

Appendix J: Tariff Rule 14.1 Water Conservation and Rationing Plan, and Local Conservation Ordinances

- Tariff Rule and Schedule 14.1
 - City of Cupertino Water Conservation Ordinance
 - City of Mountain View Landscape Ordinance
 - City of Sunnyvale Water Conservation Ordinance
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Cal. P.U.C. Sheet No. xxxxx -W

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Cal. P.U.C. Sheet No. 10202 -W

Rule No. 14.1

WATER SHORTAGE CONTINGENCY PLAN (continued)

(Page 1)

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A. APPLICABILITY

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- 1. This schedule applies to all of California Water Service’s regulated ratemaking areas in California, as well as Grand Oaks Water.

B. GENERAL INFORMATION

- 1. All expenses incurred by utility to implement Rule 14.1, and Schedule 14.1, and requirements of the California State Water Resources Control Board (“Water Board”) that have not been considered in a General Rate Case or other proceeding shall be accumulated by Cal Water in a separate memorandum account, authorized in Resolution W-4976, for disposition as directed or authorized from time to time by the Commission.
- 2. To the extent that a Stage of Mandatory Water Use Restrictions in Schedule 14.1 has been activated, and a provision in this Rule is inconsistent with the activated Stage in Schedule 14.1, the provisions of Schedule 14.1 apply.

C. DEFINITIONS

For the purposes of this Rule, the following terms have the meanings set forth in this section.

- 1. “Commercial nursery” means the use of land, buildings or structures for the growing and/or storing of flowers, fruit trees, ornamental trees, vegetable plants, shrubs, trees and similar vegetation for the purpose of transplanting, for use as stock or grafting, and includes the retail sale or wholesale distribution of such items directly from the premises/lot.
- 2. “Drip irrigation system” means a non-spray, low-pressure, and low volume irrigation system utilizing emission devices with a precipitation or flow rate measured in gallons per hour (GPH), designed to slowly apply small volumes of water at or near the root zone of plants or other landscaping.
- 3. “Flow rate” means the rate at which water flows through pipes, valves, and emission devices, measured in gallons per minute (GPM), gallons per hour (GPH), inches per hour (IPH), hundred cubic feet (Ccf), or cubic feet per second (CFS).
- 4. “Flow-restricting device” means valves, orifices, or other devices that reduce the flow of potable water through a service line, which are capable of passing a minimum of 3 Ccf per person, per month, based upon the U.S. Census calculation of the average number of people in a household in the area.
- 5. “High-efficiency sprinkler systems” means an irrigation system with emission devices, such as sprinkler heads or nozzles, with a precipitation or flow rate no greater than one IPH.
- 6. “Irrigation” means the application of potable water by artificial means to landscape.
- 7. “Irrigation system” means the components of a system meant to apply water to an area for the purpose of irrigation, including, but not limited to, piping, fittings, sprinkler heads or nozzles, drip tubing, valves, and control wiring.
- 8. “Landscape” means all of the outdoor planting areas, turf areas, and water features at a particular location.
- 9. “Measureable rainfall” means any amount of precipitation of more than one-tenth of an inch (0.1”).
- 10. “Micro spray irrigation system” means a low-pressure, low-volume irrigation system utilizing emission devices that spray, mist, sprinkle, or drip with a precipitation or flow rate measured in GPH, designed to slowly apply small volumes of water to a specific area.

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Rule No. 14.1

WATER SHORTAGE CONTINGENCY PLAN (continued)

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C. DEFINITIONS (Continued)

- 11. "Ornamental landscape" means shrubs, bushes, flowers, ground cover, turf, lawns, and grass planted for the purpose of improving the aesthetic appearance of property, but does not include crops or other agricultural products or special landscape areas.
- 12. "Ornamental turf" means a ground cover surface of grass that can be mowed and is planted for the purpose of improving the aesthetic appearance of the property, but does not include crops or other agricultural products or special landscape areas.
- 13. "Plumbing fixture" means a receptacle or device that is connected to a water supply system, including, but not limited to, pipes, toilets, urinals, showerheads, faucets, washing machines, water heaters, tubs, and dishwashers.
- 14. "Potable water" means water supplied by Cal Water which conforms to the federal and state standards for human consumption.
- 15. "Properly programmed" means a smart irrigation controller that has been programmed according to the manufacturer's instructions and site-specific conditions.
- 16. "Real-time water measurement device" means a device or system that provides regularly updated electronic information regarding the customer's water use.
- 17. "Runoff" means water which is not absorbed by the soil or landscape to which it is applied and flows from the landscape onto other areas.
- 18. "Smart irrigation controller" means an automatic device used to remotely control valves that operate an irrigation system that has been tested by an American National Standards Institute accredited third-party certifying body or laboratory in accordance with the Environmental Protection Agency's WaterSense program (or an analogous successor program), and certified by such body or laboratory as meeting the performance and efficiency requirements of such program, or the more stringent performance and efficiency requirements of another similar program.
- 19. "Special landscape area" means an area of the landscape dedicated solely to edible plants and areas dedicated to active play such as parks, sports fields, golf courses, and where turf provides a playing surface.
- 20. "Turf" means a ground cover surface of grass that can be mowed.
- 21. "Water feature" means a design element where open, artificially supplied water performs an aesthetic or recreation feature, including, but not limited to, ponds, lakes, waterfalls, fountains, and streams.
- 22. "Water use evaluation" means an evaluation of the efficiency of indoor water-using devices, including, but not limited to, measurement of flow rates for all existing showerheads, faucets, and toilets, inspection for leaks, and providing written recommendations to improve the efficiency of the indoor water-using fixtures and devices and/or an evaluation of the performance of an irrigation system, including, but not limited to, inspection for leaks, reporting of overspray or runoff, and providing written recommendations to improve the performance of the irrigation system.

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Rule No. 14.1

WATER SHORTAGE CONTINGENCY PLAN (continued)

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D. ENFORCEMENT

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Each Stage of this Rule establishes certain restrictions on the use of potable water. Violating the restrictions set forth in a particular Stage while it is in effect is declared a non-essential, wasteful use of potable water. Subject to the schedule and conditions outlined below, Cal Water is authorized to install a flow-restricting device on the service line of any customer when its personnel verify a customer is using potable water for non-essential, wasteful uses. No person shall have any right or claim in law or in equity, against Cal Water because of, or as a result of, any matter or thing done or threatened to be done pursuant to the restrictions on using potable water for non-essential, wasteful uses.

1. **FIRST VIOLATION:** Cal Water shall provide the customer with a written notice of violation.
2. **SECOND VIOLATION:** If Cal Water verifies that the customer has used potable water for non-essential, wasteful uses after having been notified of the first violation, Cal Water shall provide the customer with a second written notice of violation and is authorized to install a flow-restricting device on the customer's service line. Cal Water shall not be held liable for any injuries, damages, and/or consequences arising from the installation of a flow restricting device.
3. **NOTICES OF VIOLATION:**
 - A. Written notices of violation provided to customers pursuant to this Rule shall document the verified violation and alert the customer to the fact that future violations of the restricted uses of potable water may result in the installation of a flow-restricting device on the customer's service line or the discontinuation of the customer's service.
 - B. If Cal Water elects to install a flow-restricting device on a customer's service line, the written notice of violation shall explain that a flow-restricting device has or will be installed on the customer's service line, document the steps the customer must take in order for the flow-restricting device to be removed, and explain that after the flow-restricting device is removed, it may be reinstalled, without further notice, if the customer is again verified by Cal Water's personnel to be using potable water for non-essential, wasteful uses.
4. **FLOW RESTRICTING DEVICE CONDITIONS:** The installation of a flow-restricting device on a customer's service line is subject to the following conditions:
 - a. The device shall be capable of providing the premise with a minimum of 3 Ccf per person, per month, based upon the U.S. Census calculation of the average number of people in a household in the area.
 - b. The device may only be removed by Cal Water, and only after a minimum three-day period has elapsed.
 - c. Any tampering with the device may result in the discontinuation of the customer's water service and the customer being charged for any damage to Cal Water's equipment or facilities and any required service visits.

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WATER SHORTAGE CONTINGENCY PLAN (continued)

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D. ENFORCEMENT (Continued)

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d. After the removal of the device, if Cal Water verifies that the customer is using potable water for non-essential, wasteful uses, Cal Water may install another flow-restricting device without prior notice. This device may remain in place until water supply conditions warrant its removal. If, despite the installation of the device, Cal Water verifies that the customer is using potable water for non-essential and, unauthorized wasteful uses, then Cal Water may discontinue the customer’s water service, as provided in its Rule No. 11.

5. FLOW-RESTRICTING DEVICE REMOVAL CHARGES: The charge to customers for removal of a flow-restricting device installed pursuant to this Rule is \$100 during normal business hours, and \$150 for the device to be removed outside of normal business hours.

