's distribution system that is treated and untreated, the City did not start keeping records of non-potable park irrigation wells until 2008. Therefore, the 2020 volume number does not include the 445 Million Gallons of non-potable park irrigation water that was supplied in 2020 so that the comparison between 2020 and the 10 Year and 5 Year Baselines were most accurate.

SB X7-7 Table 5: Baseline Gallons Per Capita Per Day (GPCD)

Baseline Year <i>Fm SB X7-7 Table 3</i>		Service Area Population <i>Fm SB X7-7 Table 3</i>	Annual Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use (GPCD)
10 to 15 Year Baseline GPCD				
Year 1	1997	51,254	6,852	366
Year 2	1998	52,227	6,179	324
Year 3	1999	53,635	6,930	354
Year 4	2000	55,811	7,464	366
Year 5	2001	58,061	7,489	353
Year 6	2002	59,846	8,184	375
Year 7	2003	61,439	8,186	365
Year 8	2004	63,242	8,299	360
Year 9	2005	65,301	8,293	348
Year 10	2006	65,674	8,255	344
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	
10-15 Year Average Baseline GPCD				356
5 Year Baseline GPCD				
Baseline Year <i>Fm SB X7-7 Table 3</i>		Service Area Population <i>Fm SB X7-7 Table 3</i>	Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use
Year 1	2003	61,439	8,186	365
Year 2	2004	63,242	8,299	360
Year 3	2005	65,301	8,293	348
Year 4	2006	65,674	8,255	344
Year 5	2007	66,784	8,359	343
5 Year Average Baseline GPCD				352
NOTES:				

SB X7-7 Table 6: Baseline GPCD		<i>Summary</i>
<i>From Table SB X7-7 Table 5</i>		
10-15 Year Baseline GPCD		356
5 Year Baseline GPCD		352
NOTES:		

SB X7-7 Table 7: 2020 Target Method*Select Only One*

Target Method		Supporting Tables
<input checked="" type="checkbox"/>	Method 1	SB X7-7 Table 7A
<input type="checkbox"/>	Method 2	SB X7-7 Tables 7B, 7C, and 7D
<input type="checkbox"/>	Method 3	SB X7-7 Table 7-E
<input type="checkbox"/>	Method 4	Method 4 Calculator <i>Located in the WUE Data Portal at wuedata.water.ca.gov Resources button</i>

NOTES:

SB X7-7 Table 7-A: Target Method 1

20% Reduction

10-15 Year Baseline GPCD	2020 Target GPCD
356	284
NOTES:	

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target

5 Year Baseline GPCD From SB X7-7 Table 5	Maximum 2020 Target ¹	Calculated 2020 Target ²			Confirmed 2020 Target ⁴
		As calculated by supplier in this SB X7-7 Verification Form	Special Situations ³		
			Prorated 2020 Target	Population Weighted Average 2020 Target	
352	334	284			284

¹ **Maximum 2020 Target** is 95% of the 5 Year Baseline GPCD except for suppliers at or below 100 GPCD.

² **Calculated 2020 Target** is the target calculated by the Supplier based on the selected Target Method, see SB X7-7 Table 7 and corresponding tables for agency's calculated target. Supplier may only enter one calculated target.

³ **Prorated targets and population weighted target** are allowed for special situations only. These situations are described in Appendix P, Section P.3

⁴ **Confirmed Target** is the lesser of the Calculated 2020 Target (C5, D5, or E5) or the Maximum 2020 Target (Cell B5)

NOTES:

(THIS PAGE LEFT BLANK INTENTIONALLY)

TID SRWA Water Sales Agreement

(THIS PAGE LEFT BLANK INTENTIONALLY)

**AMENDMENT NO. 1
TO TID/SRWA WATER SALES AGREEMENT**

THIS AMENDMENT TO AGREEMENT is made this April 16, 2020, between Turlock Irrigation District, a local government agency (**District**), and Stanislaus Regional Water Authority, a joint powers authority (**SRWA**), who agree as follows:

1. Recitals. The parties approve this Amendment with reference to the following background recitals:

1.1. On July 28, 2015, the parties entered into the Water Sales Agreement (the **Agreement**), which is on file in the District and SRWA offices.

1.2. The parties now desire to amend the Agreement to reflect changed circumstances and make other changes and clarifications. Capitalized terms in this Amendment shall have the same meanings as set forth in the Agreement.

2. Amendments to Agreement. The parties amend the Agreement as follows:

2.1. Section 1, subsection (b) is amended to read as follows:

(b) Closing Date - The date on which the Parties close escrow on the purchase and transfer of the treatment plant site pursuant to section 11(d).

2.2. Section 2, subsection (b) (CEQA) is amended by adding the following:

In 2018, after the 2015 approval of the Agreement, SRWA certified the Surface Water Supply Project Final Environmental Impact Report (**EIR**) for the Regional Surface Water Supply Project and approved the Project pursuant to the California Environmental Quality Act and CEQA Guidelines. The approval of this Amendment is consistent with and achieves the purposes as evaluated and approved in the 2018 EIR.

2.3. Section 2, subsections (c) and (d) are amended to read as follows:

(c) Water Rights. District submitted a water right petition to the State Water Resources Control Board (**SWRCB**) for a long-term transfer of a maximum of 17,375 acre feet of water per year of District's post-1914 water rights (SWRCB License 11058) and Water Code section 1735 et seq. to SRWA, to add the District Delivery Facilities as a point of diversion, and to add municipal and industrial as an authorized purpose of use. District will use commercially reasonable efforts to pursue and process the petition and SRWA will reasonably cooperate in District's request. District retains the sole discretion to (1) determine whether any terms and conditions that the SWRCB may impose pursuant to the change petition are acceptable, (2) and to determine whether Transfer Water will be delivered under the District's pre-1914 water rights, the District's post-1914 water rights, or some combination of both.

(d) SWRCB's Failure to Approve Section 2(c) Petition. In the event that District cannot obtain the SWRCB approval of the License 11058 water right change petition described in section 2(c) on terms and conditions acceptable to District in District's sole discretion, then District will deliver Transfer Water to SRWA under the District's pre-1914 water rights, the District's post-1914 water rights, or some combination of both..

2.4. Section 3, subsection (a) is amended to read as follows:

(a) Sale of Water. Subject to the delivery limitations, the Offset Water requirements, and other terms and conditions of this Agreement, District shall make continuously available to SRWA up to 30,000 acre feet of Transfer Water per year in accordance with section 4. District will make such Transfer Water available to SRWA within the scope of District's water rights as described in section 2(c).

2.5. Section 4, subsection (c) is amended to read as follows:

(c) Measurement of Water Delivered. SRWA will measure all water delivered to SRWA and all water diverted through the District Delivery Facilities but which are delivered to the Ceres Main Canal and not to the SRWA. SRWA will keep and maintain accurate and complete measurement records. SRWA will install, operate, and maintain water metering equipment that are reasonably acceptable to both Parties at all delivery points for water from the District Delivery Facilities to the SRWA and to the District's Ceres Main Canal. The meters shall be examined, tested and serviced regularly by the SRWA to maintain their accuracy in accordance with the meter manufacturer's written recommendations. The District may inspect the metering equipment and the measurement records during regular business hours upon reasonable notice. The SRWA will provide the District with instrumentation output signals for water flow rate and water pressure information at each meter. District retains the right to install reciprocal measuring devices that comply with the same standards and procedures set forth above. Disparities between District and SRWA measurements will be resolved pursuant to Section 12, Resolution of Differences, of this Agreement.

2.6. Section 4, subsection (h) (Curtailed Delivery for Maintenance Purposes) is deleted.

2.7. Section 4, subsection (k) is amended to read as follows:

(k) The District will pay all reasonable costs associated with obtaining any and all approvals to use Recycled Water for irrigation purposes, whether or not such approvals are issued or obtained, including any attorney and filing fees. District shall obtain all permits necessary from the SWRCB Regional Water Quality Control Board, or any other federal, state, or local government agency with jurisdiction to use Recycled Water for irrigation purposes. SRWA agrees to provide assistance and all relevant and available information to the District for its uses in obtaining these permits. If the District cannot obtain all of the required approvals and permits on

terms and conditions acceptable to the District in the District's sole discretion by the time Transfer Water deliveries commence, SRWA will purchase the undelivered Recycled Water from the District in the same amount per acre foot that the City of Turlock receives for recycled water under the North Valley Regional Recycled Water Program until such approvals and permits are obtained.

2.8. Section 7, subsection (c) is amended to read as follows:

(c) Administration and Fees. District may elect to deliver water under this Agreement pursuant to one or both of the following:

(1) For the License 11058 water right supply option, SRWA will pay all costs associated with filing the water right change petition for and obtaining the long term water transfer from the SWRCB, whether or not the petition is successful. This includes attorney and filing fees, and any costs associated with implementing the water transfer. District will issue monthly billing statements for these costs as they accrue. Payment will be due and payable within thirty (30) days of issuance by the District.

(2) If pre-1914 water is transferred, SRWA will reimburse District for all liabilities and costs, including attorneys' fees, associated with delivering the pre-1914 rights under this Agreement, and defending any claims or challenges to the use of those water rights for purposes of this Agreement, including, but not limited to, any challenge under Water Code sections 1702, 1706, 1725 or stream adjudication. District will issue monthly billing statements for these costs as they accrue. Payment will be due and payable within thirty (30) days of issuance by the District.

2.9. Section 7, subsection (f) is amended to read as follows:

(f) Use of District Delivery Facilities; Cost Sharing. The Parties recognize and agree that the District Delivery Facilities will be used for the following purposes: (1) to divert and deliver the Transfer Water to the SRWA, (2) to divert and deliver water for District agricultural uses, or (3) to divert and deliver water for District agricultural uses if water was ordered by the SRWA pursuant to the Delivery Schedule but cannot be used by the SRWA after the water is released at La Grange Dam because of an emergency or operational problem at the water treatment plant or in the Project's treated water transmission system. Uses (1) and (3) shall cumulatively be called "**SRWA Water Use.**" Use (2) shall be called "**District Water Use.**" Upon SRWA's completion of construction of the District Delivery Facilities, the water diverted and delivered through the District Delivery Facilities will be used initially in the SRWA member agency public water systems and other community water systems within District boundaries that may become SRWA wholesale treated water customers.

Because SRWA initially will have sole use of the District Delivery Facilities, the SRWA shall operate, maintain, and, as necessary, repair and replace the District Delivery Facilities, and pay for 100% of the costs described in subsection (e) (the "**Operating and Maintenance Costs**") until such time that District commences regular District Water Use and there is dual use of the District Delivery Facilities by

both Parties. Once dual use of the District Delivery Facilities has begun, the SRWA's annual share and payment of the Operation and Maintenance Costs shall be calculated as follows: In acre feet, SRWA Water Use divided by the sum of SRWA Water Use and District Water Use pumped through the pump station during the Year with the resulting quotient expressed as a percentage. The total annual Operation and Maintenance Costs shall be multiplied by the resulting quotient expressed as a percentage. The product shall be the percentage share of annual Operation and Maintenance Costs payable by the SRWA. SRWA shall invoice District for the remaining percentage share of Operation and Maintenance Costs for District Water Use and District will pay any such invoice to SRWA pursuant to the budget and billing provisions set forth below. SRWA shall begin implementing the budget, billing, and collection procedures in subsection (g) when and after District commences regular District Water Use and there is dual use of the District Delivery Facilities by both Parties and shared Operation and Maintenance Costs.

2.10. Section 9, subsection (a) is amended to read as follows:

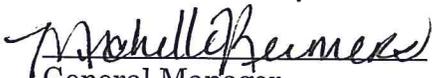
(a) Rate Sufficiency Covenant. SRWA covenants and agrees to bill and collect payments from the SRWA member agencies for the water provided to the Project sufficient to provide revenues adequate to meet its obligations under this Agreement.

2.11. Section 11, subsection (d) is amended to read as follows:

(d) Ownership of Real Property. District agrees to sell the treatment plant site, subject to a reservation of such easements for the District's pipelines to the treatment plant from the pump station and from the treatment plant to the Ceres Main Canal, to the SRWA at a sales price of \$1,436,674.00 payable to the District. Upon execution of Amendment No. 1 to the TID/SRWA Water Sales Agreement by both Parties, the Parties shall proceed expeditiously to open escrow with a mutually acceptable title company and to process and close escrow on the purchase and transfer of the site. The Parties agree that should the treatment plant not be completed by 2028, the District will have the option to require SRWA to reconvey the treatment plant site to the District at the sales price of \$1,436,674.00. A legal description and parcel map of the treatment plant site is attached hereto as Exhibit "A" and incorporated herein by reference. SRWA will acquire such additional lands and/or easements to complete, operate and maintain the treatment plant and treated water delivery pipelines and facilities.

3. No Effect on Other Provisions. Except for the amendments in Section 2, the remaining provisions of the Agreement are unaffected and remain in full force and effect.

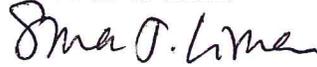
TURLOCK IRRIGATION DISTRICT

By: 
General Manager

Attest:


Secretary

Approved as to form:


General Counsel

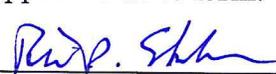
STANISLAUS REGIONAL WATER AUTHORITY

By: 
General Manager

Attest:


Secretary

Approved as to form:


General Counsel

(THIS PAGE LEFT BLANK INTENTIONALLY)

Appendix G

West Turlock GSA and East Turlock GSA Memorandum of Understanding

(THIS PAGE LEFT BLANK INTENTIONALLY)

MEMORANDUM OF AGREEMENT
BETWEEN THE WEST TURLOCK SUBBASIN GROUNDWATER SUSTAINABILITY
AGENCY AND THE EAST TURLOCK SUBBASIN GROUNDWATER
SUSTAINABILITY AGENCY

THIS AGREEMENT is entered into and effective this 14th day of December, 2017 (“**Effective Date**”), by and among the West Turlock Subbasin Groundwater Sustainability Agency (“**WTS GSA**”) and the East Turlock Subbasin Groundwater Sustainability Agency (“**ETS GSA**”) (collectively “**Parties**” or individually a “**Party**”).

RECITALS

A. On August 29, 2014, the California Legislature passed comprehensive groundwater legislation contained in SB 1168, SB 1319 and AB 1739. Collectively, those bills, as subsequently amended, enacted the “Sustainable Groundwater Management Act” (“**SGMA**”). Governor Brown signed the legislation on September 16, 2014 and it became effective on January 1, 2015.

B. Each of the Parties overlies the San Joaquin Valley Groundwater Basin, Turlock Subbasin, California Department of Water Resources (“**DWR**”) Basin No. 5-22.03 as its boundaries may be modified from time to time in accordance with Water Code Section 10722.2 (the “**Basin**”).

C. The WTS GSA elected to manage the groundwater over the boundaries of its members and act as the Groundwater Sustainability Agency (“**GSA**”) pursuant to SGMA with the DWR on or about March 27, 2017.

D. The ETS GSA elected to manage the groundwater over the boundaries of its members and act as the GSA pursuant to SGMA with the DWR on or about April 3, 2017.

E. The members of the WTS GSA and ETS GSA have previously collaborated on groundwater management through membership in the Turlock Groundwater Basin Association.

F. The Parties desire, through this Agreement, to coordinate the work of the GSAs and the management of the Basin, in accordance with SGMA.

