

## **Appendix A**

California Water Code Division 6, Part 2.6

# **WATER CODE**

## **SECTION 10610-10610.4**

10610. This part shall be known and may be cited as the "Urban Water Management Planning Act."

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.

(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.

(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.

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.

(b) The management of urban water demands and efficient use of

urban water supplies shall be a guiding criterion in public decisions.

(c) Urban water suppliers shall be required to develop water management plans to actively pursue the efficient use of available supplies.

---

## **WATER CODE**

### **SECTION 10611-10617**

10611. Unless the context otherwise requires, the definitions of this chapter govern the construction of this part.

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.

10612. "Customer" means a purchaser of water from a water supplier who uses the water for municipal purposes, including residential, commercial, governmental, and industrial uses.

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.

10614. "Person" means any individual, firm, association, organization, partnership, business, trust, corporation, company, public agency, or any agency of such an entity.

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.

10616. "Public agency" means any board, commission, county, city and county, city, regional agency, district, or other public entity.

10616.5. "Recycled water" means the reclamation and reuse of wastewater for beneficial use.

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.

---

## **WATER CODE**

### **SECTION 10620-10621**

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) (1) 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 and efficient water use.

(2) 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.

10621. (a) Each urban water supplier shall update its plan at least once every five years on or before December 31, in years ending in five and zero, except as provided in subdivision (d).

(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) 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).

(d) Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.

---

## **WATER CODE**

### **SECTION 10630-10634**

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.

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 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.

(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). If groundwater is identified as an existing or planned source of water available to the supplier, all of the following information shall be included in the plan:

(1) A copy of 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.

(2) 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 basins that have not been adjudicated, information as to whether the department has identified the basin or basins as overdrafted or has projected that the basin will become overdrafted if present management conditions continue, 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 eliminate the long-term overdraft condition.

(3) 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.

(4) 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) (1) Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage, to the extent practicable, and provide data for each of the following:

- (A) An average water year.
- (B) A single-dry water year.
- (C) Multiple-dry water years.

(2) For any water source that may not be available at a consistent level of use, given specific legal, environmental, water quality, or climatic factors, describe plans to supplement or replace that source with alternative sources or water demand management measures, to the extent practicable.

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

(e) (1) 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, identifying the uses among water use sectors, including, but not necessarily limited to, all of the following uses:

- (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) For the 2015 urban water management plan update, the distribution system water loss shall be quantified for the most recent 12-month period available. For all subsequent updates, the distribution system water loss shall be quantified for each of the five years preceding the plan update.

(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.

(4) (A) If available and applicable to an urban water supplier, water use projections may 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.

(f) 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) 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 (B) of paragraph (1), and a narrative description of its distribution system asset management and wholesale supplier assistance programs.

(g) 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

average, single-dry, and multiple-dry 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.

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

(i) For purposes of this part, urban water suppliers that are members of the California Urban Water Conservation Council shall be deemed in compliance with the requirements of subdivision (f) by complying with all the provisions of the "Memorandum of Understanding Regarding Urban Water Conservation in California," dated December 10, 2008, as it may be amended, and by submitting the annual reports required by Section 6.2 of that memorandum.

(j) 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 (c). 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 (c).

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.

10631.2. (a) In addition to the requirements of Section 10631, an urban water management plan may, but is not required to, include any of the following information:

(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.

10631.5. (a) (1) Beginning January 1, 2009, the terms of, and eligibility for, a water management grant or loan made to an urban water supplier and awarded or administered by the department, state board, or California Bay-Delta Authority or its successor agency shall be conditioned on the implementation of the water demand management measures described in Section 10631, as determined by the department pursuant to subdivision (b).

(2) For the purposes of this section, water management grants and loans include funding for programs and projects for surface water or groundwater storage, recycling, desalination, water conservation, water supply reliability, and water supply augmentation. This section does not apply to water management projects funded by the federal American Recovery and Reinvestment Act of 2009 (Public Law 111-5).

(3) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if the urban water supplier has submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for implementation of the water demand management measures. The supplier may request grant or loan funds to implement the water demand management measures to the extent the request is consistent with the eligibility requirements applicable to the water management funds.

(4) (A) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if an urban water supplier submits to the department for approval documentation demonstrating that a water demand management measure is not locally cost effective. If the department determines that the documentation submitted by the urban water supplier fails to demonstrate that a water demand management measure is not locally cost effective, the department shall notify the urban water supplier and the agency administering the grant or loan program within 120 days that the documentation does not satisfy the requirements for an exemption, and include in that notification a detailed statement to support the determination.

(B) For purposes of this paragraph, "not locally cost effective" means that the present value of the local benefits of implementing a

water demand management measure is less than the present value of the local costs of implementing that measure.

(b) (1) The department, in consultation with the state board and the California Bay-Delta Authority or its successor agency, and after soliciting public comment regarding eligibility requirements, shall develop eligibility requirements to implement the requirement of paragraph (1) of subdivision (a). In establishing these eligibility requirements, the department shall do both of the following:

(A) Consider the conservation measures described in the Memorandum of Understanding Regarding Urban Water Conservation in California, and alternative conservation approaches that provide equal or greater water savings.

(B) Recognize the different legal, technical, fiscal, and practical roles and responsibilities of wholesale water suppliers and retail water suppliers.

(2) (A) For the purposes of this section, the department shall determine whether an urban water supplier is implementing all of the water demand management measures described in Section 10631 based on either, or a combination, of the following:

(i) Compliance on an individual basis.

(ii) Compliance on a regional basis. Regional compliance shall require participation in a regional conservation program consisting of two or more urban water suppliers that achieves the level of conservation or water efficiency savings equivalent to the amount of conservation or savings achieved if each of the participating urban water suppliers implemented the water demand management measures. The urban water supplier administering the regional program shall provide participating urban water suppliers and the department with data to demonstrate that the regional program is consistent with this clause. The department shall review the data to determine whether the urban water suppliers in the regional program are meeting the eligibility requirements.

(B) The department may require additional information for any determination pursuant to this section.

(3) The department shall not deny eligibility to an urban water supplier in compliance with the requirements of this section that is participating in a multiagency water project, or an integrated regional water management plan, developed pursuant to Section 75026 of the Public Resources Code, solely on the basis that one or more of the agencies participating in the project or plan is not implementing all of the water demand management measures described in Section 10631.

(c) In establishing guidelines pursuant to the specific funding authorization for any water management grant or loan program subject to this section, the agency administering the grant or loan program shall include in the guidelines the eligibility requirements developed by the department pursuant to subdivision (b).

(d) Upon receipt of a water management grant or loan application by an agency administering a grant and loan program subject to this section, the agency shall request an eligibility determination from the department with respect to the requirements of this section. The department shall respond to the request within 60 days of the request.

(e) The urban water supplier may submit to the department copies of its annual reports and other relevant documents to assist the department in determining whether the urban water supplier is implementing or scheduling the implementation of water demand

management activities. In addition, for urban water suppliers that are signatories to the Memorandum of Understanding Regarding Urban Water Conservation in California and submit biennial reports to the California Urban Water Conservation Council in accordance with the memorandum, the department may use these reports to assist in tracking the implementation of water demand management measures.

(f) This section shall remain in effect only until July 1, 2016, and as of that date is repealed, unless a later enacted statute, that is enacted before July 1, 2016, deletes or extends that date.

10631.7. The department, in consultation with the California Urban Water Conservation Council, shall convene an independent technical panel to provide information and recommendations to the department and the Legislature on new demand management measures, technologies, and approaches. The panel shall consist of no more than seven members, who shall be selected by the department to reflect a balanced representation of experts. The panel shall have at least one, but no more than two, representatives from each of the following: retail water suppliers, environmental organizations, the business community, wholesale water suppliers, and academia. The panel shall be convened by January 1, 2009, and shall report to the Legislature no later than January 1, 2010, and every five years thereafter. The department shall review the panel report and include in the final report to the Legislature the department's recommendations and comments regarding the panel process and the panel's recommendations.

10632. (a) The plan shall provide an urban water shortage contingency analysis that includes each of the following elements that are within the authority of the urban water supplier:

(1) Stages of action to be undertaken by the urban water supplier in response to water supply shortages, including up to a 50 percent reduction in water supply, and an outline of specific water supply conditions that are applicable to each stage.

(2) An estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.

(3) Actions to be undertaken by the urban water supplier to prepare for, and implement during, a catastrophic interruption of water supplies including, but not limited to, a regional power outage, an earthquake, or other disaster.

(4) Additional, mandatory prohibitions against specific water use practices during water shortages, including, but not limited to, prohibiting the use of potable water for street cleaning.

(5) Consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.

(6) Penalties or charges for excessive use, where applicable.

(7) An analysis of the impacts of each of the actions and conditions described in paragraphs (1) to (6), inclusive, on the

revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.

(8) A draft water shortage contingency resolution or ordinance.

(9) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.

(b) Commencing with the urban water management plan update due July 1, 2016, for purposes of developing the water shortage contingency analysis pursuant to subdivision (a), the 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.

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.

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.

---

## **WATER CODE**

### **SECTION 10635**

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 total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and multiple dry 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) 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.

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

(d) 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.

---

## **WATER CODE**

### **SECTION 10640-10645**

10640. 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.

10641. An urban water supplier required to prepare a 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.

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 the plan. Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection and shall hold a public hearing thereon. Prior to the hearing, notice of the time and place of 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 hearing to any city or county within which the supplier provides water supplies. A privately owned water supplier shall provide an equivalent notice within its service area. After the hearing, the plan shall be adopted as prepared or as modified after the hearing.

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

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) (1) Notwithstanding Section 10231.5 of the Government Code, the department shall prepare and submit to the Legislature, on or before December 31, in the years ending in six and one, a report summarizing the status of the plans adopted pursuant to this part. The report prepared by the department shall identify the exemplary elements of the individual plans. The department shall provide a copy of the report to each urban water supplier that has submitted its plan to the department. The department shall also prepare reports and provide data for any legislative hearings designed to consider the effectiveness of plans submitted pursuant to this part.

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

(c) (1) For the purpose of identifying the exemplary elements of the individual plans, the department shall identify in the report

water demand management measures adopted and implemented by specific urban water suppliers, and identified pursuant to Section 10631, that achieve water savings significantly above the levels established by the department to meet the requirements of Section 10631.5.

(2) The department shall distribute to the panel convened pursuant to Section 10631.7 the results achieved by the implementation of those water demand management measures described in paragraph (1).

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

10645. 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.