E. WASTEFUL USES OF WATER

Except where necessary to address an immediate health or safety need or to comply with a term or condition in a permit issued by a state or federal agency, customers are prohibited, at all times, from using potable water for the following actions, as each is declared a non-essential, wasteful use of water:

1. Use of potable water through a broken or defective plumbing fixture or irrigation system when Cal Water has notified the customer in writing to repair the broken or defective plumbing fixture or irrigation system, and the customer has failed to effect such repairs within seven (7) business days of receipt of such notice;
2. The application of potable water to landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures;
3. The use of a hose that dispenses potable water to wash vehicles, including cars, trucks, buses, boats, aircraft, and trailers, whether motorized or not, except where the hose is fitted with a shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use.

F. MANDATORY STAGED RESTRICTIONS OF WATER USE

1. ADOPTION OF STAGED MANDATORY RESTRICTIONS: Cal Water may implement the following staged mandatory restrictions of water use, after notifying the Director of the Commission’s Division of Water and Audits (DWA), by a Tier 1 advice letter in both hard-copy and emailed formats, of Cal Water’s intent to implement a particular stage, if:

- a. Water supplies are projected to be insufficient to meet normal customer demand by Cal Water; or
- b. A water supply shortage or threatened shortage exists; or
- c. Water supplies are curtailed by a wholesale water supplier; or
- d. Directed to do so under a duly adopted emergency regulation by the Commission or other authorized government agencies.

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WATER SHORTAGE CONTINGENCY PLAN (continued)

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F. MANDATORY STAGED RESTRICTIONS OF WATER USE (Continued)

- 2. **PUBLIC NOTICE:** Thirty (30) days prior to implementing a mandatory staged reduction in water use in this Rule, Cal Water shall notify its customer of the requirements of the particular stage implemented by Cal Water by bill insert, direct mailing, email, or bill message directing the customer to additional information on Cal Water's website.
- 3. **STAGE 1 WATER SHORTAGE:** A Stage 1 Water Shortage occurs when Cal Water, the Commission, a wholesale water supplier, or other authorized government agency determines that measures are needed to reduce water consumption by customers served by public water suppliers. In addition to the prohibitions outlined in **Section E**, the following restrictions may be imposed by Cal Water, except where necessary to address an immediate health or safety need or to comply with a term or condition in a permit issued by a state or federal agency:
 - a. Outdoor Irrigation Restrictions (Stage 1)
 - i. Irrigating ornamental landscapes with potable water is limited to no more than **three (3) days** per week, on a schedule established and posted by Cal Water on its website or otherwise provided to customers by bill message, bill insert, direct mail, or email, or as follows:
 - 1. Customers with even-numbered addresses may irrigate on Saturdays, Tuesdays, and Thursdays.
 - 2. Customers with odd-numbered addresses may irrigate on Sundays, Wednesdays, and Fridays.
 - 3. Customers without a street address may irrigate on Saturdays, Tuesdays, and Thursdays.
 - 4. Notwithstanding the foregoing restrictions, irrigation of special landscape areas or commercial nurseries may occur as needed, provided that the customer who wishes to irrigate a special landscape area or commercial nursery presents Cal Water with a plan to achieve water use reductions commensurate with those that would be achieved by complying with foregoing restrictions.
 - 5. Notwithstanding the foregoing restrictions, when a city, county, or other local public agency in one of Cal Water's service areas duly adopts restrictions on the number of days or hours of the day that customers may irrigate which are different than those adopted by Cal Water, Cal Water may enforce the city, county, or other local public agency's restrictions.
 - ii. Irrigating ornamental landscape with potable water is prohibited during the hours between **8:00 a.m. and 6:00 p.m.**
 - iii. The foregoing restrictions do **not** apply to:
 - 1. Landscape irrigation zones that exclusively use drip irrigation systems and/or micro spray irrigation system;

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WATER SHORTAGE CONTINGENCY PLAN (continued)

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F. MANDATORY STAGED RESTRICTIONS OF WATER USE (Continued)

[Stage 1 (cont.)]

- 2. Irrigating ornamental landscapes with the use of a hand-held bucket or similar container, with a continuously monitored hose which is fitted with an automatic shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use or monitored, or for the express purpose of adjusting or repairing an irrigation system.
- b. **Obligation to Fix Leaks, Breaks or Malfunctions:** All leaks, breaks, or other malfunctions in the customer's plumbing fixture(s) or irrigation system(s) must be repaired within **five (5) business days** of written notification by Cal Water, unless other arrangements are made with Cal Water.
- c. **Prohibited Uses of Water:** Customers are prohibited from using potable water for the following actions:
 - i. The application of potable water to driveways and sidewalks;
 - ii. The use of potable water in a water feature, except where the water is part of a recirculating system;
 - iii. The application of potable water to outdoor landscapes during and within forty-eight (48) hours after measurable rainfall.
- d. Other duly adopted restrictions on the use potable water as prescribed from time to time by the Commission or other authorized government agencies are incorporated herein by reference.
- 4. **STAGE 2 WATER SHORTAGE:** A Stage 2 Water Shortage occurs when the Stage 1 Water Shortage restrictions are deemed insufficient to achieve identified water use goals established by Cal Water, the Commission, a wholesale water supplier, or other authorized government agency. In addition to the prohibited wasteful water use practices listed in Section D, the following restrictions may be imposed by Cal Water, except where necessary to address an immediate health or safety need or to comply with a term or condition in a permit issued by a state or federal agency. Differences from or additions to the previous Stage are underlined.
 - a. **Outdoor Irrigation Restrictions (Stage 2)**
 - i. Irrigating ornamental landscapes with potable water is limited to no more than **three (3) days** per week, on a schedule established and posted by Cal Water on its website or otherwise provided to customers by bill message, bill insert, direct mail, or email, or as follows:
 - 1. Customers with even-numbered addresses may irrigate on Saturdays, Tuesdays, and Thursdays.
 - 2. Customers with odd-numbered addresses may irrigate on Sundays, Wednesdays, and Fridays.

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WATER SHORTAGE CONTINGENCY PLAN (continued)

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F. MANDATORY STAGED RESTRICTIONS OF WATER USE (Continued)

[Stage 2 (cont.)]

3. Customers without a street address may irrigate on Saturdays, Tuesdays, and Thursdays.
 4. Notwithstanding the foregoing restrictions, irrigation of special landscape areas or commercial nurseries may occur as needed, provided that the customer who wishes to irrigate a special landscape area or commercial nursery presents Cal Water with a plan to achieve water use reductions commensurate with those that would be achieved by complying with foregoing restrictions.
 5. Notwithstanding the foregoing restrictions, when a city, county, or other public agency in one of Cal Water's service areas duly adopts restrictions on the number of days or hours of the day that customers may irrigate which are different than those adopted by Cal Water, Cal Water may enforce the city, county, or other local public agency's restrictions.
- ii. Irrigating ornamental landscape with potable water is prohibited during the hours between **8:00 a.m. and 6:00 p.m.**
- iii. The foregoing restrictions do **not** apply to:
1. Landscape irrigation zones that exclusively use drip irrigation systems and/or micro spray irrigation system;
 2. Irrigating ornamental landscapes with the use of a hand-held bucket or similar container, a continuously monitored hose which is fitted with an automatic shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use or monitored, or for the express purpose of adjusting or repairing an irrigation system.
- b. **Obligation to Fix Leaks, Breaks or Malfunctions:** All leaks, breaks, or other malfunctions in the customer's plumbing fixture(s) or irrigation system(s) must be repaired within **three (3) business days** of written notification by Cal Water, unless other arrangements are made with Cal Water.
- c. **Prohibited Uses of Water:** Customers are prohibited from using potable water for the following actions:
- i. The application of potable water to driveways and sidewalks;
 - ii. The use of potable water in a water feature, except where the water is part of a recirculating system;
 - iii. The application of potable water to outdoor landscapes during and within forty-eight (48) hours after measurable rainfall;
 - iv. The serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served and/or purchased;

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WATER SHORTAGE CONTINGENCY PLAN (continued)

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F. MANDATORY STAGED RESTRICTIONS OF WATER USE (Continued)

[Stage 2 (cont.)]

- v. Irrigation of ornamental landscape on public street medians;
 - vi. Irrigation outside of newly constructed homes and buildings with potable water in a manner inconsistent with regulations or other requirements established by the California Building Standards Commission and the Department of Housing and Community Development.
 - d. Operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. The hotel or motel shall prominently display notice of this option in each guest room using clear and easily understood language.
 - e. Limits on Filling Ornamental Lakes or Ponds: Filling or re-filling ornamental lakes or ponds with potable water is prohibited, except to the extent needed to sustain aquatic life, provided that such animals are of significant value and have been actively managed within the water feature prior to the implementation of any staged mandatory restrictions of water use as described in this Rule.
 - f. Other duly adopted restrictions on the use of potable water as prescribed from time to time by the Commission or other authorized government agencies are incorporated herein by reference.
5. STAGE 3 WATER SHORTAGE: A Stage 3 Water Shortage occurs when the Stage 2 Water Shortage restrictions are deemed insufficient to achieve identified water use goals established by Cal Water, the Commission, a wholesale water supplier, or other authorized government agency. In addition to the prohibited wasteful water use practices listed in Section D, the following restrictions may be imposed by Cal Water, except where necessary to address an immediate health or safety need or to comply with a term or condition in a permit issued by a state or federal agency. Differences from or additions to the previous Stages are underlined.

a. Outdoor Irrigation Restrictions

- i. Irrigating ornamental landscapes with potable water is limited to no more than **two (2) days** per week, on a schedule established and posted by Cal Water on its website or otherwise provided to customers by bill message, bill insert, direct mail, or email, or as follows:
 1. Customers with even-numbered addresses may irrigate on Saturdays and Tuesdays (previous Stages allowed Thursdays as well).
 2. Customers with odd-numbered addresses may irrigate on Sundays and Wednesdays (previous Stages allowed Fridays as well).
 3. Customers without a street address may irrigate on Saturdays and Tuesdays (previous Stages allowed Thursdays as well).