G. The Parties plan to review this Agreement and the provisions therein after a joint GSP has been developed or in 2022, whichever occurs earlier.

THEREFORE, in consideration of the mutual promises, covenants and conditions herein set forth, the Parties agree as follows:

ARTICLE 1: DEFINITIONS

1.1 **Definitions.** As used in this Agreement, unless the context requires otherwise, the meaning of the terms hereinafter set forth shall be as follows:

- a. **“Agreement”** shall mean this Agreement between the WTS GSA and the ETS GSA.
- b. **“Basin”** shall mean Turlock Groundwater Subbasin, California Department of Water Resources Basin No. 5-22.03 as its boundaries may be modified from time to time in accordance with Water Code Section 10722.2.
- c. **“Basin-Wide Activities”** shall mean those activities or actions that affect the Basin as a whole, or are otherwise required by SGMA to be determined as the Basin level.
- d. **“Coordination Agreement”** shall mean a legal agreement adopted between two or more GSAs that provides the basis for intra-basin coordination for more than one groundwater sustainability plan (“GSP”) within a single basin.
- e. **“DWR”** shall mean the California Department of Water Resources.
- f. **“Effective Date”** shall be as set forth in the Preamble.
- g. **“Groundwater Sustainability Agency”** or **“GSA”** shall mean an agency enabled by SGMA to regulate a portion of the Basin cooperatively with all other Groundwater Sustainability Agencies in the Basin, in compliance with the terms and provisions of SGMA.
- h. **“Groundwater Sustainability Plan”** or **“GSP”** shall mean a plan of a Groundwater Sustainability Agency adopted pursuant to SGMA.
- i. **“Joint TAC”** shall mean a meeting of the technical advisory committees of both of the Parties.
- j. **“Management Area”** shall mean the area within the boundaries of a GSP that are managed separately or differently than the remainder of the GSP for the Basin.
- k. **“Members”** shall mean the member agencies of each of the Parties’ Joint Powers Agreements.
- l. **“Parties”** shall mean any of the signatories to this Agreement.
- m. **“Project Agreement”** shall mean a separate Agreement amongst and between the Parties for a specific project, whose purpose, terms, or financial contributions are different than those set forth in this Agreement.
- n. **“SGMA”** shall mean the Sustainable Groundwater Management Act of 2014 and all regulations adopted under the legislation (SB 1168, SB 1319 and AB 1739) that

collectively comprise the Act, as that legislation and those regulations may be amended from time to time.

ARTICLE 2: KEY PRINCIPLES

2.1 The Parties intend to work together in mutual cooperation to develop a GSP in compliance with SGMA, for the sustainable management of groundwater for the portion of the Basin underlying the boundaries of each of the Parties.

2.2 The Parties intend to mutually cooperate to the extent possible to jointly implement the GSP within the Basin.

2.3 To the extent the Parties are not able to collaborate on a single GSP, each Party reserves the right to develop a GSP for the portion of the Basin the GSA is authorized to manage. To the extent it is not possible to jointly implement the GSP within the Basin, the Parties reserve the right to implement the GSP within its boundaries, and work with all Parties to coordinate such implementation in accordance with the requirements of SGMA.

2.4 The Parties expressly intend that this Agreement shall not limit or interfere with the respective Parties' rights and authorities over their own internal matters, including, but not limited to, a Party's legal rights to surface water supplies and assets, groundwater supplies and assets, facilities, operations, water management and water supply matters. The Parties make no commitments by entering into this Agreement to share or otherwise contribute their water supply assets as part of the development or implementation of a GSP.

2.5 Nothing in this Agreement is intended to modify or limit a Party's police powers, land use authorities, or any other authority.

2.6 The Parties further intend through this Agreement to collaborate in obtaining consulting, administrative and management services needed to efficiently and effectively develop a GSP, to conduct outreach to other Basin agencies and private parties, and to identify mechanisms for the management and funding commitments reasonably anticipated to be necessary for the purposes of this Agreement.

2.7 The Parties acknowledge and agree that SGMA is a new, complex and evolving legislation, with implementing regulations continuing to be developed by DWR. While this Agreement reflects the Parties' initial approach to SGMA compliance, a great deal of data needed for implementation is unknown, and necessary models are still in development. The Parties may experience changes in political boundaries, gain experience in the application of SGMA, or discover other considerations that may affect the decision of Parties on how to best comply with SGMA within each of their own boundaries and/or Management Area boundaries. DWR has acknowledged the need for entities to be able to change their decisions about participating in or becoming a GSA, and it is the intent of the Parties to support flexibility in admitting additional Parties, accommodating voluntary withdrawals, coordinating with other multi-agency or individual GSAs, changing the form of their organizational documents, for example, or creating an independent agency through a Joint Powers Agreement, and making other types of adjustments required by the Parties to achieve efficient compliance with SGMA,

consistent with the schedule and requirements of SGMA for coordination throughout the Basin and the provisions of this Agreement.

2.8 Each of the Parties acknowledges that SGMA requires that multiple GSAs within a Bulletin 118 groundwater basin designated as high- or medium-priority must coordinate, use the same data and consistent methodologies for certain required technical assumptions when developing a GSP, and the entire basin must be managed under one or more GSPs.

ARTICLE 3: FORMATION, PURPOSE AND POWERS

3.1 **Recitals:** The foregoing recitals are incorporated by reference.

3.2 **Certification.** Each of the Parties certifies and declares that it is a public agency (as defined in Government Code Section 6500 *et seq.*) that is authorized to be a GSA and manage groundwater for the portion of the Basin for which its members overlie.

3.3 **Purpose of the Agreement.** The purposes of this Agreement are to:

- a. Cooperatively carry out the purposes, goals and objectives of SGMA;
- b. Provide for coordination amongst and between the Parties to develop and implement a GSP and/or facilitate a Coordination Agreement, to the extent necessary for SGMA compliance;
- c. Develop, adopt and implement a legally sufficient GSP in compliance with SGMA covering those portions of the Basin that are within the jurisdictional boundaries of the Parties, subject to the limitations set forth in this Agreement; and
- d. Satisfy the requirements of SGMA for coordination among the WTS GSA and the ETS GSA.

3.4 **Authority Under the Agreement.** To the extent authorized by the Parties, subject to the limitations set forth in this Agreement and the limitations of all applicable laws, the Parties acting collectively shall have the following authority including, but not limited to the power to:

- a. Coordinate the implementation of SGMA among the Parties in accordance with this Agreement;
- b. Recommend the adoption of actions, rules, regulations, policies, and procedures related to the coordination of the Parties for purposes of implementation of SGMA;
- c. Perform all acts necessary or proper to carry out fully the purposes of this Agreement and to exercise all other powers necessary and incidental to the implementation of the powers set forth herein.

3.5 **Powers Reserved to Parties.** Each of the Parties will have the sole and absolute right, in its sole discretion, to:

- a. Act as a GSA within its boundaries or the Management Area managed in whole or in part by such Parties;
- b. Approve any portion, section or chapter of the GSP developed pursuant to this Agreement;
- c. Exercise authorities granted to each of the Parties as a GSA under SGMA;
- d. Exercise authority to implement SGMA and any GSP adopted pursuant to this Agreement;
- e. Defend any challenge to the adoption or implementation of a GSP developed pursuant to this Agreement; and
- f. Notwithstanding anything to the contrary in this Agreement, this Agreement does not provide any Parties the authority to undertake any activities within the geographic or service area boundaries of any other Parties pursuant to the GSP developed or adopted hereunder, unless the Parties have formally and expressly consented and agreed in writing to the activity proposed.

3.6 **Term.** This Agreement shall be effective as of the Effective Date and shall remain in effect until terminated in accordance with Article 7.4 of this Agreement.

3.7 **Role of Party Members.** Each of the Parties agrees to undertake such additional proceedings or actions as may be necessary in order to carry out the terms and intent of this Agreement, including the support of its Members, to participate in this Agreement. This support will involve the following types of actions:

- a. The Parties will provide support to the Joint TAC and any third party facilitating the development of the GSP by making available staff time, information and facilities within available resources.
- b. Policy support shall be provided by the Parties to either approve, or respond quickly to, any recommendations made as to funding shares, operational decisions, fare structures, and other policy areas.
- c. Each of the Parties may contribute public resources including but not limited to personnel, services, equipment or property to facilitate this Agreement. Such in-kind resource support is made in order to facilitate this Agreement and comply with SGMA; without a separate Project Agreement, the contributions shall not be made with the expectation of reimbursement from other Parties.

3.8 **Other Officers and Employees.** To the extent the Parties need support from employees, officers, consultants or otherwise need to hire employees, the Parties may do the following:

- a. Provide that any employee of the Parties, or the Parties' respective Members, with the express approval of the Parties, may work on behalf of the Parties under this

Agreement, and shall perform the same various duties under the direction of the Joint TAC as for his or her other employer in order to carry out this Agreement. This work may be completed and funded under the existing employment with the Parties or each of their Members. In the alternative, the Joint TAC may recommend that work performed by employees of the Parties or Members of the Parties be reimbursed by the Parties. Such recommendation shall include the scope of activities and the recommended reimbursement structure.

b. With the consent of the Parties, per Article 3.7, the Parties may independently contract or hire consultants and/or employees to perform work under this Agreement. Under this arrangement, the hiring or contracting Parties must present the contract to the Joint TAC for review and approval. Further, the contract must include appropriate indemnity, insurance, and non-disclosures to protect all Parties.

ARTICLE 4: GOVERNANCE

4.1 **Joint Technical Advisory Committee.** Activities under this Agreement will be guided by the appointed technical advisory committees of each Party (“Joint TAC”). The Joint TAC shall work collaboratively under this Agreement to develop recommendations for the technical and substantive Basin-wide issues. Recommendations from the Joint TAC that require approval or action of the Parties shall be provided to each Parties’ respective governing boards for adoption, approval, or other recommended action. The Joint TAC shall be responsible, but not be limited to, the following actions:

- a. Develop budget(s) for any project or program that requires funding from the Parties;
- b. Draft reports or options with regard to decisions related to the levying of taxes, assessments or property-related fees and charges;
- c. Propose guidance and options for obtaining grant funding;
- d. Recommend the adoption of rules, regulations, policies, and procedures related to the Agreement;
- e. Recommend the approval of contracts with consultants or subcontractors that would undertake work on behalf of the Parties pursuant to this Agreement;
- f. Update each Party’s respective governing boards on specific issues, including the development of the GSP, when appropriate or requested;
- g. Advise the Parties when the convening of an Ad Hoc committee is needed to resolve an impasse or inability to make a consensus recommendation;
- h. Conduct outreach with stakeholder groups;
- i. Participate and guide the development of GSP and materials in support thereof;

- j. Recommend action and/or approval of a GSP.

4.2 **Meetings.** The Joint TAC shall provide for regular and special meetings in accordance with Chapter 9, Division 2, Title 5 of Government Code of the State of California (the “Ralph M. Brown Act” commencing at Section 54950), and any subsequent amendments of those provisions.

4.3 **Advisory Committees.** The Joint TAC may establish other advisory committees, technical committees or other committees for any purpose, including but not limited to the GSP purposes in Water Code Section 10727.8.

4.4 **Impasse Resolution.** To the extent the Joint TAC is unable to make a consensus-based recommendation on an issue for which their respective governing boards need to make a decision, the Joint TAC may convene an Ad Hoc committee comprised of the Parties’ governing board members in an attempt to resolve the impasse.

ARTICLE 5: INFORMATION AND DATA SHARING

5.1 **Exchange of Information.** The Parties acknowledge and recognize pursuant to this Agreement and SGMA, the Parties will need to exchange information amongst and between the Parties.

5.2 **Procedure for Exchange of Information.** The Parties may exchange information through collaboration and/or informal requests made at the Joint TAC level or through working/stakeholder committees. However, to the extent it is necessary to make a written request for information to other Parties, the following protocols shall be followed:

5.2.1 Each of the Parties shall designate a representative to respond to information requests and provide the name and contact information of the designee to the Joint TAC. Requests may be communicated in writing and transmitted in person or by mail, facsimile machine or other electronic means to the appropriate representative as named in this agreement.

5.3 **Non-Disclosure of Confidential Information.** It is understood and agreed to that the Parties to this Agreement may provide the Parties with certain information that may be considered confidential. To ensure the protection of such information and in consideration of the agreement to exchange said information, the Parties agree as follows:

5.3.1 The confidential information to be disclosed under this Agreement (“Confidential Information”) includes data, information, modeling, projections, estimates, plans, that are not public and in which the Parties have a reasonable expectation of confidentiality, regardless of whether such information is designated as “Confidential Information” at the time of its disclosure.

5.3.2 In addition to the above, Confidential Information shall also include, and the Parties shall have a duty to protect, other confidential and/or sensitive information which is (a) disclosed as such in writing and marked as confidential (or with other similar designation) at

the time of disclosure; and/or (b) disclosed in any other manner and identified as confidential at the time of disclosure and is also summarized and designated as confidential in a written memorandum delivered within thirty (30) days of the disclosure.

5.3.3 The Parties shall use the Confidential Information only for the purposes set forth in this Agreement.

5.3.4 The Parties shall limit disclosure of Confidential Information within its own organization to its directors, officers, partners, consultants, members and/or employees having a need to know and shall not disclose Confidential Information to any third party (whether an individual, corporation, or other entity) without prior written consent. The Parties shall satisfy its obligations under this paragraph if it takes affirmative measures to ensure compliance with these confidentiality obligations by its employees, agents, consultants and others who are permitted access to or use of the Confidential Information.

5.3.5 This Agreement imposes no obligation upon the Parties with respect to any Confidential Information (a) that was possessed before receipt; (b) is or becomes a matter of public knowledge through no fault of receiving Parties; (c) is rightfully received from a third party not owing a duty of confidentiality; (d) is disclosed without a duty of confidentiality to a third party by, or with the authorization of the disclosing Parties; or (e) is independently developed.

5.3.6 If there is a breach or threatened breach of any provision of this section, it is agreed and understood that the non-breaching Parties shall have no adequate remedy in money or other damages and accordingly shall be entitled to injunctive relief; provided however, no specification in this Agreement of any particular remedy shall be construed as a waiver or prohibition of any other remedies in the event of a breach or threatened breach of this Agreement.

ARTICLE 6: FINANCIAL PROVISIONS

6.1 **Contributions and Expenses:** Each of the Parties shall be responsible to fund its participation in this Agreement. The Parties agree to fund Basin-wide activities, including development of the GSP, in a manner consistent with how each of the Parties' Members funded participation in the Turlock Groundwater Basin Association ("TGBA"). Specifically, this funding obligation would be allocated as 49.36 percent to the ETS GSA and 50.64 percent to the WTS GSA. Funding for non-basin-wide activities or other activities that the Parties separately agree shall not be split proportionately, shall be through a separate Project Agreement. For the activities under Project Agreements, the Joint TAC shall develop a scope of work, proposed cost allocation, and separate Project Agreement that would need to be approved by each Party's respective governing board before it is binding on such Parties. This provision shall be revisited by the Parties upon completion of the GSP or 2022, whichever is earlier.

6.2 **Funding Responsibility.** Each of the Parties will be solely responsible for raising funds for payment of the Parties' share of operating and administrative costs. The obligation of each of the Parties to make payments under the terms and provisions of this Agreement is an individual and severable obligation and not a joint obligation with those of the other Parties.