---

## **WATER CODE**

### **SECTION 10650-10656**

10650. Any actions or proceedings 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 shall be commenced within 18 months after that adoption is required by this part.

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

10651. In any action or proceeding to attack, review, set aside, void, or annul a plan, or an action taken pursuant to the plan 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.

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.

10653. The adoption of a plan shall satisfy any requirements of state law, regulation, or order, including those of the State Water Resources Control Board and the Public Utilities Commission, for the preparation of water management plans or conservation plans; provided, that if the State Water Resources Control Board or the Public Utilities Commission requires additional information concerning water conservation 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 prepared to meet 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.

10654. An urban water supplier may recover in its rates the costs incurred in preparing its plan and implementing the reasonable water conservation measures included in the plan. Any best water management practice that is included in the plan that is identified in the "Memorandum of Understanding Regarding Urban Water Conservation in California" is deemed to be reasonable for the purposes of this section.

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.

10656. An urban water supplier that does not prepare, adopt, and submit its urban water management plan to the department in accordance with this part, is ineligible to receive funding pursuant to Division 24 (commencing with Section 78500) or Division 26 (commencing with Section 79000), or receive drought assistance from the state until the urban water management plan is submitted pursuant to this article.

---



## **Appendix B**

### Changes to the Urban Water Management Plan Requirements Since 2010

Appendix B - Changes to the Water Code since 2010 UWMPs<sup>1</sup>

<b>Topic</b>	<b>CWC Section</b>	<b>Legislative Bill</b>	<b>Summary</b>
Demand Management Measures	10631 (f) (1) and (2)	AB 2067 Weber 2014	Requires water suppliers to provide narratives describing their water demand management measures, as provided. Requires retail water suppliers to address the nature and extent of each water demand management measure implemented over the past 5 years and describe the water demand management measures that the supplier plans to implement to achieve its water use targets.
Submittal Date	10621 (d)	AB 2067 Weber 2014	Requires each urban water supplier to submit its 2015 plan to the Department of Water Resources by July 1, 2016.
Submittal Format	10644 (a) (2)	SB 1420 Wolk 2014	Requires the plan, or amendments to the plan, to be submitted electronically to the department.
Standardized Forms	10644 (a) (2)	SB 1420 Wolk 2014	Requires the plan, or amendments to the plan, to include any standardized forms, tables, or displays specified by the department.
Water Loss	10631 (e) (1) (j) and (e) (3) (A) and (B)	SB 1420 Wolk 2014	Requires a plan to quantify and report on distribution system water loss.
Voluntary Reporting of Passive Savings	10631 (e) (4)	SB 1420 Wolk 2014	Provides for water use projections to display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use plans, when that information is available and applicable to an urban water supplier.
Voluntary Reporting of Energy Intensity	10631.2 (a) and (b)	SB 1036	Provides for an urban water supplier to include certain energy-related information, including, but not limited to, an estimate of the amount of energy used to extract or divert water supplies.

<sup>1</sup> Based on table provided by DWR.

Defining Water Features	10632		Requires urban water suppliers to analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas.
-------------------------------	-------	--	--

## **Appendix C**

### Urban Water Management Plan Completion Checklist

## Checklist Arranged by Water Code Section

<b>CWC Section</b>	<b>UWMP Requirement</b>	<b>Subject</b>	<b>Guidebook Location</b>	<b>UWMP Location</b> <i>(Optional Column for Agency Use)</i>
<b>10608.20(b)</b>	Retail suppliers shall adopt a 2020 water use target using one of four methods.	Baselines and Targets	Section 5.7 and App E	<b>4.3.2 Urban Water Use Target</b> <b>4.3.4 Plan for Meeting 2020 Urban Water Use Target</b>
<b>10608.20(e)</b>	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	Chapter 5 and App E	<b>4.3.1 Base Daily Water Use</b> <b>4.3.2 Urban Water Use Target</b> <b>4.3.3 Compliance Daily Water Use</b>
<b>10608.22</b>	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 5.7.2	<b>Appendix - G SB X7-7 Method 4 Calculator</b>
<b>10608.24(a)</b>	Retail suppliers shall meet their interim target by December 31, 2015.	Baselines and Targets	Section 5.8 and App E	<b>4.3.3 Compliance Daily Water Use</b>
<b>10608.24(d)(2)</b>	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	Section 5.8.2	<b>N/A</b>
<b>10608.26(a)</b>	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets.	Plan Adoption, Submittal, and Implementation	Section 10.3	<b>1.5 Plan Adoption and Submittal</b>

<b>10608.36</b>	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	Section 5.1	<b>N/A</b>
<b>10608.40</b>	Retail suppliers shall report on their progress in meeting their water use targets. The data shall be reported using a standardized form.	Baselines and Targets	Section 5.8 and App E	<b>4.3.4 Plan for meeting 2020 Urban Water Use Target Appendix- D 5-2</b>
<b>10620(b)</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	<b>1.2 Requirements</b>
<b>10620(d)(2)</b>	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 2.5.2	<b>1.4 Coordination and Outreach</b>
<b>10620(f)</b>	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Section 7.4	<b>5.4 Recycled Water 7 Water Conservation</b>
<b>10621(b)</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.	Plan Adoption, Submittal, and Implementation	Section 10.2.1	<b>1.4 Coordination and Outreach</b>
<b>10621(d)</b>	Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	<b>1.5 Plan Adoption and Submittal</b>
<b>10631(a)</b>	Describe the water supplier service area.	System Description	Section 3.1	<b>3 Water System Overview</b>
<b>10631(a)</b>	Describe the climate of the service area of the supplier.	System Description	Section 3.3	<b>2.3 Climate</b>

<b>10631(a)</b>	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	<b>2.2 Population and Employment</b>
<b>10631(a)</b>	Provide population projections for 2020, 2025, 2030, and 2035.	System Description	Section 3.4	<b>2.2 Population and Employment</b>
<b>10631(a)</b>	Describe other demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	<b>2.2 Population and Employment</b>
<b>10631(b)</b>	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, 2030, and 2035.	System Supplies	Chapter 6	<b>5.6 Projected Water Supply Available and Production</b>
<b>10631(b)</b>	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	<b>5.3 Local Groundwater</b>
<b>10631(b)(1)</b>	Indicate whether a 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	<b>5.3.1 Groundwater Management</b>
<b>10631(b)(2)</b>	Describe the groundwater basin.	System Supplies	Section 6.2.1	<b>5.3.2 Description</b>
<b>10631(b)(2)</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	<b>N/A</b>
<b>10631(b)(2)</b>	For unadjudicated basins, indicate whether or not the department has identified the basin as overdrafted, or projected to become overdrafted. Describe efforts by the supplier to eliminate the long-term overdraft condition.	System Supplies	Section 6.2.3	<b>N/A</b>
<b>10631(b)(3)</b>	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 6.2.4	<b>3.6 Groundwater Supply Wells 5.3.5 Groundwater Levels and Storage 5.3.8 Mountain View Groundwater Use</b>

<b>10631(b)(4)</b>	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Sections 6.2 and 6.9	<b>3.6 Groundwater Supply Wells 5.6 Projected Water Supply Availability and Production</b>
<b>10631(c)(1)</b>	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage.	Water Supply Reliability Assessment	Section 7.1	<b>6.4 Effects of Climate Change on Supply Reliability</b>
<b>10631(c)(1)</b>	Provide data for an average water year, a single dry water year, and multiple dry water years	Water Supply Reliability Assessment	Section 7.2	<b>6.6 Water Demand and Supply Comparison</b>
<b>10631(c)(2)</b>	For any water source that may not be available at a consistent level of use, describe plans to supplement or replace that source.	Water Supply Reliability Assessment	Section 7.1	<b>N/A</b>
<b>10631(d)</b>	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.7	<b>6.5.3 Transfer and Exchange Opportunities</b>
<b>10631(e)(1)</b>	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	<b>4.1 Current and Historical Water Demand 4.2 Projected Future Water Demand</b>
<b>10631(e)(3)(A)</b>	Report the distribution system water loss for the most recent 12-month period available.	System Water Use	Section 4.3	<b>Appendix D - Table 4-4</b>
<b>10631(f)(1)</b>	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	Sections 9.2 and 9.3	<b>7.1 Regulations 7.2 Water Metering 7.3 Education and Outreach</b>
<b>10631(f)(2)</b>	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	Sections 9.1 and 9.3	<b>N/A</b>



<b>10631(g)</b>	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 multiple-dry years.	System Supplies	Section 6.8	<b>Appendix D – Table 6-7</b>
<b>10631(h)</b>	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	<b>6.5.1 Bay Area Regional Desalination Project</b>
<b>10631(i)</b>	CUWCC members may submit their 2013-2014 CUWCC BMP annual reports in lieu of, or in addition to, describing the DMM implementation in their UWMPs. This option is only allowable if the supplier has been found to be in full compliance with the CUWCC MOU.	Demand Management Measures	Section 9.5	<b>N/A</b>
<b>10631(j)</b>	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	<b>1.4 Coordination and Outreach</b>
<b>10631(j)</b>	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	Section 2.5.1	<b>N/A</b>
<b>10631.1(a)</b>	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.5	<b>4.2.4 Water Demand for Lower-Income Households</b>
<b>10632(a) and 10632(a)(1)</b>	Provide an urban water shortage contingency analysis that specifies stages of action and an outline of specific water supply conditions at each stage.	Water Shortage Contingency Planning	Section 8.1	<b>9.4 Stages of Action 9.5 Demand Reduction</b>
<b>10632(a)(2)</b>	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency.	Water Shortage Contingency Planning	Section 8.9	<b>6.7 Estimated Minimum Three-Year Supply</b>