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WATER SHORTAGE CONTINGENCY PLAN (continued)

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F. MANDATORY STAGED RESTRICTIONS OF WATER USE (Continued)

[Stage 3 (cont.)]

- 4. Notwithstanding the foregoing restrictions, irrigation of special landscape areas or commercial nurseries may occur as needed, provided that the customer who wishes to irrigate a special landscape area or commercial nursery presents Cal Water with a plan to achieve water use reductions commensurate with those that would be achieved by complying with foregoing restrictions.
- 5. Notwithstanding the foregoing restrictions, when a city, county, or other local public agency in one of Cal Water's service areas duly adopts restrictions on the number of days or hours of the day that customers may irrigate which are different than those adopted by Cal Water, Cal Water may enforce the city, county, or other local public agency's restrictions.
- ii. Irrigating ornamental landscape with potable water is prohibited during the hours between **8:00 a.m. and 6:00 p.m.**
- iii. The foregoing restrictions do **not** apply to:
 - 1. Landscape irrigation zones that exclusively use drip irrigation systems and/or micro spray irrigation system;
 - 2. Irrigating ornamental landscapes with the use of a hand-held bucket or similar container, a continuously monitored hose which is fitted with an automatic shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use or monitored, or for the express purpose of adjusting or repairing an irrigation system.
- b. **Obligation to Fix Leaks, Breaks or Malfunctions:** All leaks, breaks, or other malfunctions in the customer's plumbing fixtures and/or irrigation system must be repaired within **two (2) business days** of written notification by Cal Water, unless other arrangements are made with Cal Water.
- c. **Prohibited Uses of Water:** Customers are prohibited from using potable water for the following actions:
 - i. The application of potable water to driveways and sidewalks;
 - ii. The use of potable water in a water feature, except where the water is part of a recirculating system;
 - iii. The application of potable water to outdoor landscapes during and within forty-eight (48) hours after measurable rainfall;
 - iv. The serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served and/or purchased;
 - v. Irrigation of ornamental turf on public street medians;
 - vi. Irrigation outside of newly constructed homes and buildings with potable water in a manner inconsistent with regulations or other requirements established by the California Building Standards Commission and the Department of Housing and Community Development.
 - vii. Use of potable water for street cleaning with trucks, except for initial wash-down for construction purposes (if street sweeping is not feasible);

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WATER SHORTAGE CONTINGENCY PLAN (continued)

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F. MANDATORY STAGED RESTRICTIONS OF WATER USE (Continued)

[Stage 3 (cont.)]

- viii. Use of potable water for construction purposes, such as consolidation of backfill, dust control, or other uses unless no other source of water or other method can be used.
 - d. Operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. The hotel or motel shall prominently display notice of this option in each guest room using clear and easily understood language.
 - e. Limits on Filling Ornamental Lakes or Ponds: Filling or re-filling ornamental lakes or ponds with potable water is prohibited, except to the extent needed to sustain aquatic life, provided that such animals are of significant value and have been actively managed within the water feature prior to the implementation of any staged mandatory restrictions of water use as described in this Rule.
 - f. Other duly adopted restrictions on the use of potable water as prescribed from time to time by the Commission or other authorized government agencies are incorporated herein by reference.
6. STAGE 4 WATER SHORTAGE: A Stage 4 Water Shortage occurs when the Stage 3 Water Shortage restrictions are deemed insufficient to achieve identified water use goals established by Cal Water, the Commission, a wholesale water supplier, or other authorized government agency. In addition to the prohibited wasteful water use practices listed in Section D, the following restrictions may be imposed by Cal Water, except where necessary to address an immediate health or safety need or to comply with a term or condition in a permit issued by a state or federal agency. Differences from or additions to the previous Stage are underlined.
- a. Irrigating ornamental landscape with potable water is prohibited, except when a hand-held bucket or a similar container, or a continuously monitored hose which is fitted with an automatic shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use or monitored is used to maintain vegetation, including trees and shrubs.
 - b. Obligation to Fix Leaks, Breaks or Malfunctions: All leaks, breaks, or other malfunctions in the customer's plumbing fixtures or irrigation system must be repaired within **one (1) business day** of written notification by Cal Water, unless other arrangements are made with Cal Water.

Prohibited Uses of Water: Customers are prohibited from using potable water for the following actions:

- i. The application of potable water to driveways and sidewalks;
- ii. The use of potable water in a water feature, except where the water is part of a recirculating system;
- iii. The application of potable water to outdoor landscapes during and within forty-eight (48) hours after measurable rainfall;

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WATER SHORTAGE CONTINGENCY PLAN (continued)

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F. MANDATORY STAGED RESTRICTIONS OF WATER USE (Continued)

[Stage 4 (cont.)]

iv. The serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served and/or purchased;

[Note that items previously identified as (v) and (vi) in Stage 3 have been eliminated.]

v. Use of potable water for street cleaning with trucks (the previous Stage allowed certain exceptions);

vi. Use of potable water for construction purposes, such as consolidation of backfill, dust control, or other uses (the previous Stage allowed certain exceptions).

c. Operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. The hotel or motel shall prominently display notice of this option in each guest room using clear and easily understood language.

d. Limits on Filling Ornamental Lakes or Ponds: Filling or re-filling ornamental lakes or ponds with potable water is prohibited, except to the extent needed to sustain aquatic life, provided that such animals are of significant value and have been actively managed within the water feature prior to the implementation of any staged mandatory restrictions of water use as described in this Rule.

f. Other duly adopted restrictions on the use of utility-supplied potable water as prescribed from time to time by the Commission or other authorized government agencies, commissions, or officials are incorporated herein by reference.

G. ADOPTION OF STAGED MANDATORY WATER USE REDUCTIONS (for Schedule 14.1)

1. ADDITION OF SCHEDULE 14.1: If, in the opinion of Cal Water, more stringent water conservation measures are required due to supply conditions or government directive, Cal Water may request the addition of a Schedule No. 14.1 – Staged Mandatory Water Use Reductions, via a Tier 2 advice letter.

A. Cal Water may not activate Schedule No. 14.1 until it has been authorized to do so by the California Public Utilities Commission, as delegated to its Division of Water and Audits.

B. A Schedule No. 14.1 that has been authorized by the California Public Utilities Commission shall remain dormant until triggered by specific conditions detailed in the Schedule 14.1 tariff and Cal Water has requested and received authorization for activating a stage by the California Public Utilities Commission.

(N)

(continued)

(To be inserted by utility)
Advice Letter No. 2167-A
Decision No. -

Issued by
PAUL G. TOWNSLEY
NAME
Vice President
TITLE

(To be inserted by Cal. P.U.C.)
Date Filed _____
Effective _____
Resolution No. _____

This tariff has been approved by the
California Public Utilities Commission.

New

Canceling

Cal. P.U.C. Sheet No. _____
Cal. P.U.C. Sheet No. _____

Rule No. 14.1

(N)

WATER SHORTAGE CONTINGENCY PLAN (continued)

(Page 12)

G. ADOPTION OF STAGED MANDATORY WATER USE REDUCTIONS (for Schedule 14.1) (continued)

- c. Notice of the Tier 2 advice letter and associated public participation hearing, if required, shall be provided to customers through a bill insert or a direct mailing, as set forth in Subsection 5 (Public Notice) below.
- d. Cal Water shall comply with all requirements of Sections 350-358 of the California Water Code.
- e. The Tier 2 advice letter requesting the addition of a Schedule No. 14.1 shall include, but not be limited to:
 - i. A proposed Schedule No. 14.1 tariff, which shall include but not be limited to:
 - 1. Applicability,
 - 2. Territory applicable to,
 - 3. A detailed description of each stage of water budgets (the number of stages requested for a ratemaking area may vary depending on the specifics of the water shortage event),
 - 4. A detailed description of the trigger(s) that activates each stage of water budgets,
 - 5. A detailed description of each water use restriction for each stage of water budgets,
 - 6. Water use violation levels, written warning levels, associated fines, if applicable, and exception procedures,
 - 7. Conditions for installation of a flow restrictor,
 - 8. Charges for removal of flow restrictors, and
 - 9. Special conditions
 - ii. Justification for, and documentation and calculations in support of the water budgets.