Each of the Parties shall be individually responsible for its own covenants, obligations, and liabilities under this Agreement. No Parties shall be precluded from independently pursuing any of the activities contemplated in this Agreement. No Parties shall be the agent or have the right or power to bind any other Parties without such Parties' express written consent, except as expressly provided in this Agreement.

6.3 **Alternate Funding Sources.** The Parties may secure contributions of grant funding, state, federal, or county funding as funding or a portion of funding for projects between the Parties.

ARTICLE 7: CHANGES IN PURPOSE, PARTICIPATION, WITHDRAWAL AND TERMINATION

7.1 **Changes in Purpose.** This Agreement shall remain in place and all applicable provisions shall remain in effect, in the event the Parties determine it is not possible to develop a single GSP pursuant to this Agreement. In that instance, the Parties may develop separate, multiple GSPs and continue to collaborate and work together as necessary to comply with SGMA and develop a Coordination Agreement as required by SGMA.

7.2 **Noncompliance.** In the event any of the Parties (1) fails to comply with the terms of this Agreement, or (2) undertakes actions that conflict with or undermine the compliance with SGMA and/or achieving sustainable groundwater management, the Parties alleging non-compliance shall provide written notice summarizing the nature of lacking compliance to the Party against whom the allegations are lodged. The alleged non-compliant Party agrees to make best efforts to resolve or remedy any such non-compliance. Such actions may include, for example, failure to pay its agreed upon contributions when due; refusal to participate in GSA activities or to provide required monitoring of sustainability indicators; refusal to enforce controls as required by the GSP; refusal to implement any necessary actions as outlined by the approved GSP; and exceedance of minimum thresholds that are likely to lead to "undesirable results" under SGMA.

7.3 **Mediation.** To the extent notice and informal discussion of non-compliance pursuant to section 7.2 does not resolve the issue of non-compliance, the Parties agree to participate in good faith to settle the alleged non-compliance by mediation administered under its standard mediation procedures before resorting to arbitration, litigation, or some other dispute resolution procedure.

7.4 **Withdrawal and Termination.** Either Party may, in its sole discretion, unilaterally withdraw and terminate its participation from this Agreement, effective upon thirty (30) days' prior written notice to the governing board of the other Party, provided that (a) the withdrawing Party will remain responsible for its proportionate share of any obligation or liability duly incurred while a Party to this Agreement. In the event the withdrawing Party has any rights in any property or has incurred obligations, the Party may not sell, lease or transfer such rights or be relieved of its obligations, except in accordance with a written agreement executed by it and the other Party.

7.5 **Disposition of Property Upon Termination.** Upon termination of this Agreement, the Joint TAC shall recommend the Parties distribute the assets between the successor entity and the Parties in proportion to how the assets were provided.

7.6 **Use of Data.** Upon withdrawal, a Party shall be entitled to use any data or other information developed during its time as a Party to the Agreement. Further, should a Party withdraw after completion of the GSP, it shall be entitled to utilize the GSP for future implementation of SGMA within its boundaries.

ARTICLE 8: MISCELLANEOUS PROVISIONS

8.1 **Indemnification.** Each of the Parties shall hold harmless, defend and indemnify the other Party, and its agents, officers and employees from and against any liability, claims, actions, costs, damages or losses of any kind, including death or injury to any person and/or damage to property arising out of the activities of this Agreement. These indemnification obligations shall continue beyond the Term of this Agreement as to any acts or omissions occurring before or under this Agreement or any extension of this Agreement.

8.2 **CASGEM Reporting Entity.** The Department of Water Resources runs the California Statewide Groundwater Elevation Monitoring (“CASGEM”) Program, which requires the identification of a local monitoring entity to report elevation data. Prior to the enactment of SGMA, the TGBA acted as the CASGEM monitoring entity. The Parties hereby agree that the WTS GSA shall act as the CASGEM monitoring entity from the Effective Date of this Agreement. The WTS GSA shall work through this Agreement to obtain the necessary approvals from DWR to transfer the local monitoring entity’s duties to the WTS GSA, coordinate with the ETS GSA to obtain required information, and collaborate with the ETS GSA on data provided as the CASGEM monitoring entity.

8.3 **Liability of Joint TAC.** Each Party must defend, indemnify and hold harmless the other Party from the actions of its employees or agents taken within the scope of the authority of this Agreement.

8.4 **Amendments.** This Agreement may only be amended by a written instrument executed by all Parties.

8.5 **Binding on Successors.** Except as otherwise provided in this Agreement, the rights and duties of the Parties may not be assigned or delegated without a unanimous vote by the Parties. Any approved assignment or delegation shall be consistent with the terms of any contracts, resolutions, indemnities and other obligations then in effect. This Agreement shall inure to the benefit of, and be binding upon, the successors and assigns of the Parties hereto.

8.6 **Notice.** Any notice or instrument required to be given or delivered under this Agreement may be made by: (a) depositing the same in any United States Post Office, postage prepaid, and shall be deemed to have been received at the expiration of 72 hours after its deposit in the United States Post Office; (b) transmission by facsimile copy to the addressee; (c) transmission by electronic mail; or (d) personal delivery, as follows:

WTS GSA

Michael Cooke
WTS GSA Technical Advisory Committee Chair
City of Turlock Municipal Services
156 S. Broadway, Suite 270
Turlock, CA 95380
Email: mcooke@turlock.ca.us
Phone: 209-668-4142

With copy to: Valerie Kincaid
O'Laughlin & Paris LLP
2617 K Street, Suite 100
Sacramento, CA 95816
Email: vkincaid@olaughlinparis.com
Phone: 916.599.5498

ETS GSA

Kevin Kauffman, ETS GSA Coordinator
P.O. Box 692632
Stockton, CA 95269
E-mail: Kauffmankevin@comcast.net and paddedcell@sbcglobal.net
Phone: (209) 478-4940

With copy to: Baker Manock & Jensen
c/o Lauren D. Layne
5260 N. Palm Ave., Suite 421
Fresno, CA 93704
E-mail: llayne@bakermanock.com
Phone: (559) 432-5400

8.7 **Counterparts.** This Agreement may be executed by the Parties in separate counterparts, each of which when so executed and delivered shall be an original. All such counterparts shall together constitute but one and the same instrument.

8.8 **Choice of Law.** This Agreement shall be governed by the laws of the State of California.

8.9 **Severability.** If one or more clauses, sentences, paragraphs or provisions of this Agreement are held to be unlawful, invalid or unenforceable, it is hereby agreed by the Parties that the remainder of the Agreement shall not be affected thereby. Such clauses, sentences, paragraphs or provisions shall be deemed reformed so as to be lawful, valid and enforced to the maximum extent possible.

8.10 **Headings.** The paragraph headings used in this Agreement are intended for convenience only and shall not be used in interpreting this Agreement or in determining any of the rights or obligations of the Parties to this Agreement.

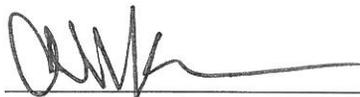
8.11 **Construction and Interpretation.** This Agreement has been arrived at through negotiation and each of the Parties has had a full and fair opportunity to revise the terms of this Agreement. As a result, the normal rule of construction that any ambiguities are to be resolved against the drafting Parties shall not apply in the construction or interpretation of this Agreement.

8.12 **Entire Agreement.** This Agreement constitutes the entire agreement among the Parties and supersedes all prior agreements and understandings, written or oral.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the day and year first above-written.

“ETS GSA”

East Turlock Subbasin Groundwater Sustainability Agency

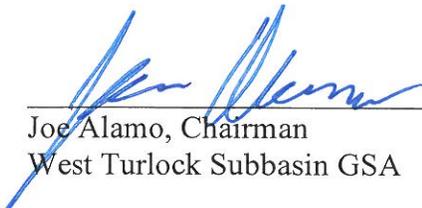


Al Rossini, Chairman
East Turlock Subbasin GSA

Date: 1/18/18

“WTS GSA”

West Turlock Subbasin Groundwater Sustainability Agency



Joe Alamo, Chairman
West Turlock Subbasin GSA

Date: 1/16/18

Water Shortage Contingency Plan

(THIS PAGE LEFT BLANK INTENTIONALLY)

City of Turlock Water Shortage Contingency Plan

JOINTLY PREPARED BY



(THIS PAGE LEFT BLANK INTENTIONALLY)

Table of Contents

1.0 Water Supply Reliability Analysis	1
2.0 Annual Water Supply and Demand Assessment Procedures	2
2.1 Decision-making Process	2
2.2 Key Data Inputs.....	4
2.3 Assessment Methodology	5
3.0 Six Standard Water Shortage Levels	6
4.0 Shortage Response Actions and Effectiveness	8
4.1 Demand Reduction and Mandatory Restrictions	8
4.2 Supply Augmentation and Other Actions.....	15
4.3 Operational Changes	18
4.4 Emergency Response Plan.....	18
5.0 Communication Protocols	19
5.1 Communication for Foreseeable Events	19
5.2 Communication for Unforeseeable Events	20
6.0 Compliance and Enforcement	20
6.1 Shortage Level Enforcement and Penalties.....	21
6.2 Appeal and Exemption Process	21
7.0 Legal Authorities	21
8.0 Financial Consequences of WSCP	22
9.0 Monitoring and Reporting	22
10.0 WSCP Refinement Procedures	23
10.1 Systematic Monitoring	23
10.2 Feedback from City Staff and Customers.....	23
11.0 Special Water Feature Distinction	23
12.0 Plan Adoption, Submittal, and Availability	24

Table of Contents

LIST OF TABLES

Table 1. Schedule of Assessment Activities.....	3
Table 2. Schedule of Decision-Making Activities.....	4
Table 3. Water Shortage Contingency Plan Levels (DWR Table 8-1).....	7
Table 4. Water Shortage Contingency Plan Demand Reduction Actions (DWR Table 8-2).....	9
Table 5. Water Restrictions and Regulations	14
Table 6. Supply Augmentation and Other Actions (DWR Table 8-3).....	15

LIST OF APPENDICES

Appendix A. Turlock Municipal Code Title 6 Chapter 7

LIST OF ACRONYMS AND ABBREVIATIONS

AB	Assembly Bill
AWSDA	Annual Water Supply and Demand Assessment
City	City of Turlock
CUWCC	California Urban Water Conservation Council
CWC	California Water Code
DWR	Department of Water Resources
EOP	2017 Water System Emergency Operations Plan
MOU	Memorandum of Understanding
RSWSP	Regional Surface Water Supply Project
SB	Senate Bill
SRWA	Stanislaus Regional Water Authority
TID	Turlock Irrigation District
TMC	Turlock Municipal Code
UWMP	Urban Water Management Plan
WSCP	Water Shortage Contingency Plan

Water Shortage Contingency Plan

A water shortage may occur due to a number of reasons, such as population growth, climate change, drought, and catastrophic events. Drought, regulatory action constraints, and natural and manmade disasters may occur at any time. A water shortage means that the water supply available is insufficient to meet the normally expected customer water use at a given point in time.

This plan presents the City of Turlock's (City's) Water Shortage Contingency Plan (WSCP). The WSCP describes the City's strategic plan in preparation for and responses to water shortages with a goal to proactively prevent catastrophic service disruptions. It includes water shortage stages and associated actions that will be implemented in the event of a water supply shortage. As part of the WSCP, the City's legal authorities, communication protocols, compliance and enforcement, and monitoring and reporting are included. The Turlock Municipal Code (TMC) Chapter 6-7 (Water Conservation and Education) is complementary text that supports the City's WSCP. This text has been updated over time.

In 2018, the California State Legislature (Legislature) enacted two policy bills, (Senate Bill (SB) 606 (Hertzberg) and Assembly Bill (AB) 1668 (Friedman)) (2018 Water Conservation Legislation), to establish a new foundation for drought planning to adapt to climate change and the resulting longer and more intense droughts in California. The 2018 Water Conservation Legislation set new requirements for water shortage contingency planning.

The City's WSCP has been updated so that it is consistent with the 2018 Water Conservation Legislation requirements. The City has modified portions of TMC Chapter 6-7 to support these updates. The City intends for this WSCP to be dynamic, so that it may assess response action effectiveness and adapt to emergencies and catastrophic events. Refinement procedures and adoption requirements are provided in this plan to allow the City to modify this WSCP outside of the Urban Water Management Plan (UWMP) process.

1.0 WATER SUPPLY RELIABILITY ANALYSIS

Chapters 6 and 7 of the City's 2020 UWMP present the City's water supply sources and reliability, respectively. Findings show that the City's five consecutive dry year supplies, whether occurring now or 20 years in the future, are adequate to meet projected five consecutive dry year demands because if there is any disruption in surface water supply, the City will increase groundwater pumping to compensate. While potable supplies will remain reliable, aesthetic water quality consistency will suffer as water from the City's native groundwater wells is much less palatable than the surface water.

Statewide water supply conditions, changes in groundwater levels, subsidence, and actions by the Stanislaus Regional Water Authority (SRWA) and the Turlock Irrigation District (TID), may impact the City's available water supply. For the City, a water shortage condition occurs when the supply of potable water available cannot meet ordinary water demands for human consumption, sanitation, fire protection, and other beneficial uses. The City may be able to foresee its water shortage condition in some cases; however, in other cases, the water shortage may be caused by an unforeseen sudden or emergency event. In general, the City's water supply conditions may be affected by the following issues:

- SRWA supply availability and/or production issues
- City well production and/or water quality issues



Water Shortage Contingency Plan

The City may experience unforeseen water shortage when catastrophic interruption of water supplies occurs due to regional power outage, an earthquake, or other potential emergency events.

In future years, the City will conduct an annual water supply and demand assessment in accordance with Section 2. The analysis associated with this WSCP was developed in the context of the City's water supply sources and reliability.

2.0 ANNUAL WATER SUPPLY AND DEMAND ASSESSMENT PROCEDURES

Beginning July 1, 2022, California Water Code (CWC) §10632.1 requires water suppliers to submit an Annual Water Supply and Demand Assessment (AWSDA). Water suppliers will also be required to submit an Annual Water Shortage Assessment Report beginning July 1, 2022. This WSCP provides the procedures for the City to conduct its AWSDA. The findings from that assessment will provide information for the City's Annual Water Shortage Assessment Report.

The procedures provided in this section are intended to assist the City in planning for potential, foreseeable shortage in water supplies. These procedures provide the steps the City needs to take that may lead to declaring a water shortage emergency and associated water shortage level (see Section 3) and implementation of water shortage response actions (see Section 4).

2.1 Decision-making Process

The decision-making process described below will be used by the City to determine its water supply reliability in a consistent manner annually. The City may adjust this process for improved decision-making during implementation.

The Municipal Services Director or their designee is responsible for the preparation of the City's AWSDA and Annual Water Shortage Assessment Report, and submittal of the reports to Department of Water Resources (DWR) by July 1 of each year. The Municipal Services Director or their designee will gather key data inputs described in Section 2.2 and conduct the assessment in accordance with Section 2.3. In June, the Municipal Services Director or their designee will finalize the assessment based on the SRWA allocated water amount from TID. If the Annual Assessment finds that available water supply will be sufficient to meet expected demands for the current year and one subsequent dry year, no further action will be required. The City's Annual Water Shortage Assessment Report will be finalized using the AWSDA. The final approved documents will be submitted to DWR by July 1 each year.