<b>10632(a)(3)</b>	Identify actions to be undertaken by the urban water supplier in case of a catastrophic interruption of water supplies.	Water Shortage Contingency Planning	Section 8.8	<b>10 Catastrophic Supply Interruption Plan</b>
<b>10632(a)(4)</b>	Identify mandatory prohibitions against specific water use practices during water shortages.	Water Shortage Contingency Planning	Section 8.2	<b>9.5 Demand Reduction</b>
<b>10632(a)(5)</b>	Specify consumption reduction methods in the most restrictive stages.	Water Shortage Contingency Planning	Section 8.4	<b>Appendix D – Table 8-3</b>
<b>10632(a)(6)</b>	Indicated penalties or charges for excessive use, where applicable.	Water Shortage Contingency Planning	Section 8.3	<b>9.10 Enforcement</b>
<b>10632(a)(7)</b>	Provide an analysis of the impacts of each of the actions and conditions in the water shortage contingency analysis on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts.	Water Shortage Contingency Planning	Section 8.6	<b>9.9 Revenue Impacts of a Water Shortage</b>
<b>10632(a)(8)</b>	Provide a draft water shortage contingency resolution or ordinance.	Water Shortage Contingency Planning	Section 8.7	<b>Appendix J – City of Mountain View Water Shortage Ordinance</b>
<b>10632(a)(9)</b>	Indicate a mechanism for determining actual reductions in water use pursuant to the water shortage contingency analysis.	Water Shortage Contingency Planning	Section 8.5	<b>9.6 Water Use Monitoring</b>
<b>10633</b>	For wastewater and recycled water, coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.1	<b>1.4 Coordination and Outreach 5.4 Recycled Water</b>
<b>10633(a)</b>	Describe the wastewater collection and treatment systems in the supplier's service area. Include quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.	System Supplies (Recycled Water)	Section 6.5.2	<b>5.4.1 Wastewater Treatment and Generation</b>

<b>10633(b)</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 6.5.2.2	<b>5.4.1 Wastewater Treatment and Generation</b>
<b>10633(c)</b>	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.3 and 6.5.4	<b>5.4 Recycled Water</b>
<b>10633(d)</b>	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 6.5.4	<b>5.4 Recycled Water</b>
<b>10633(e)</b>	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 6.5.4	<b>5.4.5 Current and Projected Recycled Water Use</b>
<b>10633(f)</b>	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 6.5.5	<b>5.4.7 Encouraging the Use of Recycled Water</b>
<b>10633(g)</b>	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.5	<b>5.4.1 Water Treatment and Generation 5.4.7 Encouraging the Use of Recycled Water</b>
<b>10634</b>	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	<b>6.3 Water Quality Impacts on Supply Reliability</b>
<b>10635(a)</b>	Assess the water supply reliability during normal, dry, and multiple dry 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 7.3	<b>6.6 Water Demand and Supply Comparison</b>

<b>10635(b)</b>	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 60 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	<b>1.5 Plan Adoption and Submittal</b>
<b>10642</b>	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.	Plan Preparation	Section 2.5.2	<b>Appendix E – Notification Letter and Public Hearing Notices</b>
<b>10642</b>	Provide supporting documentation that the urban water supplier made the plan available for public inspection, published notice of the public hearing, and held a public hearing about the plan.	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	<b>Appendix E – Notification Letter and Public Hearing Notices</b>
<b>10642</b>	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	Sections 10.2.1	<b>Appendix E – Notification Letter and Public Hearing Notices</b>
<b>10642</b>	Provide supporting documentation that the plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	<b>Appendix F – Resolution Adopting the 2015 UWMP</b>
<b>10644(a)</b>	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4.3	<b>1.5 Plan Adoption and Submittal</b>
<b>10644(a)(1)</b>	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 10.4.4	<b>1.5 Plan Adoption and Submittal</b>
<b>10644(a)(2)</b>	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Sections 10.4.1 and 10.4.2	<b>1.5 Plan Adoption and Submittal</b>

<b>10645</b>	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	<b>1.5 Plan Adoption and Submittal</b>
--------------	---	--	--------------	--

## **Appendix D**

DWR Guidebook and SB X7-7 Tables

**Table 2-1 Retail Only: Public Water Systems**

Public Water System Number	Public Water System Name	Number of Municipal Connections 2015	Volume of Water Supplied 2015
CA4310007	City of Mountain View	17,911	8,870
<b>TOTAL</b>		<b>17,911</b>	<b>8,870</b>

NOTES: Potable water only; does not include recycled water.

Table 2-2: Plan Identification (Select One)	
<input checked="" type="checkbox"/>	Individual UWMP
<input type="checkbox"/>	Regional UWMP (RUWMP) <i>(checking this triggers the next line to appear)</i>
<b>Select One:</b>	
<input type="checkbox"/>	RUWMP includes a Regional Alliance
<input checked="" type="checkbox"/>	RUWMP does not include a Regional Alliance
NOTES:	



Table 2-3: Agency Identification	
Type of Agency (select one or both)	
<input type="checkbox"/>	Agency is a wholesaler
<input checked="" type="checkbox"/>	Agency 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 Day that the Fiscal Year Begins (dd/mm)	
<i>dd/mm</i>	
Units of Measure Used in UWMP (select from Drop down)	
Unit	AF
NOTES:	

**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 CWC 10631.

Wholesale Water Supplier Name *(Add additional rows as needed)*

Santa Clara Valley Water District

San Francisco Public Utilities Commission

Palo Alto Regional Water Quality Control Plant

NOTES:

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

Population Served	2015	2020	2025	2030	2035	2040( <i>opt</i> )
	75,430	79,010	82,590	86,170	89,750	93,330

NOTES:

**Table 4-1 Retail: Demands for Potable and Raw Water - Actual**

Use Type <i>(Add additional rows as needed)</i>	2015 Actual		
<u><i>Use Drop down list</i></u> <i>May select each use multiple times</i> <i>These are the only Use Types that will be recognized by the WUEdata online submittal tool</i>	Additional Description <i>(as needed)</i>	Level of Treatment When Delivered <i>Drop down list</i>	Volume
Single Family		Drinking Water	2,147
Multi-Family		Drinking Water	2,760
Commercial	Commercial includes institutional uses	Drinking Water	1,381
Industrial		Drinking Water	405
Landscape		Drinking Water	1,520
Losses	Real losses	Drinking Water	377
Losses	Apparent losses	Drinking Water	167
Other	Unbilled unmetered	Drinking Water	110
Other	Construction	Drinking Water	3
<b>TOTAL</b>			<b>8,870</b>
NOTES:			

**Table 4-2 Retail: Demands for Potable and Raw Water - Projected**

Use Type <i>(Add additional rows as needed)</i>	Additional Description <i>(as needed)</i>	Projected Water Use <i>Report To the Extent that Records are Available</i>				
<u><i>Use Drop down list</i></u> <i>May select each use multiple times</i> <i>These are the only Use Types that will be recognized by the WUEdata online submittal tool</i>		2020	2025	2030	2035	2040-opt
Single Family		3,140	3,146	3,150	3,175	3,214
Multi-Family		3,240	3,298	3,351	3,430	3,525
Commercial	Commercial includes institutional accounts	1,700	1,739	1,791	1,846	1,903
Industrial		502	496	491	486	481
Landscape		1,845	1,884	2,007	2,131	2,254
Losses		880	918	958	996	1,036
Other	Construction	5	6	6	6	6
	<b>TOTAL</b>	11,312	11,487	11,754	12,070	12,419
NOTES:						

**Table 4-3 Retail: Total Water Demands**

	2015	2020	2025	2030	2035	2040 <i>(opt)</i>
Potable and Raw Water <i>From</i> <i>Tables 4-1 and 4-2</i>	8,870	11,312	11,487	11,754	12,070	12,419
Recycled Water Demand <i>From</i> <i>Table 6-4</i>	450	995	1,091	1,091	1,091	1,091
<b>TOTAL WATER DEMAND</b>	9,320	12,307	12,578	12,845	13,161	13,510

NOTES:

**Table 4-4 Retail: 12 Month Water Loss Audit Reporting**

Reporting Period Start Date (mm/yyyy)	Volume of Water Loss
01/2015	377

NOTES: Estimated real losses.

Table 4-5 Retail Only: Inclusion in Water Use Projections	
<p>Are Future Water Savings Included in Projections?            (Refer to Appendix K of UWMP Guidebook)  <i>Drop down list (y/n)</i></p>	Yes
<p>If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, etc... utilized in demand projections are found.</p>	4.2.1 Basis for Water Demand Projections
<p>Are Lower Income Residential Demands Included In Projections?  <i>Drop down list (y/n)</i></p>	Yes
<p>NOTES: Projections account for plumbing code water savings. Active conservation measure savings is not included.</p>	



**Table 5-1 Baselines and Targets Summary***Retail Agency or Regional Alliance Only*

Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*
10-15 year	1995	2004	180	163	146
5 Year	2006	2010	160		
*All values are in Gallons per Capita per Day (GPCD)					
NOTES:					

**Table 5-2: 2015 Compliance**

*Retail Agency or Regional Alliance Only\**

Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments to 2015 GPCD "0" for adjustments not used <i>Methodology 8</i>					Enter From	2015 GPCD (Adjusted if applicable)	Did Supplier Achieve Targeted Reduction for 2015? Y/N
		Extraordinary Events	Economic Adjustment	Weather Normalization	TOTAL Adjustments	Adjusted 2015 GPCD			
105	163				0	105	105	Yes	
*All values are in Gallons per Capita per Day (GPCD)									
NOTES:									

**Table 6-1 Retail: Groundwater Volume Pumped**

	Supplier does not pump groundwater. The supplier will not complete the table below.					
Groundwater Type <i>Drop Down List</i> <i>May use each category multiple times</i>	Location or Basin Name	2011	2012	2013	2014	2015
<i>Add additional rows as needed</i>						
Alluvial Basin	Santa Clara Valley Groundwater Basin - Santa Clara Subbasin (DWR 2-9.02)	441	387	389	782	145
<b>TOTAL</b>		441	387	389	782	145
NOTES:						

**Table 6-2 Retail: Wastewater Collected Within Service Area in 2015**

<input type="checkbox"/> There is no wastewater collection system. The supplier will not complete the table below.						
Percentage of 2015 service area covered by wastewater collection system <i>(optional)</i>						
Percentage of 2015 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 in 2015	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>
<i>Add additional rows as needed</i>						
City of Mountain View	Metered	7,129	Palo Alto Regional Water Control Plant	Palo Alto Regional Water Control Plant	No	
<b>Total Wastewater Collected from Service Area in 2015:</b>		7,129				
NOTES:						

**Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2015**

No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below.										
Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number (optional)	Method of Disposal <i>Drop down list</i>	Does This Plant Treat Wastewater Generated Outside the Service Area?	Treatment Level <i>Drop down list</i>	2015 volumes			
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area
<i>Add additional rows as needed</i>										
<b>Total</b>							0	0	0	0
NOTES:										