2. Conditions for Activating Schedule No. 14.1: Cal Water may file a Tier 1 advice letter to request activation of a particular stage of its Schedule No. 14.1 tariff if:

- a. Cal Water, the California Public Utilities Commission, wholesale water supplier, or other government agency declares an emergency requiring mandatory water budgets, mandatory water rationing, or mandatory water allocations; or
- b. A government agency declares a state of emergency in response to severe drought conditions, earthquake or other catastrophic event that severely reduces Cal Water's water supply; or
- c. Cal Water is unable to achieve water conservation targets set by itself; or
- d. Water conservation targets set by itself or a governing agency are insufficient; or
- e. Cal Water chooses to subsequently activate a different stage of its Schedule No. 14.1 tariff.

(continued)

(To be inserted by utility)

Advice Letter No. 2167-A

Decision No. -

Issued by

PAUL G. TOWNSLEY
NAME

Vice President
TITLE

(To be inserted by Cal. P.U.C.)

Date Filed _____

Effective _____

Resolution No. _____

This tariff has been approved by the
California Public Utilities Commission.

 New
Canceling

Cal. P.U.C. Sheet No. _____
Cal. P.U.C. Sheet No. _____

Rule No. 14.1

(N)

WATER SHORTAGE CONTINGENCY PLAN (continued)

(Page 13)

G. ADOPTION OF STAGED MANDATORY WATER USE REDUCTIONS (for Schedule 14.1) (continued)

- a. Include, but not be limited to, a justification for activating the particular stage of mandatory water use reductions, as well as the period during which the particular stage will be in effect.
 - b. Be accompanied by the customer notification measures detailed in sub-section 5 (Public Notice) below.
4. De-Activating Schedule No. 14.1: When Schedule No. 14.1 is activated and Cal Water determines that water supplies are again sufficient to meet normal demands, and mandatory water use reductions are no longer necessary, Cal Water shall seek the approval of the California Public Utilities Commission, via a Tier 1 advice letter, to deactivate the particular stage of mandatory water use reductions that had been authorized.
5. Public Notice
- a. When Cal Water requests the addition of a Schedule 14.1 – Staged Mandatory Water Use Reductions Tariff, via a Tier 2 advice letter, it shall provide notice of the Tier 2 advice letter and associated public hearing provided to customers through bill inserts or direct mailing, and it shall comply with all requirements of Sections 350-358 of the California Water Code (CWC), including but not limited to the following:
 - i. In order to be in compliance with both the General Order 96-B and CWC, notice shall be provided via both newspaper and bill insert/direct mailing.
 - ii. One notice shall be provided for each advice letter filed, that includes both notice of the filing of the Tier 2 advice letter as well as the details of the public hearing (date, time, place, etc.).
 - iii. The public meeting shall be held after the Tier 2 advice letter is filed, and before the Commission authorizes the addition of Schedule 14.1 to the tariff except in cases of emergency water shortages approved by DWA.
 - iv. Cal Water shall consult with Division of Water and Audits staff prior to filing advice letter, in order to determine details of public meeting.
 - b. In the event that Schedule No. 14.1- Staged Mandatory Water Use Reductions Tariff is triggered, and Cal Water requests activation through the filing of a Tier 1 advice letter, Cal Water shall notify its customers and provide each customer with a summary of Schedule No. 14.1 by means of bill insert or direct mailing. Notification shall take place prior to imposing any penalties associated with this plan. If activation of Schedule No. 14.1 occurs one year or more since the public hearing associated with adding Schedule 14.1 to its tariffs, then Cal Water shall conduct a public hearing pursuant to California Water Code Section 351 prior to activating a stage of its Mandatory Water Use Reduction Tariff.
 - c. During the period that a stage of Schedule No. 14.1 is activated, Cal Water shall provide customers with updates in at least every other bill, regarding its water supply status and the results of customers' conservation efforts.

(N)

[end]

(To be inserted by utility)
Advice Letter No. 2167-A
Decision No. -

Issued by
PAUL G. TOWNSLEY
NAME
Vice President
TITLE

(To be inserted by Cal. P.U.C.)
Date Filed _____
Effective _____
Resolution No. _____



May 27, 2015

Advice Letter No. 2168-A

CALIFORNIA WATER SERVICE COMPANY (U 60 W)

To The Public Utilities Commission of the State of California:

California Water Service Company (“Cal Water”) hereby transmits for filing the following changes in its tariffs:

New/Revised C.P.U.C. Sheet No.	Title of Sheet	Schedule No.	Cancelling C.P.U.C. Sheet No.
xxxxx-W	Schedule No. 14.1 (Pages 1 – 14)	Not Applicable	xxxxx-W
xxxxx-W	Table of Contents (Page 1)	Not Applicable	xxxxx-W
xxxxx-W	Table of Contents (Page2)	Not Applicable	xxxxx-W

Summary

Via this Tier 2 advice letter, Cal Water requests Commission approval to add Schedule 14.1, which contains the Staged Mandatory Reductions and Drought Surcharges associated with its Water Shortage Contingency Plan. This filing is consistent with Resolution W-5034, adopted by the Commission on April 9, 2015, ordering compliance with requirements of the State Water Resources Control Board. Cal Water requests an effective date of **June 1, 2015**.

This supplement to AL 2168 makes several changes to the language in the originally-proposed Schedule 14.1, some of which correct typographical and formatting errors, and some of which are substantive, as discussed below.

Background

The Division of Water and Audits, with input from interested parties, substantially modified the sample Rule 14.1 originally provided in the July 2007 SP U-40 document. The result – “Example Rule 14.1” – is now contained in the Drought Procedures adopted in Res. W-4976.



CALIFORNIA WATER SERVICE COMPANY

Advice Letter 2168-A – Addition of Schedule 14.1 – Drought Surcharges

Page 2

In Advice Letter 1881, Cal Water sought, and the Commission approved, a proposed Rule 14.1 that was based upon the sample Rule 14.1 in Standard Practice U-40-W (“SP U-40”), dated July 2007. Cal Water’s Rule 14.1 became effective on September 15, 2008.

On February 27, 2014, the Commission adopted Drought Procedures in Resolution No. (“Res.”) W-4976. Appendix B to those Drought Procedures contains an “Example of Rule 14.1” that modifies the sample Rule 14.1 in the July 2007 version of SP U-40. For Class A and B water companies like Cal Water that have an existing Rule 14.1, Ordering Paragraph (“OP”) 2 of Res. W-4976 requires the submission of a letter notifying the Division of Water & Audits (“DWA”) that the companies are activating their Tariff Rule 14.1 to call for a 20% voluntary reduction in water use. Cal Water submitted that notification to DWA on March 28, 2014.

Discussion

In Resolution W-5034, the Commission articulated the steps that its regulated water utilities should take to comply with the mandatory use restrictions and penalties for violations established by the State Water Resources Control Board (“Water Board”). As required by that resolution, Cal Water submits the attached proposed Schedule 14.1.

In addition, Cal Water has been holding the public hearings required by California Water Code Sections 350 *et seq.* as follows:

District/Service Area	In May	Time	Location
Los Altos	11 Mon	6 p.m.	Covington School 201 Covington Road, Los Altos, CA 94024
East Los Angeles	12 Tues	5:30 p.m.	City building TBD
Dominguez (Rancho Dominguez)	12 Tues	6 p.m.	Customer Center 2632 West 237th St., Torrance, CA 90505
Lucerne (Redwood Valley District)	12 Tues	6 p.m.	Lucerne Elementary School 3351 Country Club Drive, Lucerne, CA 95458
Palos Verdes (Rancho Dominguez)	13 Wed	6 p.m.	Customer Center 2632 West 237th St., Torrance, CA 90505
Guerneville (Redwood Valley District)	13 Wed	6 p.m.	Guerneville Elementary School 14630 Armstrong Woods Road, Guerneville, 95446
Visalia	13 Wed	6 p.m.	Visalia Marriott 300 South Court St., Visalia, CA 93291
Oroville	14 Thurs	5:30 p.m.	Customer Center 1905 High Street, Oroville, CA 95965



CALIFORNIA WATER SERVICE COMPANY

Advice Letter 2168-A – Addition of Schedule 14.1 – Drought Surcharges

Page 3

District/Service Area	In May	Time	Location
Dixon	14 Thurs	6:45 p.m.	Dixon Senior/Multi-Use Center 201 South Fifth St., Dixon, CA 95620
Selma	14 Thurs	6 p.m.	Selma City Hall 1710 Tucker St., Selma, CA 93662
Salinas	18 Mon	6 p.m.	Customer Center 254 Commission St., Salinas, CA 93901
Willows	18 Mon	6 p.m.	Willows City Hall
South San Francisco (Bayshore District)	19 Tues	6 p.m.	City of SSF Orange Park – Joseph A. Fernekes Bldg 781 Tennis Drive, South San Francisco, CA 94080
Bear Gulch	19 Tues	6 p.m.	Las Lomitas Elementay School - Cano Hall
Mid-Peninsula (Bayshore District)	20 Wed	5:30 p.m.	Customer Center 341 N. Delaware St., San Mateo, CA 94401
Livermore	20 Wed	6 p.m.	Livermore City Council Chambers 3575 Pacific Ave., Livermore, CA 94550
Westlake	20 Wed	6 p.m.	Evanstar Clubhouse 1040 Evanstar, XXXX
Hermosa-Redondo (Rancho Dominguez)	21 Thurs	6 p.m.	Customer Center 2632 West 237th St., Torrance, CA 90505
King City	21 Thurs	6 p.m.	City Hall Council Chambers 212 S. Vanderhurst Ave., King City, 93930
Bakersfield	21 Thurs	6 p.m.	Operations Center 3725 South H St., Bakersfield, CA 93304
Antelope Valley	26 Tues	6 p.m.	Leona Valley Community Building 8367 Elizabeth Lake Road, Leona Valley, CA 93551
Marysville	27 Wed	5:30 p.m.	Customer Center 131 D Street, Marysville, CA 95901
Chico	27 Wed	6 p.m.	City Council Chambers 95927 421 Main St., Chico, CA
Stockton	28 Thurs	5:30 p.m.	Operations Center 1602 E. Lafayette St., Stockton, CA 95205
Kern River Valley	28 Thurs	6 p.m.	Moose Lodge 6732 Lake Isabella Blvd., Lake Isabella, 93240