In the event that the AWSDA finds that available supply will not meet expected demands, the Municipal Services Director or designee will present the finalized assessment to the City Council, along with recommendations on water shortage condition determination and actions. Recommended actions may include declaration of a water shortage emergency, declaration of a water shortage level, and water shortage actions. The Municipal Services Director or designee will coordinate interdepartmentally, with SRWA and with Stanislaus County, for the possible proclamation of a local emergency. The Municipal Services Director or designee will prepare the City's Annual Water Shortage Assessment Report using the finalized AWSDA and incorporate City Council determinations and approved actions.



Water Shortage Contingency Plan

Based on the findings of the assessment, the City Council will determine if a water shortage condition exists and, if needed, declaring a water shortage emergency and water shortage level and authorizing water shortage actions.

The City will follow the timeline of activities as shown on Table 1 for conducting the assessment, and Table 2 for its decision making. Due to variations in climate and hydrologic conditions, schedule shown in the table are approximate and may be adjusted as needed. The intent of the schedule is to allow shortage response actions to effectively address anticipated water shortage conditions in a timely manner, and to comply with the State’s reporting requirements.

Table 1. Schedule of Assessment Activities		
Schedule	Activities	Responsible Party
Early November of Prior Year	Convene Team	Municipal Services Department
Mid- to Late November of Prior Year	Plan for water supply sources for current year and one subsequent dry year. Describe sources and quantities considering factors affecting supply as described in Section 2.2.	Municipal Services Department
Mid- to Late November of Prior Year	Plan for water demands for current year and one subsequent dry year. Describe demand types and quantities considering factors affecting supply as described in Section 2.2.	Municipal Services Department
Early December of Prior Year	Using the methodology described in Section 2.3, calculate the City’s water supply reliability for the current year and one subsequent dry year.	Municipal Services Department
Early March	Finalize assessment based on expected purchased water from SRWA	Municipal Services Department
Mid to Late March	Draft Annual Water Shortage Assessment Report for DWR submittal.	Municipal Services Department
Early April	Review Annual Assessment and Annual Water Shortage Assessment Report and provide comments as needed.	Municipal Services Director or Designee
April - June	Finalize and approve Annual Assessment and Annual Water Shortage Assessment Report.	Municipal Services Department
Before July 1	Submit Annual Assessment and finalized Annual Water Shortage Assessment Report to DWR.	Municipal Services Department



Water Shortage Contingency Plan

Table 2. Schedule of Decision-Making Activities		
Schedule	Activities	Responsible Party
April	Based on finalized determinations of AWSDA regarding water shortage condition and recommended actions, prepare recommendations on water shortage condition determination and actions.	Municipal Services Department
April - June	Prepare ordinances or resolutions approving determinations and actions.	Municipal Services Department
April - June	If a water shortage emergency condition exists, activate WSCP protocols and follow Section 7.0.	Municipal Services Department
April - June	Coordinate interdepartmentally, with SRWA, and with County for the possible proclamation of a local emergency.	Municipal Services Department
April - June	Present finalized determinations and recommendations, along with ordinances or resolutions approving determinations and actions.	Municipal Services Department
April - June	Receive presentation of finalized determinations and recommendations. Make determination of degree of emergency and act on resolutions that declare a water shortage emergency condition. Authorize water shortage response actions for implementation. Act on ordinances or resolutions.	City Council
April - June	If a water shortage emergency condition is declared, implement the WSCP and the water shortage response actions as approved by City Council.	Municipal Services Department
April - June	Finalize Annual Water Shortage Assessment Report.	Municipal Services Department
Before July 1	Submit finalized AWSDA assessment and Annual Water Shortage Assessment Report to DWR.	Municipal Services Department

2.2 Key Data Inputs

The AWSDA requires the evaluation of supply and demands for the current year and one dry year that is assumed to follow the current year. The following key data inputs will be used to evaluate the City's water supply reliability, as necessary and applicable.

Planned water supplies will be used as inputs to the AWSDA for the current year and a subsequent single dry year. In planning for water supplies, the following factors are considered:

1. Hydrological conditions
2. Regulatory conditions
3. Contractual constraints
4. Surface water and groundwater quality conditions
5. Well production limitations
6. Infrastructure capacity constraints or changes.
7. Capital improvement projects implementation



Water Shortage Contingency Plan

Planned water supply sources and quantities will be described and be reasonably consistent with the supply projections in the City's last updated UWMP Chapter 6 (Water Supply Characterization). Should the supply sources and projections deviate significantly from projections, an explanation for the difference will be provided.

Planned unconstrained water demands will be used as input to the AWSDA for the current year and a subsequent single dry year. Unconstrained water demands are customer demands where no water conservation measures are in effect. In planning for water demands, the following factors are considered:

1. Weather conditions
2. Water year type
3. Population changes (for example, due to development projects)
4. Anticipated new demands (for example, changes to land use)
5. Pending policy changes that may impact demands
6. Infrastructure operations

Planned water demands types and quantities will be described and be reasonably consistent with the demand projections in the City's last updated UWMP Chapter 4 (Water Demand Characterization). Should the demand projections deviate significantly from projections, an explanation for the difference will be provided.

2.3 Assessment Methodology

In preparing the AWSDA, the City will follow the following assessment methodology and evaluation criteria will be used to evaluate the agency's water supply reliability for the current year and a subsequent single dry year.

The City uses a spreadsheet to plan for current year and future year demands. Planned supply and demand inputs described in Section 2.2 will be entered in the spreadsheet in monthly increments.

Supply and demand will be compared to determine the reliability of the City's water supply in the current year and a subsequent single dry year. The City's water supply for the current year and the following dry year will be determined as reliable if water supply is sufficient to meet the planned water demands. If water supply is insufficient to meet planned water demands in the current year and/or the following dry year, the extent of the water shortage condition will be determined, and the City will prepare response actions in accordance with this WSCP.

The AWSDA findings will be presented to the City Council, along with recommendations for action for City Council consideration.



Water Shortage Contingency Plan

3.0 SIX STANDARD WATER SHORTAGE LEVELS

To provide a consistent regional and statewide approach to conveying the relative severity of water supply shortage conditions, the 2018 Water Conservation Legislation mandates that water suppliers plan for six standard water shortage levels that correspond to progressive ranges of up to 10, 20, 30, 40, 50 percent, and greater than 50 percent shortages from the normal reliability condition. Each shortage condition should correspond to additional actions water suppliers would implement to meet the severity of the impending shortages.

In Table 3 (DWR UWMP Table 8-1), the City's water shortage levels and corresponding water shortage level conditions are identified. The City's water shortage levels apply to both foreseeable and unforeseeable water supply shortage conditions. Water shortage is the gap between available supply and planned demands.

As described in Section 2, the City will conduct an AWSDA to determine its water supply condition for the current year and a subsequent single dry year. The preparation of AWSDA helps the City ascertain the need to declare a water shortage emergency and water shortage level. In other cases, the City may need to declare a water shortage emergency due to unforeseen water supply interruptions. When the City anticipates or identifies that water supplies may not be adequate to meet the normal water supply needs of its customers, the City Council may determine that a water shortage exists and consider a resolution to declare a water shortage emergency and associated level. The shortage level provides direction on shortage response actions.

The City's 2015 UWMP included five levels that addressed up to a 50 percent gap between supply and demand. In Table 3, the City's five levels are reorganized to align with the State's standard levels and incorporates a sixth level to address a 50 percent or greater gap between supply and demand. The City's water supplies are resilient, and the City would not need to declare a water shortage level greater than Level 1 until its water supplies are reduced significantly.

TMC Chapter 6-7-405 addresses demand reduction actions required by the City per shortage level. This TMC text is included as Appendix A to this WSCP. Concurrent with the preparation of this UWMP, the City updated TMC Chapter 6-7 to support this updated WSCP.



Water Shortage Contingency Plan

Table 3. Water Shortage Contingency Plan Levels (DWR Table 8-1)

Shortage Level	Percent Shortage Range	Shortage Response Actions (Narrative description)
1	Up to 10%	<ul style="list-style-type: none"> - Outdoor landscape watering shall be limited to three times per week on an odd-even basis. - Outdoor landscape watering is prohibited between the hours of 9:00 a.m. and 9:00 p.m. - Large commercial landscapes and City parks may have individual watering schedules approved by the Municipal Services Department. - Residential vehicle washing requires a quick-acting automatic positive shut-off valve and is limited to one washing per week during designated watering times.
2	Up to 20%	<ul style="list-style-type: none"> - Outdoor landscape watering. Outdoor landscape watering shall be limited to two times per week. - Outdoor landscape watering is prohibited between the hours of 9:00 a.m. and 9:00 p.m. - Large commercial landscapes and City parks shall also be limited to two (2) days per week, as scheduled by the Municipal Services Department. - Residential vehicle washing requires a quick-acting automatic positive shut-off valve and is limited to one washing per week during designated watering times. - Further use of decorative fountains or reflection ponds shall be discontinued until further notice.
3	Up to 30%	<ul style="list-style-type: none"> - Construction water from City fire hydrants shall be banned but recycled water from the City of Turlock's Regional Water Quality Control Facility may be made available for construction water purposes. - Outdoor landscape watering shall be limited to one day per week. - Outdoor landscape watering is prohibited between the hours of 9:00 a.m. and 9:00 p.m. - Large commercial landscaping and City parks shall be limited to one (1) day per week, as scheduled by the Municipal Services Department. - Washing of automobiles, trucks, trailers, boats, airplanes, and other types of mobile equipment not occurring upon the immediate premises of commercial car washes and commercial service stations and not in immediate interest of the public health, safety, and welfare shall be prohibited. - Further use of decorative fountains or reflection ponds shall be discontinued until further notice. - Filling newly constructed or drained swimming pools with City water shall be prohibited.
4	Up to 40%	<ul style="list-style-type: none"> - Construction water from City fire hydrants shall be banned but recycled water from the City of Turlock's Regional Water Quality Control Facility may be made available for construction water purposes. - Outdoor landscape watering shall be limited to one day per week, for trees only. - Outdoor landscape watering is prohibited between the hours of 9:00 a.m. and 9:00 p.m. - Large commercial landscaping and City parks shall be limited to one (1) day per week, as scheduled by the Municipal Services Department. - Washing of automobiles, trucks, trailers, boats, airplanes, and other types of mobile equipment not occurring upon the immediate premises of commercial car washes and commercial service stations and not in immediate interest of the public health, safety, and welfare shall be prohibited. - Further use of decorative fountains or reflection ponds shall be discontinued until further notice. - Filling newly constructed or drained swimming pools with City water shall be prohibited.
5	Up to 50%	<ul style="list-style-type: none"> - Construction water from City fire hydrants shall be banned but recycled water from the City of Turlock's Regional Water Quality Control Facility may be made available for construction water purposes. - Outdoor landscape watering shall be limited to one day per week, for trees only. - Outdoor landscape watering is prohibited between the hours of 9:00 a.m. and 9:00 p.m. - Large commercial landscaping and City parks shall be limited to one (1) day per month, as scheduled by the Municipal Services Department. - Washing of automobiles, trucks, trailers, boats, airplanes, and other types of mobile equipment not occurring upon the immediate premises of commercial car washes and commercial service stations and not in immediate interest of the public health, safety, and welfare shall be prohibited. - Further use of decorative fountains or reflection ponds shall be discontinued until further notice. - Filling newly constructed or drained swimming pools with City water shall be prohibited.
6	>50%	<ul style="list-style-type: none"> - Industry and commercial businesses shall be required to curtail consumption to maintain adequate Supplies of water for health and safety. - Outdoor landscape watering shall be prohibited. - Further use of decorative fountains or reflection ponds shall be discontinued until further notice. - Filling newly constructed or drained swimming pools with City water shall be prohibited. - If there is total well failure, disaster relief from outside the City shall be required.



4.0 SHORTAGE RESPONSE ACTIONS AND EFFECTIVENESS

CWC §10632 (a)(4) requires shortage response actions that align with the defined shortage levels. The City's shortage response actions consist of a combination of demand reduction, supply augmentation, and operational changes. The City's suites of response actions are dependent on the event that precipitates a water shortage level, the time of the year the event occurs, the water supply sources available, and the condition of its water system infrastructure.

The City plans to use a balanced approach, combining supply augmentation, demand reduction, and operational changes to respond to the event and the resulting water shortage level. The City will adapt its implementation of response actions to close the gap between water supplies and water demand and meet the water use goals associated with the declared water shortage level.

The City's water system is fully metered, from production to individual customer meters. These meters can be read as often as needed to track the extent of the effectiveness of the City's response actions. Water production and water use can be compared to previous periods. Water use can be compared per customer sector or per individual customer. This continuous monitoring allows the City to assess water system demands and compare it with its water demand reduction goals. The City may then adjust its shortage response actions, allowing it to equalize demands with available water supplies. For example, the City may intensify its public outreach or more vigorously enforce compliance to water use prohibitions if needed water demand reduction goals are not met for any specific level. In the 2012-2016 Drought, the City was able to exceed its water conservation goals using a combination of public outreach and compliance actions. The City found that customers are very responsive to public outreach efforts.

The shortage response actions discussed below may be considered as tools that allow the City to respond to water shortage conditions. Because the City may continuously monitor and adjust its response actions to reasonably equate demands with available supply, the extent to which the gap between water supplies and water demand will be reduced by implementation of each action is difficult to quantify and is provided as an estimate. Certain response actions, such as public outreach and enforcement, support the effectiveness of other response actions and do not have a quantifiable effect on their own.

4.1 Demand Reduction and Mandatory Restrictions

During water shortage conditions, the City plans to close the gap between water supply and water demand by implementing demand reduction action categories shown in Table 4 (DWR UWMP Table 8-2). The shortage level for which each demand reduction action will commence implementation is also provided, along with the estimate of extent that the action will reduce the shortage gap. The table also indicates if the City plans to use compliance actions such as penalties, charges, or other enforcement actions for each demand reduction action.