**Table 6-4 Retail: Current and Projected Recycled Water Direct Beneficial Uses Within Service Area**

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 Agency Producing (Treating) the Recycled Water:			Palo Alto Regional Water Quality Control Plant						
Name of Agency Operating the Recycled Water Distribution System:			City of Mountain View						
Supplemental Water Added in 2015									
Source of 2015 Supplemental Water									
Beneficial Use Type	General Description of 2015 Uses		Level of Treatment	2015	2020	2025	2030	2035	2040 (opt)
<i>These are the only Use Types that will be recognized by the DWR online submittal tool</i>									
Agricultural irrigation									
Landscape irrigation (excludes golf courses)			Tertiary	280	711	796	796	796	796
Golf course irrigation			Tertiary	114	243	243	243	243	243
Commercial use			Tertiary	1	28	39	39	39	39
Industrial use			Tertiary	0	13	13	13	13	13
Geothermal and other energy production									
Seawater intrusion barrier									
Recreational impoundment									
Wetlands or wildlife habitat									
Groundwater recharge (IPR)									
Surface water augmentation (IPR)									
Direct potable reuse									
Other	Storage and Losses	Water stored in open pond before irrigating golf course and park	Tertiary	55					
<b>Total:</b>				450	995	1,091	1,091	1,091	1,091
<i>IPR - Indirect Potable Reuse</i>									
NOTES:									

**Table 6-5 Retail: 2010 UWMP Recycled Water Use Projection Compared to 2015 Actual**

<input type="checkbox"/>	Recycled water was not used in 2010 nor projected for use in 2015. The supplier will not complete the table below.	
Use Type <i>These are the only Use Types that will be recognized by the WUEdata online submittal tool</i>	2010 Projection for 2015	2015 actual use
Agricultural irrigation		
Landscape irrigation (excludes golf courses)	1,026	280
Golf course irrigation		114
Commercial use		1
Industrial use		
Geothermal and other energy production		
Seawater intrusion barrier		
Recreational impoundment		
Wetlands or wildlife habitat		
Groundwater recharge (IPR)		
Surface water augmentation (IPR)		
Direct potable reuse		
Other	Storage and Water loss	55
<b>Total</b>	<b>1,026</b>	<b>450</b>

NOTES: 2010 projection for 2015 did not split water use for landscape and golf irrigation.

**Table 6-6 Retail: Methods to Expand Future Recycled Water Use**

☐	Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.		
Pages 43 and 45	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>			
New Customers	Connect additional users in existing service area.	2017	210
Advanced Treatment	Implementation of microfiltration / reverse osmosis to improve water quality. (Project is in feasibility study)	2020	195
New Developments	Anticipated development projects in recycled water service area; recycled water to be used for irrigation / dual plumbing.		
<b>Total</b>			405
NOTES:			



**Table 6-7 Retail: Expected Future Water Supply Projects or Programs**

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.

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.

Page 64 Provide page location of narrative in the UWMP

Name of Future Projects or Programs	Joint Project with other agencies?		Description (if needed)	Planned Implementation Year	Planned for Use in Year Type <i>Drop Down List User may select more than one.</i>	Expected Increase in Water Supply to Agency <i>This may be a range</i>
	<i>Drop Down List (y/n)</i>	<i>If Yes, Agency Name</i>				

*Add additional rows as needed*

New Well	No		Construction of new groundwater well. Well will be used primarily as backup / emergency supply.	2020	Average Year	50

NOTES:

**Table 6-8 Retail: Water Supplies — Actual**

Table 6-8 Retail: Water Supplies — Actual				
Water Supply	Additional Detail on Water Supply	2015		
<i>Drop down list</i> <i>May use each category multiple times.</i> <i>These are the only water supply categories that will be recognized by the WUedata online submittal tool</i>		Actual Volume	Water Quality <i>Drop Down List</i>	Total Right or Safe Yield <i>(optional)</i>
<i>Add additional rows as needed</i>				
Purchased or Imported Water	San Francisco Public Utilities Commission	8,043	Drinking Water	15,078
Purchased or Imported Water	Santa Clara Valley Water District	682	Drinking Water	1,200
Groundwater	Santa Clara Valley Groundwater Basin	145	Drinking Water	1,525
Recycled Water	Regional Water Quality Control Plant	450	Recycled Water	3,360
<b>Total</b>		9,320		21,163
NOTES:				

**Table 6-9 Retail: Water Supplies — Projected**

Water Supply		Projected Water Supply <i>Report To the Extent Practicable</i>									
		2020		2025		2030		2035		2040 (opt)	
<i>Drop down list</i> <i>May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool</i>		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)
<i>Add additional rows as needed</i>											
Purchased or Imported Water	San Francisco Public Utilities Commission	9,546		9,713		9,966		10,266		10,603	
Purchased or Imported Water	Santa Clara Valley Water District	1,200		1,200		1,200		1,200		1,195	
Groundwater	Santa Clara Valley Basin	566		574		588		604		621	
Recycled Water	Regional Water Quality Control Plant	995		1,091		1,091		1,091		1,091	
<b>Total</b>		12,307	0	12,578	0	12,845	0	13,161	0	13,510	0

NOTES: Volumes shown are expected use, not maximum supply available (e.g., SFPUC Total Right = 13.46 MGD = 15,078 AFY).



Table 7-2 Retail: Normal Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040 <i>(Opt)</i>
Supply totals <i>(autofill from Table 6-9)</i>	12,307	12,578	12,845	13,161	13,510
Demand totals <i>(autofill from Table 4-3)</i>	12,307	12,578	12,845	13,161	13,510
Difference	0	0	0	0	0
NOTES: Potable and recycled water.					

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

	2020	2025	2030	2035	2040 (Opt)
Supply totals	12,307	12,578	12,845	13,161	13,413
Demand totals	12,307	12,578	12,845	13,161	13,510
Difference	0	0	0	0	(97)

NOTES: Potable and recycled water.

Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison						
		2020	2025	2030	2035	2040 (Opt)
First year	Supply totals	12,085	12,394	12,637	12,929	13,269
	Demand totals	12,307	12,578	12,845	13,161	13,510
	Difference	(222)	(184)	(208)	(232)	(241)
Second year	Supply totals	11,876	12,211	12,450	12,739	13,063
	Demand totals	12,307	12,578	12,845	13,161	13,510
	Difference	(431)	(367)	(395)	(422)	(447)
Third year	Supply totals	12,001	12,315	12,551	12,825	13,152
	Demand totals	12,307	12,578	12,845	13,161	13,510
	Difference	(306)	(263)	(294)	(336)	(358)
NOTES: Potable and recycled water.						

**Table 8-1 Retail  
Stages of Water Shortage Contingency Plan**

Stage	Complete Both	
	Percent Supply Reduction <sup>1</sup> <i>Numerical value as a percent</i>	Water Supply Condition <i>(Narrative description)</i>
<i>Add additional rows as needed</i>		
1	up to 10%	Public education and outreach efforts for normal condition prohibitions (fix leaks, no shut-off valve for a hose, creating runoff etc.). Encourage the voluntary reduction of nonessential uses of water.
2	up to 25%	Additional prohibitions include limits on landscape irrigation, use of potable water for vehicle washing or washing hard surfaces (except with a bucket), decorative water features, etc.
3	up to 40%	Additional prohibitions include filling swimming pool or spa, and operating commercial car wash that does not use water recirculation technology.
4	greater than 40%	Landscape watering or irrigation. Except for fire protection, soil erosion, active play parks, school grounds, golf course green, environmental mitigation projects. Locations that are exempt may only irrigate one day per week.

<sup>1</sup> One stage in the Water Shortage Contingency Plan must address a water shortage of 50%.

NOTES:



**Table 8-2 Retail Only: Restrictions and Prohibitions on End Uses**

Stage	Restrictions and Prohibitions on End Users <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>Drop Down List</i>
<i>Add additional rows as needed</i>			
1	Landscape - Restrict or prohibit runoff from landscape irrigation		Yes
1	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner		Yes
1	Other - Require automatic shut of hoses		Yes
1	CII - Restaurants may only serve water upon request		Yes
1	CII - Other CII restriction or prohibition	Use of potable water in single-pass cooling systems.	Yes
2	Other - Prohibit use of potable water for washing hard surfaces	Except by bucket or when necessary to alleviate safety or sanitary hazards.	Yes
2	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water	Except by use of a hand-held bucket.	Yes
2	Landscape - Limit landscape irrigation to specific times	Prohibited between 9:00 am and 5:00 pm.	Yes
2	Landscape - Limit landscape irrigation to specific days	One (1) to three (3) days per week.	Yes
2	Landscape - Other landscape restriction or prohibition	Watering or irrigating during a rain event.	Yes
2	Landscape - Other landscape restriction or prohibition	Irrigation time limited to 15 minutes per zone. Does not apply to drip irrigation or high-efficiency sprinkler nozzles.	Yes
2	Landscape - Other landscape restriction or prohibition	As an alternative to the standard stage 2 watering restrictions, large landscape water customers with a dedicated irrigation meter and those eligible and participating in the City's Landscape Water Budget Program may elect to reduce irrigation water use below the customer's Landscape Water Budget by a percentage as determined by the director and posted by the City.	Yes
2	Water Features - Restrict water use for decorative water features, such as fountains	Except as needed to maintain aquatic life.	Yes
2	CII - Commercial kitchens required to use pre-rinse spray valves		Yes
2	CII - Lodging establishment must offer opt out of linen service		Yes
2	CII - Other CII restriction or prohibition	Construction or installation of a new commercial car wash system or commercial laundry system that does not utilize water-recirculation technologies.	Yes
2	Other - Prohibit use of potable water for construction and dust control	When recycled water is readily available.	Yes
3	CII - Other CII restriction or prohibition	Operating a commercial car wash system that does not utilize water-recirculation technologies.	Yes
3	Other water feature or swimming pool restriction	Filling swimming pools or spas with potable water.	Yes
4	Landscape - Prohibit all landscape irrigation	Except for maintenance of: existing landscape necessary for fire protection; existing landscape for soil erosion; plant materials identified to be rare or essential to the well-being of protected species; landscape within active public parks and playing fields, day-care centers, golf course greens and school grounds. Provided that such irrigation does not exceed one (1) day per week and does not occur between 9:00 a.m. and 5:00 p.m.	Yes

NOTES:

**Table 8-3 Retail Only:  
Stages of Water Shortage Contingency Plan - Consumption Reduction Methods**

Stage	Consumption Reduction Methods 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>	Additional Explanation or Reference <i>(optional)</i>
-------	---	--

*Add additional rows as needed*

1	Expand Public Information Campaign	
2	Other	Public outreach, water use surveys, landscape and appliance rebates are all part of the normal year conservation program. During dry years efforts are increased, but are specifically codified in the WSCP.
3	Other	Public outreach, water use surveys, landscape and appliance rebates are all part of the normal year conservation program. During dry years efforts are increased, but are specifically codified in the WSCP.
4	Other	Public outreach, water use surveys, landscape and appliance rebates are all part of the normal year conservation program. During dry years efforts are increased, but are specifically codified in the WSCP.