This supplement corrects several typographical and formatting errors. In addition, in response to concerns expressed by customers, this supplement makes the following substantive changes to the Schedule 14.1 originally proposed in AL 2168, changes that are mirrored in the supplement to AL 2167 also being submitted today:



- Adding a definition for “ornamental lawns” and modifying related water use restrictions.
- Eliminating the water use prohibition on the filling and re-filling of single-family, residential swimming pools.
- Modifying the advice letter to activate stages from Tier 1 to Tier 2.
- Adding specific details relating to the appeals procedures, banking procedures, water budgets, and drought surcharges.

Tier Designation

Pursuant to Resolutions W-4976 and W-5034, Cal Water submits this as a Tier 2 advice letter.

Requested Effective Date

Cal Water requests that this advice letter become effective on **June 1, 2015**.

Notice

Customer Notice – Cal Water is providing customer notice of this Tier 2 filing via a bill message, a bill insert, or separate mailing.

Service Lists – In accordance with General Order 96-B, General Rule 4.3 and 7.2 and Water Industry Rule 4.1, a copy of this **supplement** will be mailed or electronically transmitted on **May 27, 2015**, to competing and adjacent utilities and other utilities or interested parties having requested such notification.

Response or Protest

Anyone may respond to or protest this advice letter. A response supports the filing and may contain information that proves useful to the Commission in evaluating the advice letter. A protest objects to the advice letter in whole or in part and must set forth the specific grounds on which it is based. These grounds are:

- (1) The utility did not properly serve or give notice of the advice letter;
- (2) The relief requested in the advice letter would violate statute or Commission order, or is not authorized by statute or Commission order on which the utility relies;
- (3) The analysis, calculations, or data in the advice letter contain material error or omissions;
- (4) The relief requested in the advice letter is pending before the Commission in a formal proceeding; or



- (5) The relief requested in the advice letter requires consideration in a formal hearing, or is otherwise inappropriate for the advice letter process; or
- (6) The relief requested in the advice letter is unjust, unreasonable, or discriminatory (provided that such a protest may not be made where it would require relitigating a prior order of the Commission.)

A protest shall provide citations or proofs where available to allow staff to properly consider the protest. A response or protest must be made in writing or by electronic mail and must be received by the Division of Water and Audits within 20 days of the date this advice letter is filed. The advice letter process does not provide for any responses, protests or comments, except for the utility's reply, after the 20-day comment period. The address for mailing or delivering a protest is:

Tariff Unit, Division of Water and Audits, 3rd floor
California Public Utilities Commission,
505 Van Ness Avenue, San Francisco, CA 94102
water_division@cpuc.ca.gov

On the same date the response or protest is submitted to the Division of Water and Audits, the respondent or protestant shall send a copy by mail (or e-mail) to us, addressed to:

Darin Duncan
California Water Service Company
1720 North First Street,
San Jose, California 95112
Fax 408/367-8430 or
E-mail dduncan@calwater.com

Cities and counties that need Board of Supervisors or Board of Commissioners approval to protest should inform the Division of Water and Audits, within the 20-day protest period, so that a late filed protest can be entertained. The informing document should include an estimate of the date the proposed protest might be voted on.

Replies

The utility shall reply to each protest and may reply to any response. Each reply must be received by the Division of Water and Audits within 5 business days after the end of the protest period, and shall be served on the same day to the person who filed the protest or response. If you have not received a reply to your protest within 10 business days, contact California Water Service Company at 408/367-8200.



CALIFORNIA WATER SERVICE COMPANY

Advice Letter 2168-A – Addition of Schedule 14.1 – Drought Surcharges

Page 6

_____/s/
Natalie D. Wales
Regulatory Counsel

Enclosures

cc: Ting-Pong Yuen, ORA

CALIFORNIA PUBLIC UTILITIES COMMISSION DIVISION OF WATER AND AUDITS Advice Letter Cover Sheet				(Date Filed / Received Stamp by CPUC)	
AL #2168- A	Date Mailed to Service List: May 27, 2015	Requested Effective Date: June 1, 2015		Requested Tier: <input type="checkbox"/> Tier 1 <input checked="" type="checkbox"/> Tier 2 <input type="checkbox"/> Tier 3	
Replacing AL#: #2168	Authorized by: Resolutions W-4976 and W-5034	Compliance Filing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Rate Impact	\$	None
				%	None
<u>The public has 20 days from Date Mailed (above) to protest this advice letter. If you chose to protest or respond to the advice letter, send Protest and/or Correspondence within 20 days to:</u>				Director Division of Water and Audits 505 Van Ness Ave. San Francisco, CA 94102	
<u>and if you have email capability, also email to:</u>				water_division@cpuc.ca.gov	
<u>Your protest also must be served on the Utility</u>			(see attached advice letter for more information and grounds for protest)		
Company Name: California Water Service Company				CPUC Utility	
Address: 1720 North First Street				Number:	
City, State, Zip: San Jose, CA 95112				WTA U-60-W	
Contact Name:		Phone No.	Fax No.	Email Address:	
r	NATALIE WALES	408-367-8566	408-367-8340	nwales@calwater.com	
ate	DARIN DUNCAN	408-367-8227	408-367-8340	dduncan@calwater.com	
Description: In this space or on the back of this form: 1. Explain justification for requested Tier – Res. W-4976 and W-5034 2. Describe service affected and how it is affected – Drought surcharges and penalties 3. Describe differences from related Advice Letters (Similar service, replacement filing) – replacement for AL 2168					
(FOR CPUC USE ONLY)					
WTS Budget/Activity/Type _____/_____/_____			Process as: <input type="checkbox"/> Tier 1 <input type="checkbox"/> Tier 2 <input type="checkbox"/> Tier 3		
Project Manager:			20th Day		30th Day
Analyst:			Suspended on:		
Due Date:			Extended on:		
Completion Date:			Resolution No.:		
			AL/Tariff Effective Date:		

Appendix 1 - Tariff Sheet Changes in Advice Letter 2168-A

New/Revised C.P.U.C. Sheet No.	Title of Sheet	Schedule No.	Cancelling C.P.U.C. Sheet No.
xxxxx -W	Table of Contents (Page 1)	Not Applicable	10620 -W
xxxxx -W	Table of Contents (Page 2)	Not Applicable	10610 -W
xxxxx -W	Schedule 14.1 - Drought Surcharges (Page 1 of 12)	14.1 (Page 1)	- -W
xxxxx -W	Schedule 14.1 - Drought Surcharges (Page 2 of 12)	14.1 (Page 2)	- -W
xxxxx -W	Schedule 14.1 - Drought Surcharges (Page 3 of 12)	14.1 (Page 3)	- -W
xxxxx -W	Schedule 14.1 - Drought Surcharges (Page 4 of 12)	14.1 (Page 4)	- -W
xxxxx -W	Schedule 14.1 - Drought Surcharges (Page 5 of 12)	14.1 (Page 5)	- -W
xxxxx -W	Schedule 14.1 - Drought Surcharges (Page 6 of 12)	14.1 (Page 6)	- -W
xxxxx -W	Schedule 14.1 - Drought Surcharges (Page 7 of 12)	14.1 (Page 7)	- -W
xxxxx -W	Schedule 14.1 - Drought Surcharges (Page 8 of 12)	14.1 (Page 8)	- -W
xxxxx -W	Schedule 14.1 - Drought Surcharges (Page 9 of 12)	14.1 (Page 9)	- -W
xxxxx -W	Schedule 14.1 - Drought Surcharges (Page 10 of 12)	14.1 (Page 10)	- -W
xxxxx -W	Schedule 14.1 - Drought Surcharges (Page 11 of 12)	14.1 (Page 11)	- -W
xxxxx -W	Schedule 14.1 - Drought Surcharges (Page 12 of 12)	14.1 (Page 12)	- -W

Table of Contents (Page 1 of 8)

The following listed tariff sheets contain all effective rates and rules affecting the rates and service of the Utility together with information relating thereto:

<u>Sheet Subject Matter</u>	<u>Cal. P.U.C. Sheet No.</u>
Title Page	5613-W
Table of Contentsxxxxx-xxxxx-10626-10608-xxxxx-10197-10452-10212-2926-W (C)
Preliminary Statement A	9240-8212-W
Preliminary Statement B-D610-W
Preliminary Statement F.....	.8312-W
Preliminary Statement H.....	.6686-W
Preliminary Statement J2.....	10438-W
Preliminary Statement K.....	7313-W
Preliminary Statement M	7345-8372-10605-10374-10604-10488-10603-10480-10601-W
Preliminary Statement M	10481-10408-10602-10489-10600-10409-10599-10482-10598-W
Preliminary Statement M	10597-10596-10391-10595-10594-10483-10395-10593-10397-W
Preliminary Statement P.....	7446-W
Preliminary Statement Q.....	10043-W
Preliminary Statement S.....	.8013-W
Preliminary Statement T.....	.8017-W
Preliminary Statement U.....	.8446-W
Preliminary Statement V.....	.8154-W
Preliminary Statement W.....	.8156-W
Preliminary Statement X.....	.8314-W
Preliminary Statement Z1.....	10439-W
Preliminary Statement Z2.....	10440-W
Preliminary Statement AA1.....	10441-W
Preliminary Statement AA2.....	10442-W
Preliminary Statement AB2.....	10443-W
Preliminary Statement AC.....	.8637-W
Preliminary Statement AD.....	10451-W
Preliminary Statement AE.....	10444-W,10445-W
Preliminary Statement AF.....	.9025-W
Preliminary Statement AG.....	.9032-W
Preliminary Statement AI.....	10221-W
Preliminary Statement AJ.....	.9671-W
Preliminary Statement AK.....	10101-W
Preliminary Statement AL.....	10208-W
Preliminary Statement AM.....	10446-W
Preliminary Statement AN.....	10447-W
Preliminary Statement AO.....	10448-W
Preliminary Statement AP.....	10449-W
Preliminary Statement AQ.....	10450-W
Preliminary Statement AR.....	10447-W

(continued)

(To be inserted by utility)
 Advice Letter No. 2168-A
 Decision No. -

Issued by
PAUL G. TOWNSLEY
NAME
Vice President
TITLE

(To be inserted by Cal. P.U.C.)
 Date Filed
 Effective
 Resolution No.

Table of Contents (Page 2 of 8)
 (continued)

<u>Sheet Subject Matter</u>	<u>Service Area</u>	<u>Schedule Number</u>	<u>Cal. P.U.C. Sheet No.</u>
<u>RATE SCHEDULES:</u>			
<u>ALL DISTRICTS</u>			
Service to Company Employees		ED-1	5168-W
Rate Support Fund		RSF	10369-W
Low Income Ratepayer Assistance (Page 1 of 3)		LIRA	10370-W
Low Income Ratepayer Assistance (Page 2 of 3)		LIRA	10371-W
Low Income Ratepayer Assistance (Page 3 of 3)		LIRA	10553-W
Schedule 14.1 - Staged Mand. Reductions and Drought Surcharges (Page 1 of 13)		14.1	xxxxx-W (N)
Schedule 14.1 - Staged Mand. Reductions and Drought Surcharges (Page 2 of 13)		14.1	xxxxx-W
Schedule 14.1 - Staged Mand. Reductions and Drought Surcharges (Page 3 of 13)		14.1	xxxxx-W
Schedule 14.1 - Staged Mand. Reductions and Drought Surcharges (Page 4 of 13)		14.1	xxxxx-W
Schedule 14.1 - Staged Mand. Reductions and Drought Surcharges (Page 5 of 13)		14.1	xxxxx-W
Schedule 14.1 - Staged Mand. Reductions and Drought Surcharges (Page 6 of 13)		14.1	xxxxx-W
Schedule 14.1 - Staged Mand. Reductions and Drought Surcharges (Page 7 of 13)		14.1	xxxxx-W
Schedule 14.1 - Staged Mand. Reductions and Drought Surcharges (Page 8 of 13)		14.1	xxxxx-W
Schedule 14.1 - Staged Mand. Reductions and Drought Surcharges (Page 9 of 13)		14.1	xxxxx-W
Schedule 14.1 - Staged Mand. Reductions and Drought Surcharges (Page 10 of 13)		14.1	xxxxx-W
Schedule 14.1 - Staged Mand. Reductions and Drought Surcharges (Page 11 of 13)		14.1	xxxxx-W
Schedule 14.1 - Staged Mand. Reductions and Drought Surcharges (Page 12 of 13)		14.1	xxxxx-W (N)
PBOP Surcharge		PB	7049-W
Additional Surcharges/Surcredits		AS	10199-W
Additional Surcharges/Surcredits Page 2		AS pg 2	10464-W
Additional Surcharges/Surcredits Page 3		AS pg 3	10554-W
Additional Surcharges/Surcredits Page 4		AS pg 4	10555-W
<u>ANTELOPE VALLEY DISTRICT</u>			
Residential Metered Service - Leona Valley Service Area		AV-LEO-1-R	10592-W
Nonresidential Metered Service - Leona Valley Service Area		AV-LEO-1-NR	10591-W
Residential Metered Service-Lancaster Service Area		AV-LAN-1-R	10590-W
Nonresidential Metered Service- Lancaster Service Area		AV-LAN-1-NR	10589-W
General Metered Service-Fremont Valley Lake Hughes Service Area		AV-FM-1	10588-W
Limited Residential Flat Rate Service-Lake Hughes Service Area		AV-LH-2R	6550-W
Private Fire Protection Service-All Antelope Valley Service Areas		AV-4	10266-W
<u>BAKERSFIELD DISTRICT</u>			
Residential Metered Service		BK-1-R	10267-W
Nonresidential Metered Service		BK-1-NR	10268-W
Residential Flat Rate Service		BK-2R	10269-W
Private Fire Protection Service		BK-4	10270-W
Public Fire Hydrant Service		BK-5	10271-W
<u>BAYSHORE DISTRICT</u>			
Residential Metered Service - South San Francisco Service Area		BAY-1-R	10587-W
Nonresidential Metered Service - South San Francisco Service Area		BAY-1-NR	10586-W
Private Fire Protection Service		BAY-4	10278-W
<u>BEAR GULCH DISTRICT</u>			
Residential Metered Service		BG-1-R	10484-W
Nonresidential Metered Service		BG-1-NR	10485-W
Private Fire Protection Service		BG-4	10281-W
Public Fire Hydrant Service		BG-5	9547-W
<u>CHICO - HAMILTON CITY DISTRICT</u>			
Residential Metered Service		CH-1-R	10585-W
Nonresidential Metered Service		CH-1-NR	10584-W
Private Fire Protection Service		CH-4	10285-W
<u>DIXON DISTRICT</u>			
Residential Metered Service		DX-1-R	10472-W
Nonresidential Metered Service		DX-1-NR	10473-W
		DX-4	10288-W

(continued)

Schedule No. 14.1

(N)

WATER SHORTAGE CONTINGENCY PLAN

WITH STAGED MANDATORY REDUCTIONS AND DROUGHT SURCHARGES

Page 1

A. APPLICABILITY

- 1. This schedule applies to all of California Water Service’s regulated ratemaking areas in California, as well as Grand Oaks Water.

B. GENERAL INFORMATION

- 1. All expenses incurred by utility to implement Rule 14.1, and Schedule 14.1, and requirements of the California State Water Resources Control Board (“Water Board”) that have not been considered in a General Rate Case or other proceeding shall be accumulated by Cal Water in a separate memorandum account, authorized in Resolution W-4976, for disposition as directed or authorized from time to time by the Commission.
- 2. All monies collected by Cal Water through waste of water penalties established in this schedule shall be recorded in the appropriate memorandum account and used to offset the expenses described in Section 1 above.
- 3. Except in the case of Grand Oaks, all monies collected by Cal Water through drought surcharges, as established by the Mandatory Water Budgets found in Schedule 14.1, shall be recorded in the appropriate Water Revenue Adjustment Mechanism (“WRAM”) account and used to offset under-collected revenues.
- 4. To the extent that any provision in this Schedule is inconsistent with Rule 14.1, the provisions of this Schedule apply.
- 5. A customer may request installation of a real-time water measurement device on the customer's service line. The cost of the device, including installation and ongoing operating costs, shall be billed to the customer, and nonpayment may result in discontinuance of service.
- 6. On April 1, 2015, the Governor of the State of California issued Executive Order B-29-15 due to severe drought conditions. The Executive Order, among other requirements, directs the State Water Resources Control Board (“Water Board”) to impose restrictions on urban water suppliers like Cal Water to achieve a statewide 25% reduction in potable urban usage, as compared with the amount used in 2013, through February 2016.
 - A. The restrictions must take into consideration the relative per capita water usage of each water supplier’s service area such that those with high per capital use are required to achieve proportionally greater reductions than those with less use.
 - B. Urban water suppliers must develop rate structures and other pricing mechanisms, such as surcharges and penalties, to achieve 25% water conservation.
- 7. On May 5, 2015, the Water Board issued an Emergency Regulation by Resolution No. 2015-0032 due to continuing drought conditions with specific water use reductions, by service area, and prohibitions on how end-use customers can use potable water. On May 7, 2015, the California Public Utilities Commission (“Commission”) issued Resolution W-5041 ordering compliance with the mandates of the Governor and the Water Board.