Water Shortage Contingency Plan

Table 4. Water Shortage Contingency Plan Demand Reduction Actions (DWR Table 8-2)

Shortage Level	Demand Reduction Actions <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply to you.</i>	How much is this going to reduce the shortage gap? <i>Include volume units used.</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>Drop Down List</i>
1	Landscape - Limit landscape irrigation to specific days	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(a)(1)	Yes
1	Landscape - Limit landscape irrigation to specific times	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(a)(2)	Yes
1	CII - Other CII restriction or prohibition	Reduces total water use by 5-10%	Turlock Municipal Code: 6-7-405(a)(3); Large commercial landscapes and City parks may have individual watering schedules approved by the Municipal Services Department.	Yes
1	Other - Require automatic shut of hoses	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(a)(4); Residential vehicle washing requires a quick-acting automatic positive shut-off valve and is limited to one washing per week during designated watering times.	Yes
2	Landscape - Limit landscape irrigation to specific days	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(b)(1)	Yes
2	Landscape - Limit landscape irrigation to specific times	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(b)(2)	Yes
2	CII - Other CII restriction or prohibition	Reduces total water use by 5-10%	Turlock Municipal Code: 6-7-405(b)(3); Large commercial landscapes and City parks limited to irrigation two days per week	Yes



Water Shortage Contingency Plan

Table 4. Water Shortage Contingency Plan Demand Reduction Actions (DWR Table 8-2)

Shortage Level	Demand Reduction Actions <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply to you.</i>	How much is this going to reduce the shortage gap? <i>Include volume units used.</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>Drop Down List</i>
2	Other - Require automatic shut of hoses	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(b)(4); Residential vehicle washing requires a quick-acting automatic positive shut-off valve and is limited to one washing per week during designated watering times.	Yes
2	Water Features - Restrict water use for decorative water features, such as fountains	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(b)(5)	Yes
3	Landscape - Limit landscape irrigation to specific days	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(c)(1)	Yes
3	Landscape - Limit landscape irrigation to specific times	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(c)(2)	Yes
3	CII - Other CII restriction or prohibition	Reduces total water use by 5-10%	Turlock Municipal Code: 6-7-405(c)(3); Large commercial landscapes and City parks limited to irrigation one day per week	Yes
3	Other water feature or swimming pool restriction	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(c)(4); Filling newly constructed or drained swimming pools is prohibited.	Yes
3	Other - Prohibit use of potable water for construction and dust control	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(c)(5); Construction water from City fire hydrants shall be banned but recycled water from the City's Regional Water Quality Control Facility may be made available for construction water purposes	Yes



Water Shortage Contingency Plan

Table 4. Water Shortage Contingency Plan Demand Reduction Actions (DWR Table 8-2)

Shortage Level	Demand Reduction Actions <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply to you.</i>	How much is this going to reduce the shortage gap? <i>Include volume units used.</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>Drop Down List</i>
3	Water Features - Restrict water use for decorative water features, such as fountains	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(c)(6)	Yes
3	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(c)(7)	Yes
4	Landscape - Limit landscape irrigation to specific days	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(d)(1)	Yes
4	Landscape - Limit landscape irrigation to specific times	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(d)(2)	Yes
4	CII - Other CII restriction or prohibition	Reduces total water use by 5-10%	Turlock Municipal Code: 6-7-405(d)(3); Large commercial landscapes and City parks limited to irrigation one day per week	Yes
4	Other water feature or swimming pool restriction	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(d)(4); Filling newly constructed or drained swimming pools is prohibited.	Yes
4	Other - Prohibit use of potable water for construction and dust control	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(d)(5); Construction water from City fire hydrants shall be banned but recycled water from the City's Regional Water Quality Control Facility may be made available for construction water purposes	Yes
4	Water Features - Restrict water use for decorative water features, such as fountains	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(d)(6)	Yes



Water Shortage Contingency Plan

Table 4. Water Shortage Contingency Plan Demand Reduction Actions (DWR Table 8-2)

Shortage Level	Demand Reduction Actions <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply to you.</i>	How much is this going to reduce the shortage gap? <i>Include volume units used.</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>Drop Down List</i>
4	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(d)(7)	Yes
5	Landscape - Limit landscape irrigation to specific days	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(e)(1)	Yes
5	Landscape - Limit landscape irrigation to specific times	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(e)(2)	Yes
5	CII - Other CII restriction or prohibition	Reduces total water use by 5-10%	Turlock Municipal Code: 6-7-405(e)(3); Large commercial landscapes and City parks limited to irrigation one day per week	Yes
5	Other water feature or swimming pool restriction	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(e)(4); Filling newly constructed or drained swimming pools is prohibited.	Yes
5	Other - Prohibit use of potable water for construction and dust control	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(e)(5); Construction water from City fire hydrants shall be banned but recycled water from the City's Regional Water Quality Control Facility may be made available for construction water purposes	Yes
5	Water Features - Restrict water use for decorative water features, such as fountains	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(e)(6)	Yes
5	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	Reduces total water use by 0-5%	Turlock Municipal Code: 6-7-405(e)(7)	Yes



Water Shortage Contingency Plan

Table 4. Water Shortage Contingency Plan Demand Reduction Actions (DWR Table 8-2)

Shortage Level	Demand Reduction Actions <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply to you.</i>	How much is this going to reduce the shortage gap? <i>Include volume units used.</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>Drop Down List</i>
6	Landscape - Prohibit all landscape irrigation	Reduces total water use by 20-25%	Turlock Municipal Code: 6-7-405(f)(1)	Yes
6	CII - Other CII restriction or prohibition	Reduces total water use by 15-20%	Turlock Municipal Code: 6-7-405(f)(2); Industry and commercial businesses shall be required to curtail consumption in order to maintain adequate supplies of water for health and safety	Yes
6	Other	Reduces total water use by 20-25%	Turlock Municipal Code: 6-7-405(f)(3); If there is total well failure, disaster relief from outside the City of Turlock shall be required	Yes
NOTES: Per Turlock Municipal Code and Corresponding Ordinances.				

The City may request that its customers reduce their water demands in response to any water shortage level through TMC Chapter 6-7. The City updated TMC Chapter 6-7 for consistency with this WSCP. The demand reduction action categories are detailed further below.

During each shortage level, the City plans to impose water use restrictions on its customers and enforce the regulations and restrictions provided in TMC Chapter 6-7-405 and presented in Table 3 (DWR Table 8-1) and Table 5, to achieve the percent demand reduction required by the water shortage stage. Table 5 presents the shortage reduction actions for each water shortage stage by general category of consumption reduction methods whereas Table 3 (DWR Table 8-1) does not organize the shortage reduction actions into general categories of consumption reduction methods. The additional mandatory restrictions are in addition to State-mandated prohibitions.



Water Shortage Contingency Plan

Table 5. Water Restrictions and Regulations^(a)

Consumption Reduction Methods	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
<i>Commercial</i>						Industry and commercial businesses shall be required to curtail consumption to maintain adequate supplies of water for health and safety.
<i>Construction</i>			Construction water from City fire hydrants shall be banned but recycled water from the City of Turlock's Regional Water Quality Control Facility may be made available for construction water purposes.			
<i>Landscape Irrigation</i>	Outdoor landscape watering shall be limited to <u>three</u> times per week on an odd-even basis.	Outdoor landscape watering. Outdoor landscape watering shall be limited to <u>two</u> times per week.	Outdoor landscape watering shall be limited to <u>one</u> day per week.	Outdoor landscape watering shall be limited to <u>one</u> day per week, for <u>trees only</u> .		Outdoor landscape watering shall be prohibited.
<i>Vehicle Washing</i>	Residential vehicle washing requires a quick-acting automatic positive shut-off valve and is limited to one washing per week during designated watering times.	Large commercial landscapes and City parks shall also be limited to two (2) days per week, as scheduled by the Municipal Services Department	Large commercial landscapes and City parks shall be limited to one (1) day per week, as scheduled by the Municipal Services Department	Large commercial landscaping and City parks shall be limited to one (1) day per month, as scheduled by the Municipal Services Department		
<i>Water Features</i>		Further use of decorative fountains or reflection ponds shall be discontinued until further notice.				
<i>Other</i>			Filling newly constructed or drained swimming pools with City water shall be prohibited.			If there is total well failure, disaster relief from outside the City shall be required.
(a) Water Conservation Ordinance, TMC Chapter 6-7-405						



Water Shortage Contingency Plan

The City will monitor water production, demands, and changing conditions to determine the intensity of its public outreach, the extent of its enforcement actions, and the need to adjust its water shortage level declaration as discussed in Section 9.

4.2 Supply Augmentation and Other Actions

The City’s water supply portfolio consists of native groundwater and recycled water as described in Chapter 6 of the City’s 2020 UWMP. The City manages the use of the local groundwater and currently owns 19 active groundwater wells, and 6 non-potable irrigation wells. If there is total well failure, disaster relief from outside the City shall be required. The City’s surface water supplies are planned to be supplied by the SRWA Regional Surface Water Supply Project (RSWSP) in mid-2023.

Should the City’s water supply portfolio be insufficient to meet the reduced demands of its customers, the City may augment its water supply and take other actions as summarized in Table 6 (DWR UWMP Table 8-3). The shortage level for which each action will commence implementation is provided, along with the estimated extent that the action will reduce the shortage gap. Details regarding operational changes in response to water shortage are provided in Section 4.3.

Table 6. Supply Augmentation and Other Actions (DWR Table 8-3)

Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	How much is this going to reduce the shortage gap? <i>Include volume units used.</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>			
1	Expand Public Information Campaign	1126	10% water demand reduction anticipated
1	Other Actions (describe)	1126	Offer Water Use Surveys: 10% water demand reduction anticipated
1	Other Actions (describe)	1126	Reduce System Water Loss: 10% water demand reduction anticipated
1	Other Actions (describe)	1126	Increase Water Waste Patrols: 10% water demand reduction anticipated
2	Expand Public Information Campaign	2251	10% water demand reduction anticipated in addition to demand reduction observed during shortage level 1
2	Other Actions (describe)	2251	Offer Water Use Surveys: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 1



Water Shortage Contingency Plan

Table 6. Supply Augmentation and Other Actions (DWR Table 8-3)

Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	How much is this going to reduce the shortage gap? <i>Include volume units used.</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>			
2	Other Actions (describe)	2251	Reduce System Water Loss: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 1
2	Other Actions (describe)	2251	Increase Water Waste Patrols: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 1
3	Expand Public Information Campaign	3377	10% water demand reduction anticipated in addition to demand reduction observed during shortage level 2
3	Other Actions (describe)	3377	Offer Water Use Surveys: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 2
3	Other Actions (describe)	3377	Reduce System Water Loss: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 2
3	Other Actions (describe)	3377	Increase Water Waste Patrols: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 2
4	Expand Public Information Campaign	4503	10% water demand reduction anticipated in addition to demand reduction observed during shortage level 3
4	Other Actions (describe)	4503	Offer Water Use Surveys: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 3



Water Shortage Contingency Plan

Table 6. Supply Augmentation and Other Actions (DWR Table 8-3)

Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	How much is this going to reduce the shortage gap? <i>Include volume units used.</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>			
4	Other Actions (describe)	4503	Reduce System Water Loss: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 3
4	Other Actions (describe)	4503	Increase Water Waste Patrols: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 3
5	Expand Public Information Campaign	5629	10% water demand reduction anticipated in addition to demand reduction observed during shortage level 4
5	Other Actions (describe)	5629	Offer Water Use Surveys: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 4
5	Other Actions (describe)	5629	Reduce System Water Loss: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 4
5	Other Actions (describe)	5629	Increase Water Waste Patrols: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 4
6	Expand Public Information Campaign	6754	10% water demand reduction anticipated in addition to demand reduction observed during shortage level 5
6	Other Actions (describe)	6754	Offer Water Use Surveys: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 5



Water Shortage Contingency Plan

Table 6. Supply Augmentation and Other Actions (DWR Table 8-3)

Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	How much is this going to reduce the shortage gap? <i>Include volume units used.</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>			
6	Other Actions (describe)	6754	Reduce System Water Loss: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 5
6	Other Actions (describe)	6754	Increase Water Waste Patrols: 10% water demand reduction anticipated in addition to demand reduction observed during shortage level 5
NOTES: Volumes are in MG. The amount of shortage gap reduction is based on reductions to the base water demand of 11,257 MG in 2025.			

4.3 Operational Changes

The City may modify its operations on a short-term or long-term basis in response to any water shortage condition. The City may take any one or a combination of the following actions.

1. The City may expedite repairs of leaks in its water distribution system. All meter leaks and emergency breaks would be repaired immediately after being reported. Non-emergency service line and main breaks would be repaired within three business days after detection.
2. During the duration of the water shortage condition, the City may limit its regular maintenance water system flushing operations such that flushing is conducted only in areas with known water quality issues.

4.4 Emergency Response Plan

As stated in Section 3, the City's water shortage levels outlined in TMC Section 6-7-405 apply to both foreseeable and unforeseeable water supply shortage conditions, including catastrophic water shortage conditions.

The City's 2017 *Water System Emergency Operations Plan (EOP)* addresses extreme weather emergencies such as droughts when catastrophic water shortage conditions may occur. Water shortage emergency response is coordinated with the County's Advisory Water Committee per the Stanislaus County 2015 Water Contingency Plan. The EOP and Stanislaus County Water Contingency Plan outline response procedures associated with unforeseeable incidents such as water supply contamination, earthquake, infrastructure failure, and other events. The EOP includes actions to be taken in preparation for, during, and recovery from such events.



Water Shortage Contingency Plan

The City's response planning for continued water service includes the use of standby generators, water purification supplies and equipment, emergency drinking water storage, and water trucks. Water storage, treatment, and pumping facilities have been constructed to meet earthquake safety standards and are inspected regularly.

The City does not yet maintain any treated water interties with other agencies. However, once the Regional Surface Water Supply Project is operational, the City will have access to surface water from the Tuolumne River. The facilities of the Regional Surface Water Supply Project may supply emergency water to maintain normal distribution during a catastrophic supply interruption. Alternatively, if the catastrophic supply interruption is related to the surface water supply, the City will use the existing groundwater wells to provide sufficient water for health, sanitation, and fire protection for the duration of the emergency.

5.0 COMMUNICATION PROTOCOLS

In the event of a water shortage, the City must inform their customers, the general public and interested parties, and local, regional, and state entities. Communication protocols for foreseeable and unforeseeable events are provided in this section. In any event, timely and effective communication must occur for appropriate response to the event. City staff are provided cell phones and City email accounts to communicate internally and externally.

5.1 Communication for Foreseeable Events

Water shortage may be foreseeable when the City conducts its AWSDA as described in Section 2. When the City determines the potential of a water shortage event, the City Council may find, determine and declare a water shortage emergency, and the associated water shortage level, in accordance with TMC Chapter 6-7-403.

The following communications protocol and procedures will be followed. The City may trigger any of these communication protocols at any water shortage level.

1. If a water shortage emergency is anticipated, the City will coordinate interdepartmentally and with Stanislaus County for the possible proclamation of a local emergency.
2. The City may hold a duly noticed City Council meeting in which the AWSDA findings and recommendations for a water shortage emergency and shortage response actions are presented.
3. The Municipal Services Director, or his or her designee, shall monitor the projected supply and demand for water by its customers, with heightened emphasis during the months of March through October.
4. The Municipal Services Director, or his or her designee, shall recommend to the City Manager and City Council the extent of the conservation compliance stage required in order for the City to prudently plan for and supply water to its customers.
5. The City Council may order that the appropriate stage of water conservation be implemented or terminated in accordance with the applicable provisions of this chapter. When implementing mandatory water conservation compliance Stages 2, 3, 4, 5 and 6, said order shall be made by public announcement and shall be published a minimum of one (1) time in a daily newspaper of general circulation and shall become effective immediately



Water Shortage Contingency Plan

upon such publication. Other forms of communication to inform customers, the public, and government entities shall include social media postings, email to customers and businesses in Turlock and radio broadcast. Public entities and officials are informed of water shortage information via email.

5.2 Communication for Unforeseeable Events

Water shortage may occur during unforeseeable events such as earthquakes, fires, infrastructure failures, civil unrest, and other catastrophic events. The City's EOP provides specific communication protocols and procedures to convey water shortage contingency planning actions during these events. The City may trigger any of these communication protocols at any water shortage level, depending on the event.

In general, communications and notifications should proceed along the chain of command. Notification decisions will be made under the direction of the Municipal Services Director or their designee. External communications will be managed by the Municipal Services Director or their designee. All City staff are provided their communication responsibilities. The Regulatory Compliance Officer and the Municipal Services Director will work with the Municipal Services Department staff to notify regulatory agencies. The EOP provides a list of relevant contacts to notify at the local, regional, and state level.