NOTES: The City of Mountain View already offers several consumption reduction programs during normal years (e.g., rebates, fixture giveaways, irrigation reports, home surveys, landscape surveys, classes, etc.) In response to current drought conditions, the City implemented or expanded some new consumption reduction methods, including: increase frequency of meter reading; offer water use surveys; provide rebates or giveaways of plumbing fixtures and devices; provide rebates for landscape irrigation efficiency; decrease line flushing; increase water waste patrols.

**Table 8-4 Retail: Minimum Supply Next Three Years**

	2016	2017	2018
Available Water Supply	11,845	11,539	11,787

NOTES: Potable and recycled water.

**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 Palo Alto	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
City of Sunnyvale	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
City of Los Altos	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Town of Los Altos Hills	<input type="checkbox"/>	<input checked="" type="checkbox"/>
East Palo Alto Sanitary District	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Stanford University	<input type="checkbox"/>	<input checked="" type="checkbox"/>
County Name <i>List</i> <span style="color: red;"><i>Drop Down</i></span>	60 Day Notice	Notice of Public Hearing
<i>Add additional rows as needed</i>		
Santa Clara County	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
NOTES:		

**SB X7-7 Table 0: Units of Measure Used in UWMP\***

*(select one from the drop down list)*

Acre Feet

*\*The unit of measure must be consistent with 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	12,550	Acre Feet
	2008 total volume of delivered recycled water	0	Acre Feet
	2008 recycled water as a percent of total deliveries	0	Percent
	Number of years in baseline period <sup>1,2</sup>	10	Years
	Year beginning baseline period range	1995	
	Year ending baseline period range <sup>3</sup>	2004	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2006	
	Year ending baseline period range <sup>4</sup>	2010	

<sup>1</sup> If the 2008 recycled water percent is less than 10 percent, then the first baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater, the first baseline period is a continuous 10- to 15-year period.

<sup>2</sup> 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.

<sup>3</sup> The ending year must be between December 31, 2004 and December 31, 2010.

<sup>4</sup> The ending year must be between December 31, 2007 and December 31, 2010.

NOTES:

**SB X7-7 Table 2: Method for Population Estimates**

<b>Method Used to Determine Population</b> (may check more than one)	
<input checked="" type="checkbox"/>	<b>1. Department of Finance (DOF)</b> DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available
<input type="checkbox"/>	<b>2. Persons-per-Connection Method</b>
<input type="checkbox"/>	<b>3. DWR Population Tool</b>
<input type="checkbox"/>	<b>4. Other</b> DWR recommends pre-review

NOTES: DOF numbers minus Cal Water customers

**SB X7-7 Table 3: Service Area Population**

Year		Population
10 to 15 Year Baseline Population		
Year 1	1995	66,916
Year 2	1996	67,339
Year 3	1997	67,816
Year 4	1998	68,775
Year 5	1999	68,712
Year 6	2000	69,208
Year 7	2001	69,587
Year 8	2002	69,412
Year 9	2003	69,634
Year 10	2004	69,499
<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	2006	69,109
Year 2	2007	69,910
Year 3	2008	70,563
Year 4	2009	71,574
Year 5	2010	72,458
2015 Compliance Year Population		
<b>2015</b>		75,430
NOTES:		



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

	Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Into Distribution System <i>Fm SB X7-7 Table(s) 4-A</i>	Deductions					Annual Gross Water Use
			Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water <i>Fm SB X7-7 Table 4-B</i>	Water Delivered for Agricultural Use	Process Water <i>Fm SB X7-7 Table(s) 4-D</i>	
<b>10 to 15 Year Baseline - Gross Water Use</b>								
Year 1	1995	12,996			0			12,996
Year 2	1996	13,971			0			13,971
Year 3	1997	14,843			0			14,843
Year 4	1998	13,279			0			13,279
Year 5	1999	14,025			0			14,025
Year 6	2000	14,206			0			14,206
Year 7	2001	13,965			0			13,965
Year 8	2002	13,960			0			13,960
Year 9	2003	13,224			0			13,224
Year 10	2004	13,816			0			13,816
Year 11					0			
Year 12					0			
Year 13					0			
Year 14					0			
Year 15					0			
<b>10 - 15 year baseline average gross water use</b>							<b>13,829</b>	
<b>5 Year Baseline - Gross Water Use</b>								
Year 1	2006	12,637			0			12,637
Year 2	2007	13,516			0			13,516
Year 3	2008	13,244			0			13,244
Year 4	2009	12,322			0			12,322
Year 5	2010	10,958			0			10,958
<b>5 year baseline average gross water use</b>							<b>12,535</b>	
<b>2015 Compliance Year - Gross Water Use</b>								
<b>2015</b>		8,870			0			8,870
* NOTE that the units of measure 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 System	Meter Error Adjustment* <i>Optional (+/-)</i>	Corrected Volume Entering Distribution System
--	-------------------------------------	--	---

**10 to 15 Year Baseline - Water into Distribution System**

Year 1	1995	571	571
Year 2	1996	762	762
Year 3	1997	1093	1,093
Year 4	1998	923	923
Year 5	1999	1523	1,523
Year 6	2000	1048	1,048
Year 7	2001	56	56
Year 8	2002	234	234
Year 9	2003	205	205
Year 10	2004	127	127
Year 11			
Year 12			
Year 13			
Year 14			
Year 15			

**5 Year Baseline - Water into Distribution System**

Year 1	2006	148	148
Year 2	2007	323	323
Year 3	2008	409	409
Year 4	2009	436	436
Year 5	2010	475	475

**2015 Compliance Year - Water into Distribution System**

<b>2015</b>	145		145
-------------	-----	--	-----

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

**NOTES:**

**SB X7-7 Table 4-A: Volume Entering the Distribution**

**Name of Source** San Francisco Public Utilities Commission

**This water source is:**

The supplier's own water source

A purchased or imported source

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

**10 to 15 Year Baseline - Water into Distribution System**

Year 1	1995	11,222		11,222
Year 2	1996	11,976		11,976
Year 3	1997	12,418		12,418
Year 4	1998	11,054		11,054
Year 5	1999	11,265		11,265
Year 6	2000	11,840		11,840
Year 7	2001	12,606		12,606
Year 8	2002	12,413		12,413
Year 9	2003	11,729		11,729
Year 10	2004	12,385		12,385
Year 11				
Year 12				
Year 13				
Year 14				
Year 15				

**5 Year Baseline - Water into Distribution System**

Year 1	2006	11,138		11,138
Year 2	2007	11,935		11,935
Year 3	2008	11,505		11,505
Year 4	2009	10,696		10,696
Year 5	2010	9,476		9,476

**2015 Compliance Year - Water into Distribution System**

<b>2015</b>	8,043		8,043
-------------	-------	--	-------

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

NOTES:

**SB X7-7 Table 4-A: Volume Entering the Distribution**

**Name of Source** Santa Clara Valley Water District

**This water source is:**

The supplier's own water source

A purchased or imported source

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

**10 to 15 Year Baseline - Water into Distribution System**

Year 1	1995	1,203		1,203
Year 2	1996	1,233		1,233
Year 3	1997	1,332		1,332
Year 4	1998	1,302		1,302
Year 5	1999	1,237		1,237
Year 6	2000	1,318		1,318
Year 7	2001	1,303		1,303
Year 8	2002	1,313		1,313
Year 9	2003	1,290		1,290
Year 10	2004	1,304		1,304
Year 11				
Year 12				
Year 13				
Year 14				
Year 15				

**5 Year Baseline - Water into Distribution System**

Year 1	2006	1,351		1,351
Year 2	2007	1,258		1,258
Year 3	2008	1,330		1,330
Year 4	2009	1,190		1,190
Year 5	2010	1,007		1,007

**2015 Compliance Year - Water into Distribution System**

<b>2015</b>		682		682
-------------	--	-----	--	-----

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

**NOTES:**

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

<b>Baseline Year</b> <i>Fm SB X7-7 Table 3</i>		<b>Service Area Population</b> <i>Fm SB X7-7 Table 3</i>	<b>Annual Gross Water Use</b> <i>Fm SB X7-7 Table 4</i>	<b>Daily Per Capita Water Use (GPCD)</b>
<b>10 to 15 Year Baseline GPCD</b>				
Year 1	1995	66,916	12,996	173
Year 2	1996	67,339	13,971	185
Year 3	1997	67,816	14,843	195
Year 4	1998	68,775	13,279	172
Year 5	1999	68,712	14,025	182
Year 6	2000	69,208	14,206	183
Year 7	2001	69,587	13,965	179
Year 8	2002	69,412	13,960	180
Year 9	2003	69,634	13,224	170
Year 10	2004	69,499	13,816	177
<i>Year 11</i>	0	0	0	
<i>Year 12</i>	0	0	0	
<i>Year 13</i>	0	0	0	
<i>Year 14</i>	0	0	0	
<i>Year 15</i>	0	0	0	
<b>10-15 Year Average Baseline GPCD</b>				<b>180</b>
<b>5 Year Baseline GPCD</b>				
<b>Baseline Year</b> <i>Fm SB X7-7 Table 3</i>		<b>Service Area Population</b> <i>Fm SB X7-7 Table 3</i>	<b>Gross Water Use</b> <i>Fm SB X7-7 Table 4</i>	<b>Daily Per Capita Water Use</b>
Year 1	2006	69,109	12,637	163
Year 2	2007	69,910	13,516	173
Year 3	2008	70,563	13,244	168
Year 4	2009	71,574	12,322	154
Year 5	2010	72,458	10,958	135
<b>5 Year Average Baseline GPCD</b>				<b>158</b>
<b>2015 Compliance Year GPCD</b>				
<b>2015</b>		75,430	8,870	105
NOTES:				

**SB X7-7 Table 6:** Gallons per Capita per Day  
*Summary From Table SB X7-7 Table 5*

10-15 Year Baseline GPCD	180
5 Year Baseline GPCD	158
2015 Compliance Year GPCD	105
NOTES:	

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

Target Method		Supporting Documentation
<input type="checkbox"/>	Method 1	SB X7-7 Table 7A
<input type="checkbox"/>	Method 2	SB X7-7 Tables 7B, 7C, and 7D <i>Contact DWR for these tables</i>
<input type="checkbox"/>	Method 3	SB X7-7 Table 7-E
<input checked="" type="checkbox"/>	Method 4	Method 4 Calculator