C. DEFINITIONS

For the purposes of this Schedule, the following terms have the meanings set forth in this section.
(These are the same as in Rule 14.1, unless otherwise specified.)

- 1. “Commercial nursery” means the use of land, buildings or structures for the growing and/or storing of flowers, fruit trees, ornamental trees, vegetable plants, shrubs, trees and similar vegetation for the purpose of transplanting, for use as stock or grafting, and includes the retail sale or wholesale distribution of such items directly from the premises/lot.

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WATER SHORTAGE CONTINGENCY PLAN

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C. DEFINITIONS (Continued)

2. "Drip irrigation system" means a non-spray, low-pressure, and low volume irrigation system utilizing emission devices with a precipitation or flow rate measured in gallons per hour (GPH), designed to slowly apply small volumes of water at or near the root zone of plants or other landscaping.
3. "Flow rate" means the rate at which water flows through pipes, valves, and emission devices, measured in gallons per minute (GPM), gallons per hour (GPH), inches per hour (IPH), hundred cubic feet (Ccf), or cubic feet per second (CFS).
4. "Flow-restricting device" means valves, orifices, or other devices that reduce the flow of potable water through a service line, which are capable of passing a minimum of 3 Ccf per person, per month, based upon the U.S. Census calculation of the average number of people in a household in the area.
5. "High-efficiency sprinkler systems" means an irrigation system with emission devices, such as sprinkler heads or nozzles, with a precipitation or flow rate no greater than one IPH.
6. "Irrigation" means the application of potable water by artificial means to landscape.
7. "Irrigation system" means the components of a system meant to apply water to an area for the purpose of irrigation, including, but not limited to, piping, fittings, sprinkler heads or nozzles, drip tubing, valves, and control wiring.
8. "Landscape" means all of the outdoor planting areas, turf areas, and water features at a particular location.
9. "Measureable rainfall" means any amount of precipitation of more than one-tenth of an inch (0.1").
10. "Micro spray irrigation system" means a low-pressure, low-volume irrigation system utilizing emission devices that spray, mist, sprinkle, or drip with a precipitation or flow rate measured in GPH, designed to slowly apply small volumes of water to a specific area.
11. "Ornamental landscape" means shrubs, bushes, flowers, ground cover, turf, lawns, and grass planted for the purpose of improving the aesthetic appearance of property, but does not include crops or other agricultural products or special landscape areas.
12. "Ornamental turf" means a ground cover surface of grass that can be mowed and is planted for the purpose of improving the aesthetic appearance of the property, but does not include crops or other agricultural products or special landscape areas.
13. "Plumbing fixture" means a receptacle or device that is connected to a water supply system, including, but not limited to, pipes, toilets, urinals, showerheads, faucets, washing machines, water heaters, tubs, and dishwashers.
14. "Potable water" means water supplied by Cal Water which conforms to the federal and state standards for human consumption.
15. "Properly programmed" means a smart irrigation controller that has been programmed according to the manufacturer's instructions and site-specific conditions.
16. "Real-time water measurement device" means a device or system that provides regularly updated electronic information regarding the customer's water use.
17. "Runoff" means water which is not absorbed by the soil or landscape to which it is applied and flows from the landscape onto other areas.
18. "Smart irrigation controller" means an automatic device used to remotely control valves that operate an irrigation system that has been tested by an American National Standards Institute accredited third-party certifying body or

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WATER SHORTAGE CONTINGENCY PLAN
WITH STAGED MANDATORY REDUCTIONS AND DROUGHT SURCHARGES (continued)

Page 3

C. DEFINITIONS (Continued)

laboratory in accordance with the Environmental Protection Agency’s WaterSense program (or an analogous successor program), and certified by such body or laboratory as meeting the performance and efficiency requirements of such program, or the more stringent performance and efficiency requirements of another similar program.

- 19. “Special landscape area” means an area of the landscape dedicated solely to edible plants and areas dedicated to active play such as parks, sports fields, golf courses, and where turf provides a playing surface.
- 20. “Turf” means a ground cover surface of grass that can be mowed.
- 21. “Water feature” means a design element where open, artificially supplied water performs an aesthetic or recreation feature, including, but not limited to, ponds, lakes, waterfalls, fountains, and streams.
- 22. “Water use evaluation” means an evaluation of the efficiency of indoor water-using devices, including, but not limited to, measurement of flow rates for all existing showerheads, faucets, and toilets, inspection for leaks, and providing written recommendations to improve the efficiency of the indoor water-using fixtures and devices and/or an evaluation of the performance of an irrigation system, including, but not limited to, inspection for leaks, reporting of overspray or runoff, and providing written recommendations to improve the performance of the irrigation system.

D. WASTE OF WATER PENALTIES

Each Stage of this Schedule establishes certain restrictions on the use of potable water. essential, wasteful use of potable water. Cal Water is authorized to take the following actions when its personnel verify a customer is using potable water for non-essential, wasteful uses. No person shall have any right or claim in law or in equity, against Cal Water because of, or as a result of, any matter or thing done or threatened to be done pursuant to the restrictions on using potable water for non-essential, wasteful uses.

Note: When a Stage in this Schedule has been activated, Section D in this Schedule supersedes Section D (Enforcement) in Rule 14.1.

- 1. **FIRST VIOLATION**: Cal Water shall provide the customer with a written notice of violation. In addition, Cal Water is authorized to take the following actions:
 - A. If the customer currently receives service through a metered connection, install a real-time water measurement device on the customer’s service line and provide the customer with access to information from the device. The cost of the device, including installation and ongoing operating costs, shall be billed to the customer, and nonpayment may result in discontinuance of service.
 - B. If the customer does not currently receive service through a metered connection, install a water meter on the customer’s service line, charge the customer for water use pursuant to Cal Water’s metered service tariffs and rules, and install a real-time water measurement device on the customer’s service line and provide the customer with access to information from the device. The cost of the device, including installation and ongoing operating costs, shall be billed to the customer, and nonpayment may result in discontinuance of service.
- 2. **SECOND VIOLATION**: If Cal Water verifies that the customer has used potable water for non-essential, wasteful uses after having been notified of the first violation, Cal Water shall provide the customer with a second written notice of violation. In addition to the actions prescribed under the first violation above, Cal Water is authorized to take the following actions:
 - A. Apply the following waste of water penalties, which are in addition to any other charges authorized by this Schedule or other Cal Water tariffs.
 - i. If Stage 1 is in effect, \$25 (Stage 1 is detailed below in Section E).
 - ii. If Stage 2 is in effect, \$50 (Stage 2 is detailed below in Section F).

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WATER SHORTAGE CONTINGENCY PLAN
WITH STAGED MANDATORY REDUCTIONS AND DROUGHT SURCHARGES (continued)

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D. WASTE OF WATER PENALTIES (Continued)

- iii. If Stage 3 is in effect, \$100 (Stage 3 is detailed below in Section G).
- iv. If Stage 4 is in effect, \$200 (Stage 4 is detailed below in Section H).

B. At its sole discretion, waive the waste of water penalty if the customer participates in a water use evaluation provided by Cal Water and/or provides documentation to Cal Water proving that a drip irrigation system, micro spray irrigation system, high-efficiency sprinkler system, or properly programmed smart irrigator controller has been installed, after a notice of violation was delivered, and is in use at the customer's service address.

3. **THIRD VIOLATION:** If Cal Water verifies that the customer has used potable water for non-essential, wasteful uses after having been notified of the second violation, Cal Water shall provide the first and second violations above, Cal Water is authorized to take the following actions:

A. Apply the following waste of water penalties, which are in addition to any other charges authorized by this Schedule or other Cal Water tariffs.

- i. If Stage 1 is in effect, \$50 (Stage 1 is detailed below in Section E).
- ii. If Stage 2 is in effect, \$100 (Stage 2 is detailed below in Section F).
- iii. If Stage 3 is in effect, \$200 (Stage 3 is detailed below in Section G).
- iv. If Stage 4 is in effect, \$400 (Stage 4 is detailed below in Section H).

B. At its sole discretion, waive the waste of water surcharge if the customer participates in a water use evaluation provided by Cal Water and/or provides documentation to Cal Water proving that a drip irrigation system, micro spray irrigation system, high-efficiency sprinkler system, or properly programmed smart irrigation controller has been installed, after notice of violations have been delivered, and is in use at the customer's service address.

4. **FOURTH VIOLATION:** If Cal Water verifies that the customer has used potable water for non-essential, wasteful uses after having been notified of the third violation, Cal Water shall provide the customer with a fourth written notice of violation. In addition to actions set forth in previous violations prescribed above, Cal Water is authorized to install a flow-restricting device on the customer's service line. Cal Water shall not be held liable for any injuries, damages, and/or consequences arising from the installation of a flow restricting device.