To maintain the security of the City water system, the EOP is maintained as a confidential document and may not be incorporated in this UWMP.

6.0 COMPLIANCE AND ENFORCEMENT

TMC Chapter 6-7 supports the implementation of the City's water shortage contingency actions. This text includes provisions for compliance and enforcement of its water use regulations, restrictions, and prohibitions and is available on the City's website. An update of the current water shortage stage, referencing TMC Chapter 6-7-405, is highlighted on the City's water conservation website (<https://www.cityofturlock.org/watersewergarbage/waterconservation/>) to notify the public of year-round regulations and water restrictions.

When a water shortage is anticipated, the City Council determines the degree of the water shortage emergency and makes a declaration of the water shortage stage. The City Council may also hold a duly noticed public meeting to discuss the water shortage emergency.

Since the City service area is fully metered, customer water use can be quantified and compared to determine their extent of compliance to water reduction requirements. The City may also become aware of non-compliance through its water waste reporting outreach or through staff inspections. Non-compliance is deemed as a violation and is classified as an infraction. Each day of continued violation is considered as a separate offense.

The Municipal Services Director or their designee and duly designated representatives are authorized to enforce provisions of TMC Chapter 6-7 and make determinations with regard to the customer water allocations provided in TMC Chapter 6-7. For these purposes, they have the power and discretion of a law enforcement office.



Water Shortage Contingency Plan

6.1 Shortage Level Enforcement and Penalties

Enforcement and penalties for non-compliance with each stages' restrictions are provided in TMC 6-7-410. When the City becomes aware of a customer violating, causing, or permitting a violation of the restrictions prohibitions presented in Table 5 for any of the Water Shortage Stages, the City issues a notice that describes the nature of the violation and includes an order that the violation be corrected within a stated period. Upon occurrence of a second violation or failure to correct the initial violation, the City issues a second notice ordering immediate correction and imposing a surcharge of \$50. Upon occurrence of a third violation or failure to correct the initial violation, the City issues a third notice ordering immediate correction and imposing a surcharge of \$100. Upon occurrence of a fourth violation, and each subsequent violation, or failure to correct the initial violation, the City issues an additional notice ordering immediate correction and imposing a surcharge of \$250. The Municipal Services Director or designee may issue an order to cease and desist until appropriate remedial actions are taken. For continued violation, the Municipal Services Director or designee may order discontinuance of service.

Thirty days after the effective date of the Council's declaration of a water shortage emergency or the effective date stated in the resolution is considered as an adjustment period during which no penalties will be imposed for water usage in excess of the allocation described in Table 6.

Thirty-one days after the effective date, any customer who exceeds the established allocation in any monthly billing cycle is charged an excess use charge in addition to all other charges. For continued violation, the customer is issued a warning. If the violation is not corrected, the City may issue additional penalties.

6.2 Appeal and Exemption Process

Per TMC Chapter 6-7-411 and 6-7-412, utility customers may appeal a Notice of Acts Constituting Water Wasting by submitting a written appeal to the Municipal Services Director within fifteen calendar days from the date of service of the Notice of Acts Constituting Water Wasting, or any water wasting penalty assessed to his or her account. The written appeal should include supporting facts and reasons. The hearing officer may hold an appeal hearing, where the appellant and the Municipal Services Director are heard. At the conclusion of hearing the appeal, the hearing officer may affirm, reverse or modify the Notice of Acts Constituting Water Wasting. The hearing officer's action on the appeal is final.

7.0 LEGAL AUTHORITIES

Title 6, Chapter 7 of the TMC, most recently amended by Ordinance Nos. 1209 CS (June 2015), 1222 CS (May 2016), and 1286-CS (June 2021) contains a water wasting prohibition section that prohibits the wasteful use of water during normal water years. This section prohibits specific water wasting appurtenances (such as "once through" cooling systems and "slip n slides"), general water waste, and requires proper maintenance of water pipes and fixtures to prevent leaks. This City Code is in line with the goals of the California Urban Water Conservation Council (CUWCC) Memorandum of Understanding (MOU). At time of preparation of this WSCP, the City updated TMC Chapter 6-7-405 to incorporate updates presented herein.

When a water shortage is determined, the City will coordinate interdepartmentally and with Stanislaus County for the possible proclamation of a local emergency in accordance with California Government Code, California Emergency Services Act (Article 2, Section 8558).



Water Shortage Contingency Plan

In accordance with TMC Chapter 6-7 and California Water Code Chapter 3, Division 1, Section 350 et seq, the City Council is required, unless an immediate emergency exists, to conduct a duly noticed public meeting for the purpose of determining whether a water shortage emergency condition exists and, if so, the degree of the emergency and what regulations and restrictions should be enforced in response to the shortage. The City shall declare a water shortage emergency in accordance with CWC Chapter 3 Division 1.

Water Code Section Division 1, Section 350

...The governing body of a distributor of a public water supply...shall declare a water shortage emergency condition to prevail within the area served by such distributor whenever it finds and determines that the ordinary demands and requirements of water consumers cannot be satisfied without depleting the water supply of the distributor to the extent that there would be insufficient water for human consumption, sanitation, and fire protection.

The water shortage emergency declaration triggers communication protocols described in Section 5 of this WSCP and compliance and enforcement actions described in Section 6 of this WSCP.

8.0 FINANCIAL CONSEQUENCES OF WSCP

The City maintains an adequate operational reserve to protect against a temporary water shortage. The City anticipates reduced revenue due to decreased water use by its customers and additional costs associated with implementing water use restrictions and associated compliance actions. Reduced revenue and costs associated with compliance actions are considered in the City's water rate study.

9.0 MONITORING AND REPORTING

The City's water system is fully metered, from its water supply sources to individual customer meters. These meters, along with other enforcement actions, may be used as monitoring tools for compliance and reporting purposes. Other enforcement actions the City may use include online water violation reports and part-time water conservation staff.

Customers' water meters can be read per billing period to track the extent of their compliance with the City's water use restrictions. The first billing period after the effective date of the City Council's declaration of a water shortage emergency is considered as an adjustment period during which no penalties will be imposed for water usage in excess of the allocation. The second and subsequent billing period after the effective date is used to determine if a customer exceeds the established allocation for the City Council-declared water shortage level as discussed in Section 4.1/ TMC 6-7-405 and 410. The City may use readings from water meters to track compliance and determine required enforcement actions.

The City's meters at its groundwater production wells provide a systemwide overview of water supply and demands and assess progress in meeting the water shortage objectives. Water production information may be read on a daily basis. The information collected from these meters allows the City to determine the extent of implementation of public outreach and enforcement actions, and adjust other water shortage response actions.



Water Shortage Contingency Plan

At the time of preparation of this WSCP, the State Water Board is preparing regulations for monthly reporting of water production and other uses, along with associated enforcement metrics. The City regularly records its water meter readings, along with enforcement actions, ensuring that the City will be able to comply with upcoming reporting requirements.

10.0 WSCP REFINEMENT PROCEDURES

This WSCP is an adaptive management plan. It is subject to refinements as needed to ensure that the City's shortage response actions and mitigation strategies are effective and produce the desired results. Based on monitoring described in Section 9 and the need for compliance and enforcement actions described in Section 6/TMC 6-7-410 of this WSCP, the City may adjust its response actions and may modify its WSCP. When a revised WSCP is proposed, the revised WSCP will undergo the process described in Section 12 for adoption by the City Council and distribution to the City, its customers, and the general public.

10.1 Systematic Monitoring

The City will monitor meters at its water sources to evaluate the overall effectiveness of its response actions in meeting the declared water shortage level. Should overall demands not meet or exceed the goals of the declared water shortage level, the intensity of public outreach for water conservation and the extent of enforcement of water use restrictions may be increased. Conversely, should overall demands continue to be substantially less than the goals of the declared water shortage level, the intensity of public outreach for water conservation and the extent of enforcement of water use restrictions may be decreased.

The City may implement operational changes and implement supply augmentation in combination with enforcement of its water use restrictions and prohibitions to meet the objectives of the water shortage level while maintaining overall public health and safety.

10.2 Feedback from City Staff and Customers

Feedback from City staff and the public is important in refining or incorporating new actions. The City seeks input from staff who interface with customers to gauge the effectiveness of its response actions and for response action ideas.

Customer water meter data may be evaluated for each customer sector or each individual customer. The City tracks water use violations and may evaluate their frequency to determine restrictions that customers may not be able to meet. This evaluation may also show water demand reduction actions that customers may effectively implement.

The City seeks input from its customers and the general public through its website, through public hearings, and through regularly scheduled City Council meetings.

11.0 SPECIAL WATER FEATURE DISTINCTION

The City distinguishes special water features, such as decorative fountains and ponds, differently from pools and spas. Special water features are regulated separately. Regulations under TMC 6-7-405 prohibit the use of water in fountains and reflective ponds in Stage 2 and more restrictive stages.



Water Shortage Contingency Plan

12.0 PLAN ADOPTION, SUBMITTAL, AND AVAILABILITY

This WSCP is adopted concurrently with the City's 2020 UWMP, by separate resolution. Prior to adoption, a duly noticed public hearing was conducted. A hard copy of this WSCP will be submitted to the DWR within 30 days of adoption, along with an electronic copy.

No later than 30 days after submittal to DWR, copies of this WSCP will be available at the City's offices. A copy will also be provided to Stanislaus County. An electronic copy of this WSCP as well as the 2020 UWMP will also be available for public review and download on the City's website.

Turlock Municipal Code Title 6 Chapter 7

(THIS PAGE LEFT BLANK INTENTIONALLY)

Chapter 6-7

WATER CONSERVATION AND EDUCATION

Sections:

Article 1. Purpose

6-7-101 Repeal.

6-7-102 Purpose.

6-7-103 Findings.

Article 2. Education

6-7-201 Education.

Article 3. Water Conservation Schedule and Prohibitions

6-7-301 Outdoor landscape watering.

6-7-302 Prohibitions.

Article 4. Emergency Water Shortage Plan

6-7-401 Title.

6-7-402 Declaration of policy: Purpose.

6-7-403 City Manager: Authorized action.

6-7-404 Application.

6-7-405 Water conservation stages.

6-7-406 Mandatory conservation compliance phase implementation.

6-7-407 Water wasting prohibited.

6-7-408 Acts constituting water wasting.

6-7-409 Notice of Acts Constituting Water Wasting.

6-7-410 Penalty fee assessment for water wasting.

6-7-411 Appeal.

6-7-412 Appeal hearing request.

6-7-413 Failure to pay penalty fee.

Article 1. Purpose

6-7-101 Repeal.

Turlock City Council Resolution No. 90-68 is hereby repealed in its entirety by this section.

(1209-CS, Amended, 06/25/2015; 724-CS, Enacted, 03/26/1991)

6-7-102 Purpose.

The purpose and intent of the Council in enacting this chapter is to protect the health, safety, welfare, and interest of the public and of patrons of establishments regulated by this Code by requiring that the patrons, establishments, and persons conserve and not waste water by requiring that such establishments and persons conform to the water conservation procedures set forth in this chapter.

(1209-CS, Amended, 06/25/2015; 724-CS, Enacted, 03/26/1991)

6-7-103 Findings.

(a) As a result of the drought and the understanding that water is a precious resource, the City Council finds that any ordinance relating to the conservation of water is an urgency matter for the health, safety, and general welfare of the public; and

(b) The Constitution of the State of California and California Case Law provide that water shall not be wasted; and

(c) The provisions of TMC 6-5-117(e) entitled "Prohibited acts" provides that no person shall waste water; and

(d) To prevent the waste of water it is the intent of the City Council of the City of Turlock to adopt reasonable rules regulating the use of water for outdoor landscape watering and other ancillary uses; and

(e) The City Council is mindful of the importance of conserving water.

(1209-CS, Amended, 06/25/2015; 724-CS, Enacted, 03/26/1991)

Article 2. Education

6-7-201 Education.

(a) The City Council, as part of supplementation of this chapter, will provide information to the public through the City Manager and City departments regarding the proper use to minimize the volume of water needed for a given function.

(b) The Council, in an effort to carry out its findings and legislative purpose, sponsors this educational program with the intent that through proper education and implementation of water conservation procedures persons and establishments may continue to function with a significant savings in the volume of water.

(1209-CS, Amended, 06/25/2015; 724-CS, Enacted, 03/26/1991)

Article 3. Water Conservation Schedule and Prohibitions

6-7-301 Outdoor landscape watering.

(a) Outdoor landscape watering is prohibited between the hours of 9:00 a.m. and 9:00 p.m.

6-7-302 Prohibitions.

(a) Newly planted lawns may be allowed daily watering only until the second mowing has been completed upon notification of the Municipal Services Department prior to planting.

(b) The washing down or hosing of recreational vehicles, sidewalks, gutters, outside structures, or other exterior surfaces without prior written consent of the Municipal Services Director or his designee is prohibited and a violation of this chapter. Sweeping or brushing is required unless prior approval for water use is obtained.

(c) The filling of wading pools is permitted, but "slip-n-slides" and other recreational activities requiring a constant flow of water are prohibited.

(d) The washing of vehicles at a residence is allowed only if a quick-acting automatic positive shut-off valve is used and in proper operating condition and is limited to one (1) such washing per week per vehicle during designated watering days and times.

(1209-CS, Amended, 06/25/2015; 724-CS, Enacted, 03/26/1991)

Article 4. Emergency Water Shortage Plan

6-7-401 Title.

There is hereby established the "City of Turlock Emergency Water Shortage Plan."

(1209-CS, Amended, 06/25/2015; 785-CS, Amended, 06/23/1992; 778-CS, Enacted, 04/28/1992)

6-7-402 Declaration of policy: Purpose.

(a) Declaration of policy. The City Council hereby declares that the general welfare requires that the water resources available to the City be put to the maximum beneficial use to the extent to which the City is capable, and that the waste of, unreasonable use of, or unreasonable method of use of water be prevented. The conservation of such water is to ensure the reasonable and beneficial use thereof in the interests of the people of the City of Turlock and for the public welfare.

(b) Purpose. The City Council finds and declares that consolidating the provisions of Ordinance Number 778-CS and Ordinance Number 782-CS into one (1) readily accessible document shall provide a more professional and usable work product as well as promote a better public understanding of the various procedures and provisions of the Turlock Emergency Water Shortage Plan. Additionally, adding provisions prohibiting water wasting and defining the acts which so constitute water wasting advances the purpose and policy of the Turlock Emergency Water Shortage Plan.

(1209-CS, Amended, 06/25/2015; 785-CS, Amended, 06/23/1992; 778-CS, Enacted, 04/28/1992)

6-7-403 City Manager: Authorized action.

The City Manager, or his or her designee, is hereby authorized and directed to implement the provisions of this chapter upon a declaration by the City Council that a water shortage emergency condition prevails as specified in Section 6-7-405.

6-7-404 Application.

The provisions of this chapter shall apply to all persons, customers, and property served by the City of Turlock.

(1209-CS, Amended, 06/25/2015; 785-CS, Amended, 06/23/1992; 778-CS, Enacted, 04/28/1992)

6-7-405 Water conservation stages.