NOTES:

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

5 Year Baseline GPCD <i>From SB X7-7 Table 5</i>	Maximum 2020 Target*	Calculated 2020 Target <i>Fm Appropriate Target Table</i>	Confirmed 2020 Target
158	150	146	146

\* Maximum 2020 Target is 95% of the 5 Year Baseline GPCD

NOTES:



**SB X7-7 Table 8: 2015 Interim Target GPCD**

Confirmed 2020 Target <i>Fm SB X7-7</i> <i>Table 7-F</i>	10-15 year Baseline GPCD <i>Fm SB X7-7</i> <i>Table 5</i>	2015 Interim Target GPCD
146	180	163

NOTES:

**SB X7-7 Table 9: 2015 Compliance**

Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments <i>(in GPCD)</i>					2015 GPCD <i>(Adjusted if applicable)</i>	Did Supplier Achieve Targeted Reduction for 2015?
		Extraordinary Events	Weather Normalization	Economic Adjustment	TOTAL Adjustments	Adjusted 2015 GPCD		
105	163				0	105	105	YES
NOTES:								

## **Appendix E**

Example Notification Letters and Public Hearing Notices



PUBLIC WORKS DEPARTMENT • PUBLIC SERVICES DIVISION  
231 North Whisman Road • Post Office Box 7540 • Mountain View • California • 94039-7540  
650-903-6329 • Fax 650-962-8079

February 18, 2016

MR. KIRK GIRARD  
DIRECTOR OF PLANNING AND DEVELOPMENT  
COUNTY OF SANTA CLARA  
*kirk.girard@pln.sccgov.org*

**VIA E-MAIL**

NOTICE OF PREPARATION OF URBAN WATER MANAGEMENT PLAN UPDATE

Dear Mr. Girard:

The Urban Water Management Plan Act (California Water Code §10610-10656) requires the City of Mountain View to update its Urban Water Management Plan (UWMP) every five years. The UWMP evaluates Mountain View's water supply and demand, and provides a blueprint for meeting the community's long-term water supply objectives. We are currently reviewing our UWMP, which was last updated in 2011, and invite you to participate in this process.

Proposed revisions to the UWMP will be made available for public review and a public hearing will be held later this year. If you have any questions about the UWMP update process, please contact:

Elizabeth Flegel  
Water Conservation Coordinator  
City of Mountain View Public Works Department - Public Services Division  
231 North Whisman Road, Mountain View, CA 94043  
Phone: (650) 903-6774  
Email: [elizabeth.flegel@mountainview.gov](mailto:elizabeth.flegel@mountainview.gov)

Sincerely,

Gregg A. Hosfeldt  
Assistant Public Works Director

cc: PWD, USM, WCC



PUBLIC WORKS DEPARTMENT • PUBLIC SERVICES DIVISION  
231 North Whisman Road • Post Office Box 7540 • Mountain View • California • 94039-7540  
650-903-6329 • Fax 650-962-8079

May 11, 2016

MR. KIRK GIRARD  
DIRECTOR OF PLANNING AND DEVELOPMENT  
COUNTY OF SANTA CLARA  
*kirk.girard@pln.sccgov.org*

**VIA E-MAIL**

NOTICE OF PUBLIC HEARING FOR ADOPTION OF THE 2015 URBAN WATER  
MANAGEMENT PLAN

Dear Mr. Girard:

The Mountain View City Council will accept public comments and consider adopting the City's 2015 Urban Water Management Plan at their regularly scheduled meeting on:

Tuesday, May 24, 2016, 6:30 p.m.  
Mountain View City Hall  
500 Castro Street

The proposed 2015 Urban Water Management Plan is available for review online at [www.mountainview.gov/uwmp](http://www.mountainview.gov/uwmp) or in person at the Mountain View Public Library (585 Franklin St) and the Public Works Department (500 Castro Street).

Sincerely,

Gregg A. Hosfeldt  
Assistant Public Works Director

cc: PWD, USM, WCC



**NOTICE OF PUBLIC HEARING  
CITY COUNCIL**

**Urban Water Management Plan**

NOTICE IS HEREBY GIVEN that Tuesday, the 24th day of May 2016, at the hour of 6:30 p.m. or as soon thereafter as the matter can be heard in the Council Chambers at City Hall, 500 Castro Street, Mountain View, has been set as the time and place for a public hearing on the following item:

Revisions to the City of Mountain View's 2015 Urban Water Management Plan (UWMP). The UWMP evaluates Mountain View's water supply and demand, and provides a blueprint for meeting the community's long-term water supply objectives. Mountain View's UWMP was last updated in 2011. The proposed updated UWMP is available for review online at [www.mountainview.gov/uwmp](http://www.mountainview.gov/uwmp) and in person at the Mountain View Public Library (585 Franklin Street) and the Public Works Department (500 Castro Street).

Please call 650-903-6774 if you have any questions about the UWMP update process.

Interested parties may appear and be heard. Written statements may be submitted to the City Clerk, P.O. Box 7540, Mountain View, California, 94039-7540. Legal challenges may be limited to those issues or objections raised at the public hearing orally or in written correspondence delivered to the City Clerk at, or prior to, the public hearing.

Dated this 13th day of May 2016.

Lorrie Brewer, MMC  
City Clerk

LB/MH/7/CLK  
405-05-13-16F007-E



PUBLIC WORKS DEPARTMENT • PUBLIC SERVICES DIVISION  
231 North Whisman Road • Post Office Box 7540 • Mountain View • California • 94039-7540  
650-903-6329 • Fax 650-962-8079

June 24, 2016

MR. KIRK GIRARD  
DIRECTOR OF PLANNING AND DEVELOPMENT  
COUNTY OF SANTA CLARA  
*kirk.girard@pln.sccgov.org*

**VIA E-MAIL**

NOTICE OF ADOPTION OF THE 2015 URBAN WATER MANAGEMENT PLAN

Dear Mr. Girard:

The Mountain View City Council adopted the City's 2015 Urban Water Management Plan on May 24, 2016. The adopted 2015 Urban Water Management Plan is available online at [www.mountainview.gov/uwmp](http://www.mountainview.gov/uwmp), at the Mountain View Public Library (585 Franklin Street) and the Public Works Department (500 Castro Street).

Sincerely,

Gregg A. Hosfeldt  
Assistant Public Works Director

cc: PWD, USM, WCC

## **Appendix F**

Resolution Adopting the  
2015 Urban Water Management Plan



CITY OF MOUNTAIN VIEW  
RESOLUTION NO. 18057  
SERIES 2016

A RESOLUTION ADOPTING THE CITY OF MOUNTAIN VIEW  
2015 URBAN WATER MANAGEMENT PLAN

WHEREAS, the California Urban Water Management Planning Act requires that urban water suppliers providing water to more than 3,000 customers or supplying more than 3,000 acre-feet of water per year prepare an Urban Water Management Plan; and

WHEREAS, the City is an urban water supplier serving over 17,000 water customers and supplying over 8,000 acre-feet of water annually; and

WHEREAS, the City's last Urban Water Management Plan was prepared in 2011; and

WHEREAS, an updated Urban Water Management Plan must be adopted by the City Council by July 1, 2016, and filed with the California Department of Water Resources within 30 days of adoption; and

WHEREAS, the City has prepared and circulated a draft 2015 Urban Water Management Plan for public review, and properly noticed a public hearing regarding said plan held by the City Council on May 24, 2016; and

WHEREAS, the Mountain View City Council considered the 2015 Urban Water Management Plan, Council report, and all public testimony on May 24, 2016;

NOW, THEREFORE, BE IT RESOLVED that the City of Mountain View:

1. Adopts the Mountain View 2015 Urban Water Management Plan.
2. Authorizes the Public Works Director, or his designee, to file the 2015 Urban Water Management Plan with the California Department of Water Resources, the California State Library, and the County of Santa Clara within 30 days of adoption as described in Section 10644(a) of the California Water Code.
3. Authorizes the Public Works Director to implement the 2015 Urban Water Management Plan in accordance with State law.

-----

The foregoing Resolution was regularly introduced and adopted at a Regular Meeting of the City Council of the City of Mountain View, duly held on the 24th day of May 2016, by the following vote:

AYES: Councilmembers Clark, Inks, Kasperzak, McAlister, Siegel, and Vice Mayor Rosenberg

NOES: None

ABSENT: Mayor Showalter

NOT VOTING: None

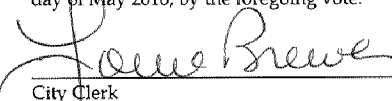
ATTEST:

APPROVED:

  
\_\_\_\_\_  
LORRIE BREWER, MMC  
CITY CLERK

  
\_\_\_\_\_  
PATRICIA SHOWALTER  
MAYOR

I do hereby certify that the foregoing resolution was passed and adopted by the City Council of the City of Mountain View at a Regular Meeting held on the 24th day of May 2016, by the foregoing vote.

  
\_\_\_\_\_  
City Clerk  
City of Mountain View

EF/7/RESO  
703-05-24-16r-E

## **Appendix G**

SB X7-7 Provisional Target Method 4 Calculator

## User Input -- Provisional Method 4 Target

Target Calculation Option (select one): \* Calculate Targets Using Default Indoor Residential Savings \* = Required Data

Water Supplier Name: \* City of Mountain View

### 10-15 Year Baseline Water Use Information

Baseline Period: \* 1995-2004 Midpoint of Baseline Period: 1999

Baseline Water Use GPCD: \* 180.0 Population in Midpoint Year: \* 68,712

### 5 Year Baseline Water Use Information

Baseline Period: \* 2006-2010

Baseline Water Use GPCD: \* 160.0 95% of 5-Year Baseline GPCD: 152.0

### Unmetered Connections

Number of Unmetered Connections in 1999: \* 0

Water Use By Unmetered Connections In 1999: \* 0 Acre-Feet

### Baseline CII Water Use<sup>1</sup>

CII Water Use in 1999: \* 3,433 Acre-Feet

Per Capita Use: 44.6 GPCD

<sup>1</sup>CII = Commercial, Industrial, Institutional.

If you have chosen to calculate targets using the Default Indoor Residential Savings, you do not need to complete the remaining tables.  
Go to the "Calculated Targets" worksheet.