(a) Stage 1. Mandatory water conservation compliance: Warning. Upon implementation of this chapter by the City Council pursuant to Water Code Section 350, and publication

of notice that Stage 1 mandatory water conservation compliance measures are in effect, in addition to the Outdoor Landscape Watering, Water Use Prohibitions, and Acts Constituting Water Wasting, the following mandatory conservation compliance measures shall apply:

(1) Outdoor landscape watering. Outdoor landscape watering shall be limited to three (3) times per week on an odd-even basis. If the address ends in an even number, the water days shall be Tuesdays, Thursdays, and Saturdays. If the address ends in an odd number, the watering days shall be Wednesdays, Fridays, and Sundays. No outdoor landscape watering on Mondays. Drip irrigation systems shall be exempt.

(2) Outdoor landscape watering is prohibited between the hours of 9:00 a.m. and 9:00 p.m.

(3) Large commercial landscapes and City parks may have individual watering schedules approved by the Municipal Services Department.

(4) Residential vehicle washing. Residents shall be allowed to wash their vehicles as established by TMC 6-7-302(d).

(b) Stage 2. Mandatory water conservation compliance: Warning. Upon implementation of this chapter by the City Council pursuant to Water Code Section 350,, and publication of notice that Stage 2 mandatory water conservation compliance measures are in effect, in addition to the Outdoor Landscape Watering, Water Use Prohibitions, and Acts Constituting Water Wasting and Stage 1 measures, the following Stage 2 mandatory conservation compliance measures shall apply:

(1) Outdoor landscape watering. Outdoor landscape watering shall be limited to two (2) times per week on an odd-even basis. If the address ends in an even number, the watering days shall be Tuesdays and Saturdays. If the address ends in an odd number, the watering days shall be Wednesdays and Sundays. No outdoor landscape watering on Monday, Thursday, and Friday. Drip irrigation systems shall be exempt.

(2) Large commercial landscapes and City parks shall also be limited to two (2) days per week, as scheduled by the Municipal Services Department.

(c) Stage 3. Mandatory water conservation compliance: Warning. Upon implementation of this chapter by the City Council pursuant to Water Code Section 350, and publication of notice that Stage 3 mandatory water conservation compliance measures are in effect, in addition to the Outdoor Landscape Watering, Water Use Prohibitions, and Acts Constituting Water Wasting, Stage 1 and Stage 2 measures and the following Stage 3 mandatory conservation compliance measures shall apply:

(1) Outdoor landscape watering shall be limited to one (1) day per week on an odd-even basis. If the address ends in an even number, the watering day shall be Saturdays. If the address ends in an odd number, the watering day shall be Sundays. No outdoor landscape watering Monday through Friday. Drip irrigation systems shall be exempt.

(2) Large commercial landscaping and City parks shall be limited to one (1) day per week, as scheduled by the Municipal Services Department.

(3) Construction water from City fire hydrants shall be banned but recycled water from the City of Turlock's Regional Water Quality Control Facility may be made available for construction water purposes.

(4) Washing of automobiles, trucks, trailers, boats, airplanes, and other types of mobile equipment not occurring upon the immediate premises of commercial car washes and commercial service stations and not in immediate interest of the public health, safety, and welfare shall be prohibited.

(5) Further use of decorative fountains or reflection ponds shall be discontinued until further notice.

(d) Stage 4. Mandatory water conservation compliance: Warning. Upon implementation of this chapter by the City Council pursuant to Water Code Section 350, and publication of notice that Stage 4 mandatory water conservation compliance measures are in effect, in addition to the Outdoor Landscape Watering, Water Use Prohibitions, and Acts Constituting Water Wasting, Stage 1, Stage 2 and Stage 3 measures and the following Stage 4 mandatory conservation compliance measures shall apply:

(1) Outdoor landscape watering shall be limited to one day per week, for trees only, only if a quick-acting automatic positive shut-off valve is used and in proper operating condition

(e) Stage 5. Mandatory water conservation compliance: Warning. Upon implementation of this chapter by the City Council pursuant to Water Code Section 350, and publication of notice that Stage 5 mandatory water conservation compliance measures are in effect, in addition to the Outdoor Landscape Watering, Water Use Prohibitions, and Acts Constituting Water Wasting, Stage 1, Stage 2 Stage 3 and Stage 4 measures and the following Stage 5 mandatory conservation compliance measures shall apply:

(1) Large commercial landscaping and City parks shall be limited to one (1) day per month, as scheduled by the Municipal Services Department.

(f) Stage 6. Mandatory water conservation compliance: Warning. Upon implementation of this chapter by the City Council pursuant to Water Code Section 350, and publication of notice that Stage 6 mandatory water conservation compliance measures are in effect,

in addition to the Outdoor Landscape Watering, Water Use Prohibitions, and Acts Constituting Water Wasting, Stage 1, Stage 2 Stage 3, Stage 4 and Stage 5 measures and the following Stage 6 mandatory conservation compliance measures shall apply:

- (1) Industry and commercial businesses shall be required to curtail consumption to maintain adequate supplies of water for health and safety
- (2) Outdoor landscape watering shall be prohibited
- (3) Filling newly constructed or drained swimming pools with City water shall be prohibited.

6-7-406 Mandatory conservation compliance phase implementation.

(a) The Municipal Services Director, or his or her designee, shall monitor the projected supply and demand for water by its customers, with heightened emphasis during the months of March through October.

(b) The Municipal Services Director, or his or her designee, shall recommend to the City Manager the extent of the conservation compliance stage required in order for the City to prudently plan for and supply water to its customers.

(c) The City Manager may order that the appropriate stage of water conservation be implemented or terminated in accordance with the applicable provisions of this chapter. When implementing mandatory water conservation compliance Stages 2, 3, and 4 said order shall be made by public announcement and shall be published a minimum of one (1) time in a daily newspaper of general circulation and shall become effective immediately upon such publication.

(1209-CS, Amended, 06/25/2015; 785-CS, Amended, 06/23/1992; 778-CS, Enacted, 04/28/1992)

6-7-407 Water wasting prohibited.

Water wasting, as defined by TMC 6-7-408, is prohibited.

(1209-CS, Amended, 06/25/2015; 785-CS, Enacted, 06/23/1992)

6-7-408 Acts constituting water wasting.

For the purposes of this title, acts constituting water wasting shall mean and include, but shall not be limited to, any of the following acts:

(a) Failure to comply with the City of Turlock Emergency Water Shortage Plan, any conservation stage declared thereunder, and/or any guidelines or outdoor landscape watering schedules in effect pursuant thereto.

(b) Watering outdoor landscape areas or gardens such that excess water leaves the property or area being watered.

(c) Watering outdoor landscaping while raining and within forty-eight (48) hours following any measurable rainfall.

(d) Washing vehicles, boats, or equipment during restricted days or hours; and/or using an open hose not equipped with a quick-action automatic shut-off valve while so doing.

(e) Flosing down driveways, streets, sidewalks, parking lots, and building exteriors without the prior written consent of the Director of Municipal Services or his designee. If consent is given, any restrictions on the frequency, timing, or method would remain in effect unless a health or safety condition existed.

(f) Having leaky faucets, irrigation valves, sprinkler heads, or plumbing fixtures on the premises.

(g) Operating evaporated coolers which are not equipped with a recirculating pump.

(1209-CS, Amended, 06/25/2015; 785-CS, Enacted, 06/23/1992)

6-7-409 Notice of Acts Constituting Water Wasting.

(a) Any person committing any act which constitutes the wasting of water, as provided in TMC 6-7-408, shall be served Notice of Acts Constituting Water Wasting.

(b) This Notice of Acts Constituting Water Wasting shall serve as a first warning and first Notice of Acts Constituting Water Wasting and shall:

(1) Identify the date, time, and circumstances of the violation;

(2) State the amount of the potential penalty for water wasting;

(3) Advise the customer of his or her appeal rights as provided herein;

(c) The Notice of Acts Constituting Water Wasting shall be served on any person committing any act which constitutes the wasting of water, as provided in TMC 6-7-408, shall be served Notice of Act Constituting Water Wasting.

(1209-CS, Amended, 06/25/2015; 785-CS, Enacted, 06/23/1992)

6-7-410 Penalty fee assessment for water wasting.

(a) A penalty in the sum of Fifty and no/100ths (\$50.00) Dollars shall be assessed to the utility customer's account for a second violation within said one (1) year after being served with a first warning and a first Notice of Acts Constituting Water Wasting, pursuant to TMC 6-7-409. This penalty shall be waived if the owner of the premises where the violation occurred, or the occupant (if different than the owner, and the occupant committed the violation), attends a water conservation education workshop offered by the City within sixty (60) days after date of the penalty notice; provided, that only one (1) such penalty waiver shall be allowed for the premises within any twenty-four (24) month period.

(b) A penalty in the sum of One Hundred and no/100ths (\$100.00) Dollars shall be assessed to the utility customer's account for a third violation within said one (1) year after being served with a Notice of Acts Constituting Water Wasting, pursuant to TMC 6-7-409.

(c) A penalty in the sum of Two Hundred-Fifty and no/100ths (\$250.00) Dollars shall be assessed to the utility customer's account for a fourth and each subsequent violation within said one (1) year after being served with a Notice of Acts Constituting Water Wasting, pursuant to TMC 6-7-409.

(1209-CS, Amended, 06/25/2015; 785-CS, Enacted, 06/23/1992. Formerly 6-7-411)

6-7-411 Appeal.

(a) Any person issued a Notice of Acts Constituting Water Wasting shall have the right to appeal to the Municipal Services Director, or his or her designee, the Notice of Acts Constituting Water Wasting, or any water wasting penalty assessed to his or her account.

(b) The appeal hearing shall be held before the Municipal Services Director, or his or her designee. After hearing all of the evidence presented, he or she shall make the final administrative determination regarding the matter.

(c) The customer shall be allowed to present such witnesses and evidence as he or she may desire.

(d) Such appeal hearing is an administrative hearing and the rules of evidence shall not apply.

(1209-CS, Amended, 06/25/2015; 785-CS, Enacted, 06/23/1992. Formerly 6-7-412)

6-7-412 Appeal hearing request.

(a) The utility customer must request an appeal hearing in writing within fifteen (15) calendar days from the date of service of the Notice of Acts Constituting Water Wasting, or any water wasting penalty assessed to his or her account, unless the fifteenth day falls on a weekend or City observed holiday.

(b) The request for hearing shall be addressed to the Municipal Services Director and shall be deemed served only when received by the City. Failure to properly serve the request for hearing within the fifteen (15) calendar day period shall be deemed a waiver of the right to appeal the matter and the penalty will be assessed against the customer's account unless the fifteenth day falls on a weekend or City observed holiday.

(c) The hearing officer shall give written notice by mail to the utility customer of the date, time, and location of the appeal hearing, which hearing shall be held no sooner than ten (10) days from receipt of the request for hearing and no longer than thirty (30) days from receipt of such request.

(d) The decision of the hearing officer shall be final. If the Notice of Acts Constituting Water Wasting, or any water wasting penalty assessed to an account is upheld, the penalty shall be assessed to the customer's account.

(1209-CS, Amended, 06/25/2015; 785-CS, Enacted, 06/23/1992. Formerly 6-7-413)

6-7-413 Failure to pay penalty fee.

Failure of any utility customer to pay the penalty imposed pursuant to this article as required shall be grounds to discontinue utility service until compliance is obtained.

(1209-CS, Amended, 06/25/2015; 785-CS, Enacted, 06/23/1992. Formerly 6-7-415)

6-7-414 Hand watering exemption.

At the discretion of the Municipal Services Director, or their designee, outdoor landscape hand-watering may be permitted before 9:00 AM and after 7:00 PM if:

- A. Hand watering is the only form of watering available
- B. It is the correct watering day for the address
- C. Plants and groundcover are drought tolerant
- D. Hand watering is not left unattended (hose left on the ground, running unattended)

- E. No more than 50 gallons of water is used for hand watering on any given watering day

An exemption request is submitted to Municipal Services Department and approved by the Director or their designee.

(THIS PAGE LEFT BLANK INTENTIONALLY)



Appendix J

Water Rates

(THIS PAGE LEFT BLANK INTENTIONALLY)

6-5-501 Fees and charges. Revised 3/20

(a) All service connections shall be metered.

(b) Fees and Charges.

(1) Monthly water charges shall consist of the following three components: commodity charge, capacity charge, and a customer charge.

(2) Each service connection shall pay the fees and charges as set forth below:

Effective date >	3/1/2018	1/1/2019	1/1/2020	1/1/2021	1/1/2022
Commodity Charge, \$ per 1,000 gallons					
Single-Family	\$0.84	\$1.00	\$1.20	\$1.47	\$1.76
Multi Residential/ Commercial/Industrial/Institutional	\$0.63	\$0.75	\$0.89	\$1.08	\$1.28
Landscape	\$0.99	\$1.20	\$1.45	\$1.78	\$2.16
Capacity Charge, \$ per meter per month					
1" or less	\$28.00	\$32.70	\$38.10	\$45.20	\$52.70
1-1/2"	\$56.00	\$65.00	\$76.00	\$90.00	\$105.00
2"	\$90.00	\$104.00	\$122.00	\$145.00	\$169.00
3"	\$196.00	\$229.00	\$267.00	\$316.00	\$369.00
4"	\$336.00	\$392.00	\$457.00	\$542.00	\$633.00
6"	\$700.00	\$816.00	\$952.00	\$1,130.00	\$1,318.00
8"	\$1,344.00	\$1,567.00	\$1,829.00	\$2,170.00	\$2,531.00
10"	\$2,128.00	\$2,482.00	\$2,895.00	\$3,435.00	\$4,008.00
Customer Charge, \$ per account per month	\$3.50	\$4.10	\$4.75	\$5.65	\$6.55

(c) Inaccurate Meter. An inaccurate meter shall be charged as follows:

(1) Either an average of the three (3) months' prior usage; or

(2) The charge of the same month for the previous year, whichever is greater.

(d) Standby Charges (this rate is in addition to the water charges shown above). This charge is for customers who use the City water supply as a backup water source.

Size of Service	Effective July 1, 2007	Effective July 1, 2008
2"	\$219.00	\$230.00
4"	\$655.00	\$687.00
6"	\$1,310.00	\$1,374.00
8"	\$2,293.00	\$2,405.00

(1274-CS, Amended, 02/13/2020; 1240-CS, Amended, 02/08/2018; 1194-CS, Amended, 04/08/2014; 1155-CS, Amended, 09/22/2011; 1101-CS, Amended, 11/08/2007; 1027-CS, Amended, 06/10/2004; 1019-CS, Added, 02/12/2004)

Article 6. Non-metered Services

6-5-601 Residences (apartments, mobile home parks, recreation rooms, etc.).

(a) Per living unit:

Number of Rooms	Charge Per Living Unit	Effective July 1, 2004	Effective July 1, 2005	Effective July 1, 2006	Effective July 1, 2007	Effective July 1, 2008
0-5 Rooms	\$7.05	\$9.35	\$11.35	\$13.30	\$14.80	\$15.55
6-8 Rooms	\$7.90	\$10.50	\$12.70	\$14.90	\$16.55	\$17.40
More than 8 Rooms	\$8.70	\$11.55	\$14.00	\$16.45	\$18.25	\$19.15

(b) Landscaping - based on square footage of lot:

Square	Rate	Effective July 1				
--------	------	------------------	------------------	------------------	------------------	------------------

Footage	Rate	July 1, 2004	July 1, 2005	July 1, 2006	July 1, 2007	July 1, 2008
0 to 5,500 Square Feet	\$5.55	\$7.35	\$8.95	\$10.50	\$11.65	\$12.25
Each additional 2,000 square feet or fraction thereof	\$0.85	\$1.15	\$1.35	\$1.60	\$1.80	\$1.85

(1027-CS, Amended, 06/10/2004; 1019-CS, Added, 02/12/2004)

6-5-602 Commercial non-metered accounts.

(a) Non-water related establishments. Charges to be based on sewer fixture units as follows:

	Existing	Effective July 1, 2004	Effective July 1, 2005	Effective July 1, 2006	Effective July 1, 2007	Effective July 1, 2008
(1) 1 to 15 fixture Units	\$9.45	\$13.00	\$15.75	\$18.25	\$20.50	\$21.50
(2) Each additional 5 Units or portion thereof:	\$0.85	\$1.15	\$1.40	\$1.60	\$1.80	\$1.90
(3) When water is available but not related to fixture units, such as for landscaping: minimum charge	\$9.45	\$13.00	\$15.75	\$18.25	\$20.50	\$21.50

(b) Water related establishments. Shall be charged as follows:

	Existing	Effective July 1, 2004	Effective July 1, 2005	Effective July 1, 2006	Effective July 1, 2007	Effective July 1, 2008

(1) Barber/beauty shops or electrologists/manicurist per operator/station:	\$9.45	\$13.00	\$15.75	\$18.25	\$20.50	\$21.50
Minimum Charge:	\$10.50	\$14.45	\$17.50	\$20.30	\$22.80	\$23.90
(2) Boarding houses, convalescent hospitals, dormitories, hotels, lodging houses and rooming houses (per bed charge):	\$3.15	\$4.35	\$5.25	\$6.10	\$6.85	\$7.15
(3) Carnivals and circuses: For each water service one inch (1") or less in size (per day):	\$9.45	\$13.00	\$15.75	\$18.25	\$20.50	\$21.50
(4) Carnivals and circuses: For each water service greater than 1" (per day):	\$78.75	\$108.35	\$131.25	\$152.10	\$170.85	\$170.15
(5) Churches, halls, auditoriums						
plus fixture units:	\$15.75	\$21.65	\$26.25	\$30.40	\$34.17	\$35.85
(6) Dentists per chair:	\$6.30	\$8.65	\$10.50	\$12.15	\$13.65	\$14.35
(7) Doctors, medical (per Doctor) (includes but not limited to chiropractor, optometrist and veterinary offices):	\$12.60	\$17.35	\$21.00	\$24.35	\$27.35	\$28.65

	Existing	Effective July 1,				
--	-----------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------

		2004	2005	2006	2007	2008
(8) Food outlets/eating and drinking establishments:						
(i) Food outlet wherein meats, fresh vegetable or groceries are sold and/or exchanged shall be charged: (plus fixture unit cost shown above)	\$15.75	\$21.65	\$26.25	\$30.40	\$34.17	\$35.85
(ii) Eating/drinking establishments (maximum occupancy load). Cost per seat:						
First 50	\$0.79	\$1.10	\$1.30	\$1.55	\$1.70	\$1.80
51-100	\$0.63	\$0.85	\$1.05	\$1.20	\$1.35	\$1.45
Over 100	\$0.47	\$0.65	\$0.80	\$0.90	\$1.00	\$1.05
Minimum Charge	\$35.70	\$49.11	\$59.50	\$68.94	\$77.44	\$81.22
(iii) Bakeries without seats, including takeout only food, establishments	\$22.05	\$30.33	\$36.75	\$42.58	\$47.83	\$50.17

	Existing	Effective July 1, 2004	Effective July 1, 2005	Effective July 1, 2006	Effective July 1, 2007	Effective July 1, 2008
(9) Kennels and stables:	\$12.60	\$17.35	\$21.00	\$24.35	\$27.35	\$28.65

(10) Laboratories (physical, chemical, photography, biological, dental):	\$24.15	\$33.20	\$40.25	\$46.65	\$52.40	\$54.95
(11) Service stations (plus food outlet rate if a Mini-Mart):	\$18.90	\$26.00	\$31.50	\$36.50	\$41.00	\$43.00
(12) Veterinary clinics/ veterinary hospitals (plus charge for kennel/stable where applicable).	\$12.60	\$7.35	\$21.00	\$24.35	\$27.35	\$28.65
(13) Car lots: Charges based on landscaping rate and fixture unit rate if there is water in the office.						

(c) Lot size used for business and industrial purposes shall be by area of landscaped/open spaces using water:

Area	Charge	Effective July 1, 2004	Effective July 1, 2005	Effective July 1, 2006	Effective July 1, 2007	Effective July 1, 2008
Less than 500 square feet	No charge	No charge	No charge	No charge	No charge	No charge
500 - 5,500 square feet, inclusive	\$5.55	\$7.65	\$9.25	\$10.70	\$12.05	\$12.65
Every 2,000 square feet thereafter, or fraction thereof	\$0.85	\$1.15	\$1.40	\$1.65	\$1.85	\$1.95

(d) The Water Service User Rate charged for commercial accounts shall be based upon the number of fixture

units, unless otherwise specified. The rate shall be charged per individual business based upon the number of fixture units regardless of whether several users share a common building or property.

(1032-CS, Amended, 08/26/2004; 1027-CS, Amended, 06/10/2004; 1019-CS, Added, 02/12/2004)

6-5-603 Fire line service charge.

This charge is for water systems using City of Turlock water lines and fire hydrants for fire protection but who supply potable water through their own water lines. This is a monthly charge.

Linear feet Existing	Effective July 1, 2004	Effective July 1, 2005	Effective July 1, 2006	Effective July 1, 2007	Effective July 1, 2008
\$ 0.011	\$ 0.15	\$ 0.18	\$ 0.21	\$ 0.24	\$ 0.25

(1027-CS, Amended, 06/10/2004; 1019-CS, Added, 02/12/2004)

Article 7. Construction Water Rates

6-5-701 Rates for off-site construction water.

(a) Construction water for off-site improvements.

(1) Off-site construction water shall be taken from hydrants designated by the Municipal Services Department and delivered directly to an approved tank truck for distribution. All water delivered to water trucks shall be taken from the two-and-one-half inch (2-1/2") discharge port of the hydrant only. Hydrants are to be operated using a hydrant spanner wrench only.

(2) Only under special conditions deemed beneficial by the Municipal Services Department shall a direct discharge from the four-and-one-half-inch (4-1/2") hydrant port be allowed. This use shall only be allowed under the direct supervision of the Municipal Services Department.

(b) A fire hydrant meter shall be obtained from the Municipal Services Department by depositing a fee as approved by City Council resolution with the Municipal Services Department. The deposit shall be refunded, less the amount for water used, upon return of the meter in good condition. In addition to actual consumption, customer shall pay a meter rental fee as follows:

Meter Size	Rate Per Month
1" or less	\$2.00
1-1/2"	\$4.50
2"	\$5.50

3"	\$13.50
4"	\$27.50
6"	\$48.50
8"	\$86.50
10"	\$140.50

(c) Hydrant meter rate (dollars per 1,000 gallons):

Existing	Effective July 1, 2004	Effective July 1, 2005	Effective July 1, 2006	Effective July 1, 2007	Effective July 1, 2008
\$0.85	\$1.17	\$1.42	\$1.64	\$1.84	\$1.93

Dollars per 1,000 gallons, provided a hydrant meter rate minimum charge:

Existing	Effective July 1, 2004	Effective July 1, 2005	Effective July 1, 2006	Effective July 1, 2007	Effective July 1, 2008
\$9.45	\$13.00	\$15.75	\$18.25	\$20.50	\$21.50

(1209-CS, Amended, 06/25/2015; 1194-CS, Amended, 04/08/2014; 1027-CS, Amended, 06/10/2004; 1019-CS, Added, 02/12/2004)

6-5-702 Rates for on-site construction water. Revised 3/20

(a) All water services shall be metered. Meter fees shall be paid on the building permit. Upon payment of the meter fee through the building permit, a utility account shall be established and a water meter installed. Water charges shall start when the utility account is established.

(b) Full utility service charges (water, garbage, and sewer) start when the building permit is finalized or the building is occupied.

(1274-CS, Amended, 02/13/2020; 1209-CS, Amended, 06/25/2015; 1027-CS, Amended, 06/10/2004; 1019-CS, Added, 02/12/2004)



Appendix K

Water Audit

(THIS PAGE LEFT BLANK INTENTIONALLY)

AWWA Free Water Audit Software v5.0

American Water Works Association Copyright © 2014. All Rights Reserved.

This spreadsheet-based water audit tool is designed to help quantify and track water losses associated with water distribution systems and identify areas for improved efficiency and cost recovery. It provides a "top-down" summary water audit format, and is not meant to take the place of a full-scale, comprehensive water audit format.

Auditors are strongly encouraged to refer to the most current edition of AWWA M36 Manual for Water Audits for detailed guidance on the water auditing process and targetting loss reduction levels

The spreadsheet contains several separate worksheets. Sheets can be accessed using the tabs towards the bottom of the screen, or by clicking the buttons below.

Please begin by providing the following information

Name of Contact Person:

Email Address:

Telephone (incl Ext.):

Name of City / Utility:

City/Town/Municipality:

State / Province:

Country:

Year: Calendar Year

Audit Preparation Date:

Volume Reporting Units:

PWSID / Other ID:

The following guidance will help you complete the Audit

All audit data are entered on the [Reporting Worksheet](#)

- Value can be entered by user
- Value calculated based on input data
- These cells contain recommended default values

Use of Option (Radio) Buttons: 0.25% Value:

Select the default percentage by choosing the option button on the left

To enter a value, choose this button and enter a value in the cell to the right

The following worksheets are available by clicking the buttons below or selecting the tabs along the bottom of the page

<p><u>Instructions</u></p> <p>The current sheet. Enter contact information and basic audit details (year, units etc)</p>	<p><u>Reporting Worksheet</u></p> <p>Enter the required data on this worksheet to calculate the water balance and data grading</p>	<p><u>Comments</u></p> <p>Enter comments to explain how values were calculated or to document data sources</p>	<p><u>Performance Indicators</u></p> <p>Review the performance indicators to evaluate the results of the audit</p>	<p><u>Water Balance</u></p> <p>The values entered in the Reporting Worksheet are used to populate the Water Balance</p>	<p><u>Dashboard</u></p> <p>A graphical summary of the water balance and Non-Revenue Water components</p>
<p><u>Grading Matrix</u></p> <p>Presents the possible grading options for each input component of the audit</p>	<p><u>Service Connection Diagram</u></p> <p>Diagrams depicting possible customer service connection line configurations</p>	<p><u>Definitions</u></p> <p>Use this sheet to understand the terms used in the audit process</p>	<p><u>Loss Control Planning</u></p> <p>Use this sheet to interpret the results of the audit validity score and performance indicators</p>	<p><u>Example Audits</u></p> <p>Reporting Worksheet and Performance Indicators examples are shown for two validated audits</p>	<p><u>Acknowledgements</u></p> <p>Acknowledgements for the AWWA Free Water Audit Software v5.0</p>

If you have questions or comments regarding the software please contact us via email at: wlc@awwa.org



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0
American Water Works Association.
Copyright © 2014, All Rights Reserved.

	Click to access definition
	Click to add a comment

Water Audit Report for: City of Turlock (CA 5010019)
Reporting Year: 2020 1/2020 - 12/2020

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: MILLION GALLONS (US) PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

WATER SUPPLIED

				----- Enter grading in column 'E' and 'J' ----->		Master Meter and Supply Error Adjustments	
				Pcnt:		Value:	
Volume from own sources:		3	6,742.900	MG/Yr		<input type="text"/>	MG/Yr
Water imported:		n/a	0.000	MG/Yr		<input type="text"/>	MG/Yr
Water exported:		3	5.705	MG/Yr		<input type="text"/>	MG/Yr

WATER SUPPLIED: 6,737.195 MG/Yr

AUTHORIZED CONSUMPTION

Billed metered:		5	6,028.500	MG/Yr			
Billed unmetered:		n/a	0.000	MG/Yr			
Unbilled metered:		5	241.300	MG/Yr			
Unbilled unmetered:		5	16.843	MG/Yr	Pcnt:	<input type="text"/>	Value:

AUTHORIZED CONSUMPTION: 6,286.643 MG/Yr

WATER LOSSES (Water Supplied - Authorized Consumption)

450.552 MG/Yr

Apparent Losses

Unauthorized consumption:

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:

Systematic data handling errors:

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: 159.869 MG/Yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses:

WATER LOSSES: 450.552 MG/Yr

NON-REVENUE WATER

NON-REVENUE WATER: 708.695 MG/Yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:

Number of active AND inactive service connections:

Service connection density:

Are customer meters typically located at the curbside or property line? Yes

Average length of customer service line:

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure:

COST DATA

Total annual cost of operating water system:

Customer retail unit cost (applied to Apparent Losses):

Variable production cost (applied to Real Losses):

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 50 out of 100 *****

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Customer metering inaccuracies
- 3: Billed metered

AWWA Free Water Audit Software v5.0

Reporting Worksheet 2



Appendix L

UWMP Adoption Resolution

(THIS PAGE LEFT BLANK INTENTIONALLY)

BEFORE THE CITY COUNCIL OF THE CITY OF TURLOCK

IN THE MATTER OF RESCINDING }
RESOLUTION NO. 2016-129 AND ADOPTING A }
NEW RESOLUTION UPDATING THE 2020 }
URBAN WATER MANAGMENT PLAN AND }
WATER SHORTAGE CONTINGENCY PLAN }
FOR THE CITY OF TURLOCK }
_____ }

RESOLUTION NO. 2021-090

WHEREAS, the Urban Water Management Planning Act (Act) requires water suppliers with 3,000 connections or more, or supplying 3,000 or more acre-feet of water per year, to prepare an Urban Water Management Plan (UWMP) every five years; and

WHEREAS, the UWMP assists water suppliers in mapping out long-term water resource planning to ensure an adequate water supply is available to meet existing and future water demands over a 20-year planning horizon; and

WHEREAS, water suppliers are required to report, describe, and evaluate water deliveries and uses, existing and future water supply sources, efficient water uses, demand management measures, water shortage contingency planning and drought response actions; and

WHEREAS, the City of Turlock has prepared the 2020 UWMP in compliance with the Act; and

WHEREAS, the 2020 UWMP and Water Shortage Contingency Plan must be submitted to the State of California's Department of Water Resources by July 1, 2021.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Turlock does hereby rescind Resolution No. 2016-129 and adopt a new Resolution updating the 2020 Urban Water Management Plan and Water Shortage Contingency Plan for the City of Turlock.

PASSED AND ADOPTED at a regular meeting of the City Council of the City of Turlock this 25th day of May, 2021, by the following vote:

AYES: Councilmembers Larson, Nosrati, Franco, Monez, and Mayor
Bublak
NOES: None
NOT PARTICIPATING: None
ABSENT: None

ATTEST:



Allison Martin, Interim City Clerk,
City of Turlock, County of Stanislaus,
State of California

(THIS PAGE LEFT BLANK INTENTIONALLY)