### Optional Data Needed to Calculate Targets Using the Indoor Residential Savings Calculators

**NOTE:** You only need to complete the tables below if you have chosen to calculate targets using the indoor residential savings calculators. The data you enter here is used to calculate the 2020 water saving values for residential toilets, washers, and showerheads. If you are using the Default Indoor Residential Savings you do not need to enter this data.

#### Persons and Plumbing Fixtures Per Household

	Single Family	Multi Family
Units Per Household:		
Persons		
Toilets		
Showers		

The table below shows average shower and toilet counts per household for major metropolitan areas. The table is based on 2003 data published by the American Housing Survey.

SMSA Code	SMSA name	Single Family		Multi Family	
		Showers	Toilets	Showers	Toilets
360	Anaheim-Santa Ana	1.92	2.33	1.25	1.44
680	Bakersfield	1.64	1.96	1.38	1.48
2840	Fresno	1.62	1.91	1.19	1.29
4480	Los Angeles-Long Beach	1.58	1.93	1.19	1.34
5170	Modesto	1.79	1.99	1.23	1.58
5775	Oakland	1.77	2.07	1.17	1.36
6000	Oxnard-Ventura	1.87	2.22	1.16	1.37
6780	Riverside-San Bernardino	1.81	2.05	1.37	1.51
6920	Sacramento	1.69	1.99	1.14	1.21
7120	Salinas-Seaside-Monterey	1.72	2.09	1.00	1.15
7320	San Diego	1.92	2.21	1.25	1.39
7360	San Francisco	1.79	2.20	1.15	1.25
7400	San Jose	1.98	2.33	1.24	1.39
7480	Santa Barbara-Santa Maria-Lompoc	1.60	1.80	1.00	1.10
7500	Santa Rosa-Petaluma	2.26	2.43	1.00	1.20
8120	Stockton	1.58	1.87	1.11	1.11
8720	Vallejo-Fairfield-Napa	1.91	2.31	1.11	1.26
CA urban average		1.75	2.08	1.20	1.35

#### Residential Housing Units

	Single Family	Multi Family
Year		
1991		
1992		
1993		
1994		
1995		
1996		
1997		
1998		
1999		
2000	Row Not Used -->	
2001	Row Not Used -->	
2002	Row Not Used -->	
2003	Row Not Used -->	
2004	Row Not Used -->	
2005	Row Not Used -->	

#### Imputed Service Area Population 1999

**NOTE:** If imputed service area population differs by more than 5% from the service area population entered above, you should revise your persons per household or dwelling unit estimates.

Enter Group Quarters Population in 1999: 0 (estimate using census data)  
 Imputed Single Family Population in 1999: 0 (persons per household x dwelling units)  
 Imputed Multi Family Population in 1999: 0 (persons per household x dwelling units)  
 Imputed Service Area Population in 1999: 0

Service Area Population Entered Above: 68,712

**WARNING: Imputed service area population differs from service area population you entered above by more than 5%!**

#### Toilet Saturation In 1999

**NOTE:** You can enter toilet saturation levels in 1999 or let the model calculate them. Select which method the calculator should use.

Toilet Saturation Estimation Option (select one): 1. Enter my own saturation estimates

**OPTION 1:** Complete the following table if you selected Option 1 -- Enter my own saturation estimate.

	Estimated % of Toilets in 1999 by Flush Volume				
	5 gpf	3.5 gpf	1.6 gpf	1.28 gpf	Total
Single Family					0.0%
Multi Family					0.0%

How was saturation estimated?  
 (Use this field to describe how toilet saturation was estimated)

**WARNING: Saturation does not sum to 100%!**

**OPTION 2:** Complete the following table if you selected Option 2 -- Have calculator estimate saturation.

Year	Conservation Program Toilet Replacements			
	Single Family		Multi Family	
	ULFT	HET	ULFT	HET
1991				
1992				
1993				



## Target Calculation -- Provisional Method 4 Target

### Step 1. Calculation of Landscape Water Use and System Water Loss

Urban Supplier	1995-2004 Baseline GPCD	-	Assumed Indoor Residential per Capita Water Use GPCD	-	CII per Capita Water Use GPCD	=	Estimated Landscape Water Use and System Water Loss GPCD
City of Mountain View	180.0		70.0		44.6		65.4

### Step 2. Calculation of Savings Using BMP Calculators

(Alternate) STEP 2 BEING USED TO CALCULATE TARGET

Urban Supplier	Indoor Residential Savings Calculators					+	Metering Savings BMP 1.3	+	CII Savings BMP 4	+	Land-scape + Water Loss Savings 21.6%	=	Total Savings GPCD
	Single Family Toilets	Multi Family Toilets	Residential Washers	Residential Showers	Total IR Savings								
City of Mountain View	XXXX	XXXX	XXXX	XXXX	XXXX		XXXX		XXXX		XXXX		XXXX

### (Alternate) Step 2. Calculation of Savings Using Default Indoor Residential Savings

Urban Supplier	Default Residential Indoor Savings	+	Metering Savings BMP 1.3	+	CII Savings BMP 4	+	Land-scape + Water Loss Savings 21.6%	=	(alt) Total Savings GPCD
City of Mountain View	15.0		0.0		4.5		14.1		33.6

### Step 3. Calculation of Urban Water Use Targets

Urban Supplier	1995-2004 Baseline GPCD	-	Total Savings GPCD	=	Computed 2020 Target GPCD	➡	Less Than 95% of 5-Year Baseline	➡	Final 2020 Target	➡	Final 2015 Target
City of Mountain View	180.0		33.6		146.4		TRUE		146.4		163.2

## **Appendix H**

### **Santa Clara Valley Water District 2012 Groundwater Management Plan**

(Omitted due to large file size - available upon request)

Accessible online at:

<http://www.valleywater.org/services/groundwater.aspx>

## **Appendix I**

City of Mountain View Water Shortage Ordinance



## DIVISION 3. - WATER CONSERVATION<sup>[1]</sup>

### Footnotes:

--- (1) ---

**Editor's note**—Ord. No. 5.14, § 1, adopted April 8, 2014, amended the Code by, in effect, repealing former Div. 3, §§ 35.28.1—35.28.8, and adding a new Div. 3. Former Div. 3 pertained to similar subject matter, and derived from Ord. No. 11.89, adopted June 13, 1989; Ord. No. 8.91, adopted May 14, 1991; Ord. No. 4.92, adopted February 25, 1992; Ord. No. 1.93, adopted April 13, 1993.

### SEC. 35.28.1. - Findings and determinations.

The city council of the City of Mountain View hereby finds and determines that:

- (a) The water conservation provisions defined in this division are needed to minimize water waste and conserve the City of Mountain View's water supply for the greatest public benefit, with particular regard to human consumption, sanitation and fire protection and the health, safety and welfare of the people and economy of the City of Mountain View;
- (b) Permanent water conservation provisions are necessary to meet the continually changing demands made on the City of Mountain View's finite water supply and to prepare for future drought;
- (c) More restrictive water conservation provisions are necessary during water shortages to manage the City of Mountain View's water supply and minimize the effects of drought and shortage;
- (d) The City of Mountain View's primary water suppliers, the San Francisco Public Utilities Commission and the Santa Clara Valley Water District, support efficient water-use practices during normal supply conditions and water shortages; and
- (e) The prohibition of nonessential uses of water imposed by this division are needed to prevent waste of the City of Mountain View's water, and are imposed and enforced pursuant to the city's power under Sec. 5 and 7 of Article 11 of the California Constitution and Sec. 350 through 359 and 375 through 378 of the California Water Code.

(Ord. No. 5.14, § 1, 4/8/14.)

### SEC. 35.28.2. - Definitions.

- (a) "City" means the City of Mountain View, a charter city.
- (b) "Director" means the public works director of the City of Mountain View, or his/her designee or representative.
- (c) "Customer" means any individual, firm, partnership, unincorporated association, corporation, company, organization or governmental entity or agency, whether within or without the geographic boundaries of the City of Mountain View who uses water supplied by the city.
- (d) "Irrigation station" means an area of irrigated landscape controlled by a single irrigation valve.
- (e) "Hard-surfaced areas" means sidewalks, walkways, driveways, parking areas, tennis courts, patios, alleys or other paved areas.

- (f) "Single-pass cooling system" means equipment where water is circulated only once to cool equipment before being disposed.
- (g) "Decorative water feature" means a design element where open water performs an aesthetic function, including, but not limited to, ponds, fountains, waterfalls and artificial streams.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.3. - Prohibition of nonessential water use.

The nonessential water uses defined in Sec. 35.28.4, et seq. are prohibited as set forth below. In the event of a declared water shortage, any prohibited water uses imposed by this division in which two (2) or more prohibitions apply to the same water use, the most restrictive prohibition shall apply.

- (a) Normal supply conditions. Any of the nonessential water uses defined in Sec. 35.28.4.1 are prohibited at all times.
- (b) Stage 1 water shortage (up to ten (10) percent reduction). A Stage 1 water shortage exists when the city council declares that a water supply shortage exists and a demand reduction of up to ten (10) percent is necessary to appropriately respond to existing supply conditions. Upon declaration of a Stage 1 water shortage by the city council, city staff shall increase public education and outreach efforts to increase public awareness of the prohibited nonessential water uses as defined in Sec. 35.28.4.1 and to encourage voluntary reduction in water use.
- (c) Stage 2 water shortage (up to twenty-five (25) percent reduction). A Stage 2 water shortage exists when the city council declares that a water supply shortage exists and a demand reduction of up to twenty-five (25) percent is necessary to appropriately respond to existing supply conditions. Upon declaration of a Stage 2 water shortage by the city council, any of the nonessential water uses defined in Sec. 35.28.4.1 through Sec. 35.28.4.2 are prohibited.
- (d) Stage 3 water shortage (up to forty (40) percent reduction). A Stage 3 water shortage exists when the city council declares that a water supply shortage exists and a demand reduction of up to forty (40) percent is necessary to appropriately respond to existing supply conditions. Upon declaration of a Stage 3 water shortage by the city council, any of the nonessential water uses defined in Sec. 35.28.4.1 through Sec. 35.28.4.3 are prohibited.
- (e) Stage 4 water shortage (greater than forty (40) percent reduction). A Stage 4 water shortage exists when the city council determines that a water supply shortage exists and a demand reduction of greater than forty (40) percent is necessary to make more efficient use of water and appropriately respond to existing water conditions. Upon declaration of a Stage 4 water shortage by the city council, any of the nonessential water uses defined in Sec. 35.28.4.1 through Sec. 35.28.4.4 are prohibited.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.3.1. - Water shortage declaration.

The city manager may recommend the city council adopt a resolution to declare a water shortage when there is a reasonable probability that there will be a supply shortage necessitating a demand reduction in order to ensure that sufficient supplies will be available to meet anticipated demands. Upon declaration of a water shortage emergency, the city manager shall take action to implement the prohibitions identified in this division, as applicable to the declared water shortage stage. The declared water shortage shall remain in effect until rescinded or otherwise modified by subsequent resolution of city council.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.4. - Nonessential water uses defined.

The following uses of potable water are hereby determined to be nonessential, except as further provided herein.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.4.1. - Normal supply conditions.

The following nonessential water uses are prohibited at all times and in all declared water shortage stages.

- (a) Failure to repair broken or defective water systems.
  - (1) Use of potable water through any meter when written notice has been given by the director to repair broken or defective plumbing, sprinkler, watering or irrigation systems and has failed to effect such repairs. The failure of any customer to effect said repairs within the applicable time period after said written notification by director shall constitute grounds for immediate discontinuance of water service pursuant to Sec. 35.28.6.
  - (2) The time period within which repair shall be made of the broken or defective plumbing, sprinkler, watering or irrigation systems after receiving written notice is determined by the water supply condition as follows:
    - 1. A maximum of ten (10) days under normal supply conditions.
    - 2. A maximum of ten (10) days during a Stage 1 water shortage.
    - 3. A maximum of five (5) days during a Stage 2 water shortage.
    - 4. A maximum of three (3) days during a Stage 3 water shortage.
    - 5. A maximum of twenty-four (24) hours during a Stage 4 water shortage.
- (b) Water use that results in flooding or runoff. Use of potable water which results in flooding or runoff into gutters, sidewalks, driveways, streets, highways, roads or other hard-surfaced areas.
- (c) Cleaning hard-surfaced areas. Use of potable water through a hose for the cleaning of hard-surfaced areas without a positive automatic shutoff valve on the outlet end of the hose.
- (d) Vehicle washing. Use of potable water through a hose for washing cars, buses, boats, trailers or other vehicles without a positive automatic shutoff valve on the outlet end of the hose.
- (e) Restaurant water service. Use of potable water for restaurant water service unless upon request.
- (f) Single-pass cooling systems. Use of potable water in single-pass cooling systems.

(Ord. No. 5.14, § 1, 4/8/14; Ord. No. 3.15, § 1, 5/26/15.)

SEC. 35.28.4.2. - Stage 2 water shortage.

The following nonessential water uses are prohibited during a declared Stage 2, Stage 3 and Stage 4 water shortage.

- (a) Cleaning hard-surfaced areas. Use of potable water for washing down of hard-surfaced areas, except by use of a hand-held bucket or similar container or when necessary to alleviate safety or sanitary hazards.

- (b) Vehicle washing. Use of potable water for washing cars, buses, boats, trailers or other vehicles except by use of a hand-held bucket or similar container. This subsection does not apply to any commercial vehicle washing facility.
- (c) Landscape watering and irrigation.
  - (1) Watering or irrigation of lawn, landscape or other vegetated area with potable water between the hours of 9:00 a.m. and 5:00 p.m. on any day, except by use of a hand-held bucket or similar container, a hand-held hose equipped with a positive self-closing water shutoff nozzle or device, or for very short periods of time for the express purpose of adjusting or repairing an irrigation system. This subsection does not apply to irrigation stations that exclusively use drip-type irrigation systems.
  - (2) Watering or irrigation of lawn, landscape or other vegetated area with potable water for more than one (1) to three (3) days per week, as determined by the director, depending on the circumstances, to achieve the targeted demand reduction pursuant to a schedule established and posted by the city. This subsection does not apply to watering or irrigating for very short periods of time for the express purpose of adjusting or repairing an irrigation system.
  - (3) Watering or irrigation of lawn, landscape or other vegetated area with potable water for more than fifteen (15) minutes per day per irrigation station. This subsection does not apply to irrigation stations that exclusively use drip-type irrigation systems or high-efficiency sprinkler nozzles that have a precipitation rate of less than one (1) inch per hour, or watering or irrigating for very short periods of time for the express purpose of adjusting or repairing an irrigation system.
  - (4) Watering or irrigation of lawn, landscape or other vegetated area with potable water during a rain event.
  - (5) As an alternative to compliance with (c)(2) and (c)(3) of this section, large landscape water customers with a dedicated irrigation meter and those eligible and participating in the city's Landscape Water Budget Program may elect to reduce irrigation water use below the customer's Landscape Water Budget by a percentage as determined by the director and posted by the city.

Any customer electing to comply with this alternative irrigation program shall notify the city of their election in a manner determined by the director. If the customer fails to comply with the reduction requirements for any consecutive two-month period, the customer shall be removed from participation in this alternative program and be required to comply with (c)(2) and (c)(3) of this section. After removal from the program, a customer may re-elect to participate in this alternative program, only if the customer has reduced their irrigation water use below the Landscape Water Budget by the percentage set forth above as determined by the director and posted by the city for a consecutive two-month period.

- (d) Decorative water features. Use of potable water in decorative water features except as needed to maintain aquatic life.
- (e) Prerinse spray valves. Use of potable water through a non-low-flow prerinse spray valve for restaurant dishwashing.
- (f) Hotel linens. Providing hotel guests with new towels and bed linens daily, without offering the option to reuse said towels and bed linens.
- (g) New commercial car washes. Construction or installation and operation of a new commercial conveyor car wash system that does not utilize water-recirculation technologies.
- (h) New commercial laundry systems. Construction or installation and operation of a new commercial laundry system that does not utilize water-recirculation technologies.
- (i) Construction. Use of potable water for construction purposes, including, but not limited to, dust control, when recycled water is readily available.

(Ord. No. 5.14, § 1, 4/8/14; Ord. No. 3.15, § 2, 5/26/15.)

SEC. 35.28.4.3. - Stage 3 water shortage.

The following nonessential water uses are prohibited during a declared Stage 3 and Stage 4 water shortage.

- (a) Commercial car washes. Operating a commercial car wash system that does not utilize water-recirculation technologies.
- (b) Filling swimming pools. Filling swimming pools or spas with potable water.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.4.4. - Stage 4 water shortage.

The following nonessential water uses are prohibited during a declared Stage 4 water shortage.

- (a) Landscape watering or irrigation. Watering or irrigating of lawn, landscape or other vegetated area with potable water, except for the following uses:
  - (1) Maintenance of existing landscape necessary for fire protection.
  - (2) Maintenance of existing landscape for soil erosion control.
  - (3) Maintenance of plant materials identified to be rare or essential to the well-being of protected species.
  - (4) Maintenance of landscape within active public parks and playing fields, day-care centers, golf course greens and school grounds, provided that such irrigation does not exceed one (1) day per week and does not occur between 9:00 a.m. and 5:00 p.m.
  - (5) Actively irrigated environmental mitigation projects.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.5 - Exceptions and appeals.

The procedures for exceptions and appeals shall be as set forth below.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.5.1. - Exceptions.

Written applications for an exception to the provisions of this division shall be made to the director. A written determination will be made on all requests for exceptions within ten (10) business days from receipt of an application for an exception and mailed to the applicant.

The director's determination shall consider the following criteria:

- (a) Whether all practical water conservation measures have been previously adopted;
- (b) Whether failure to grant the application would cause an emergency condition adversely affecting the health, sanitation, fire protection or safety of the customer or the public; or
- (c) Whether undue hardship would result to the applicant if the application were denied or the flow-restricting device were installed, including adverse economic impact such as loss of production or loss of jobs.

(Ord. No. 5.14, § 1, 4/8/14; Ord. No. 3.15, § 3, 5/26/15.)

SEC. 35.28.5.2. - Appeals.

Denials of any application for an exception or a decision of the director to install a flow-restricting device or discontinue water service may be appealed to the city manager, or his/her designee, whose decision shall be final. An application for an appeal shall be filed with the city clerk in writing within seven (7) calendar days after the director's decision and shall state the specific grounds for the appeal. The city manager shall issue a written decision within fifteen (15) calendar days after the appeal has been filed with the city clerk.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.6. - Enforcement.

The enforcement of the water conservation provisions of this division shall be as set forth below.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.6.1. - Installation of flow-restricting devices as enforcement.

- (a) Upon the receipt of reliable information confirming an alleged violation of this division, the director shall issue a written warning to the suspected violator. The director may, after one (1) or more written warnings, determine whether to require installation of a flow-restricting device on the service line of any customer violating any of the provisions of this division.
- (b) If the director determines installation of a flow-restricting device is necessary, written notification of the director's decision shall be mailed to the customer. The customer shall have ten (10) calendar days from the decision to contest the director's decision by submitting written documentation to the director. If the customer does not contest the decision, the decision will become final without further notification. If the customer contests the director's decision, the director shall have ten (10) business days to issue a final written decision considering the criteria set forth in Sec. 38.28.5.1. If the customer contested the director's decision, he/she may appeal the director's decision pursuant to Sec. 38.28.5.2.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.6.2. - Charges for installation and removal of flow-restricting devices.

The charges for the installation and removal of flow-restricting devices shall be fixed by resolution of the city council based on the city's costs for labor, equipment, materials and overhead.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.6.3. - Installation of flow-restricting devices—Time periods.

The first installation of a flow-restricting device shall remain in place for a minimum of three (3) days. The second installation of a flow-restricting device shall remain in place for a minimum period of ten (10) days. Normal water service shall not be restored until all installation and removal costs of flow-restricting devices have been paid.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.7. - Discontinuance of water service.

Continued water use in violation of any of the provisions of this division, after written warning by the director and installation of flow-restricting devices, may result in the discontinuation of water service by the City of Mountain View. The director shall mail a written notice of discontinuation of water service. A customer may appeal pursuant to Sec. 38.28.5.2. The charge for reactivating or restoring water service shall be fixed by resolution of the city council, based on the city's cost for labor, equipment, materials and overhead.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.8. - Penalties.

The remedies provided in this division are cumulative and in addition to any other remedies available at law or in equity, including enforcement pursuant to Chapter 1 of this Code. Any violation of this division may be remedied by an enforcement action brought by the city, including, but not limited to, administrative or traditional nuisance abatement proceedings, civil or criminal code enforcement proceedings and suits for injunctive relief.

(Ord. No. 5.14, § 1, 4/8/14.)

SEC. 35.28.9—35.28.11 - Repealed by Ord. No. 1.93, 4/13/93.

SEC. 35.28.12—35.28.16. - Repealed by Ord. No. 5.78, 2/14/78.