5. **EGREGIOUS VIOLATIONS:** Notwithstanding the foregoing framework for penalties, customers who Cal Water has verified are egregiously using potable water for non-essential, wasteful uses are subject to having a flow-restricting device installed on their service line. After providing the customer with one notice of egregious violation, either by direct mail or door hanger, which documents the egregious use of potable water for non-essential, wasteful uses and explains that failure to correct the violation may result in the installation of a flow-restricting device on the customer's service line, Cal Water is authorized to install a flow-restricting device on the customer's service line. Cal Water shall not be held liable for any injuries, damages, and/or consequences arising from the installation of a flow restricting device.

6. **NOTICES OF VIOLATION:**

A. Unless otherwise specified, written notices of violation provided to customers pursuant to this Schedule shall document the verified violation and alert the customer to the fact that future violations of the restricted uses of potable water may result in a real-time water management device being installed on the customer's service line at the customers expense, waste of water surcharges being applied to the customer's bill, the installation of a flow-restricting device on the customer's service line, or the discontinuation of the customer's service.

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WATER SHORTAGE CONTINGENCY PLAN
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D. WASTE OF WATER PENALTIES (Continued)

- B. If Cal Water elects to install a flow-restricting device on a customer's service line, the written notice service line, shall document the steps the customer must take in order for the flow-restricting device to be removed, and shall explain that after the flow-restricting device is removed, it may be reinstalled, without further notice, if the customer is again verified by Cal Water to be using potable water for non-essential, wasteful uses.
- 7. **FLOW RESTRICTING DEVICE CONDITIONS:** The installation of a flow-restricting device on a customer's service line is subject to the following conditions:
 - A. The device shall be capable of providing the premise with a minimum of 3 Ccf per person, per month, based upon the U.S. Census calculation of the average number of people in a household in the area.
 - B. The device may only be removed by Cal Water, and only after a minimum three-day period has elapsed.
 - C. Any tampering with the device may result in the discontinuation of the customer's water service and the customer being charged for any damage to Cal Water's equipment or facilities and any required service visits.
 - D. After the removal of the device, if Cal Water verifies that the customer is using potable water for non-essential, wasteful uses, Cal Water may install another flow-restricting device without prior notice. This device shall remain in place until water supply conditions warrant its removal. If, despite the installation of the device, Cal Water verifies that the customer is using potable water for non-essential and, unauthorized wasteful uses, then Cal Water may discontinue the customer's water service, as provided in its Rule No. 11.
- 8. **FLOW-RESTRICTING DEVICE REMOVAL CHARGES:** The charge to customers for removal of a flow-restricting device installed pursuant to this Schedule is \$100 during normal business hours, and \$150 for the device to be removed outside of normal business hours.

E. STAGE ONE WATER USE RESTRICTIONS

1. WASTEFUL USES OF WATER (STAGE 1)

The following restrictions may be imposed by Cal Water, except where necessary to address an immediate health or safety need, or to comply with a term or condition in a permit issued by a state or federal agency:

- A. Outdoor Irrigation Restrictions (Stage 1)
 - i. Irrigating ornamental landscapes with potable water is limited to no more than **three (3) days per week**, on a schedule established and posted by Cal Water on its website or otherwise provided to customers by bill message, bill insert, direct mail, or email, or as follows:
 - 1. Customers with even-numbered addresses may irrigate on Saturdays, Tuesdays, and Thursdays.
 - 2. Customers with odd-numbered addresses may irrigate on Sundays, Wednesdays, and Fridays.
 - 3. Customers without a street address may irrigate on Saturdays, Tuesdays, and Thursdays.

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WATER SHORTAGE CONTINGENCY PLAN
WITH STAGED MANDATORY REDUCTIONS AND DROUGHT SURCHARGES (continued)

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E. STAGE ONE WATER USE RESTRICTIONS (Continued)

- 4. Notwithstanding the foregoing restrictions, irrigation of special landscape areas or commercial nurseries landscape area or may occur as needed, provided that the customer who wishes to irrigate a special commercial nursery presents Cal Water with a plan to achieve water use reductions commensurate with those that would be achieved by complying with foregoing restrictions.
- 5. Notwithstanding the foregoing restrictions, when a city, county, or other local public agency in one of Cal Water’s service areas duly adopts restrictions on the number of days or hours of the day that customers may irrigate that are different than those adopted by Cal Water, Cal Water may enforce the city, county, or other local public agency’s restrictions.
- ii. Irrigating ornamental landscape with potable water is prohibited during the hours between **8:00 a.m. and 6:00 p.m.**
- iii. The foregoing restrictions do **not** apply to:
 - 1. Landscape irrigation zones that exclusively use drip irrigation systems and/or micro spray irrigation system;
 - 2. Irrigating ornamental landscapes with the use of a hand-held bucket or similar container, with a continuously monitored hose which is fitted with an automatic shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use or monitored, or for the express purpose of adjusting or repairing an irrigation system.
- B. **Obligation to Fix Leaks, Breaks or Malfunctions:** All leaks, breaks, or other malfunctions in the customer’s plumbing fixtures and/or irrigation system must be repaired within **five (5) business days** of written notification by Cal Water, unless other arrangements are made with Cal Water.
- C. **Prohibited Uses of Water:** Customers are prohibited from using potable water for the following actions:
 - i. The application of potable water to landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures;
 - ii. The use of a hose that dispenses potable water to wash vehicles, including cars, trucks, buses, shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use.
 - iii. The application of potable water to driveways and sidewalks;
 - iv. The use of potable water in a water feature, except where the water is part of a recirculating system;
 - v. The application of potable water to outdoor landscapes during and within forty-eight (48) hours after measurable rainfall (see Definitions);
 - vi. The serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served and/or purchased;
 - vii. Irrigation of ornamental turf on public street medians with potable water;
 - viii. Irrigation outside of newly constructed homes and buildings with potable water in a manner inconsistent with regulations or other requirements established by the California Building Standards Commission and the Department of Housing and Community Development.
- D. Operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. The hotel or motel shall prominently display notice of this option in each guest room using clear and easily understood language.

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WATER SHORTAGE CONTINGENCY PLAN
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E. STAGE ONE WATER USE RESTRICTIONS (Continued)

[Stage 1 (cont.)]

- e. Limits on Filling Ornamental Lakes or Ponds: Filling or re-filling ornamental lakes or ponds with potable water is prohibited, except to the extent needed to sustain aquatic life, provided that such animals are of significant value and have been actively managed within the water feature prior to the implementation of any staged mandatory restrictions of water use as described in this Schedule.
- f. Other duly adopted restrictions on the use of potable water as prescribed from time to time by the Commission or other authorized government agencies are incorporated herein by reference.

F. STAGE TWO WATER USE RESTRICTIONS

1. MANDATORY WATER BUDGETS AND BANKING (STAGE 2)

The Governor's Executive Order mandates a 25% reduction in potable urban usage, as compared with the amount used in 2013, through February 2016. To carry out this mandate, the Water Board must develop water use restrictions that take into consideration the relative per capita water usage of each water supplier's service area such that those with high per capita use are required to achieve proportionally greater reductions than those with less use. In addition, water suppliers must develop rate structures and other pricing mechanisms, such as surcharges and penalties, to achieve 25% water conservation.

A. Mandatory Reduction Percentage: The Water Board has established increasing levels of required water reduction based upon residential per capita per day use (R-GPCD) for the three summer months of July through September 2014.

- i. The Mandatory Reduction Percentage for each of Cal Water's service areas [and Grand Oaks] is in **Appendix B**. This Mandatory Reduction Percentage is the percentage by which customers in that area must reduce their total potable water use, as compared to their use in 2013.

B. Customer Water Budgets: Each customer with metered potable water service (residential and non-residential customers) will receive an individualized "water budget" for each billing period.

- i. The water budget will be the amount of water the customer can use in that billing period without incurring a "drought surcharge." The water budget will be based on the units of water (Cafs) that customer used in the same billing period in 2013, minus the Mandatory Reduction Percentage established by the Water Board (as identified in **Appendix B**). A customer's water budget will vary according to their monthly water usage in 2013.
- ii. If a customer was not in his or her current location in 2013, the average monthly consumption will be used as a starting budget. If customers have a unique situation and the average budget is not appropriate, they can file an appeal to have their water budget increased. Cal Water may also modify the starting budget to reflect suitable use.
- iii. The water budget for the following billing period will appear on each customer's water bill. Customers will also be able to find their water budgets, and their individual water use history dating back to 2013, by going to usage.calwater.com (do not include "www"), and entering their account number, street (or house) number, and ZIP code.
- iv. **Water budgets will become effective with the first billing period that begins in the month of June 2015.** No Drought Surcharges will be applied for billing periods that include any days in the month of May 2015.

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WATER SHORTAGE CONTINGENCY PLAN
WITH STAGED MANDATORY REDUCTIONS AND DROUGHT SURCHARGES (continued)

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F. STAGE TWO WATER USE RESTRICTIONS (Continued)

[Stage 2 (cont.)]

- C. **Minimum Water Budgets:** A minimum monthly amount of water that protects the health and safety of customers will be established for each service area as a Minimum Water Budget for single-family residential customers.
 - i. No single-family residential customer will have a water budget that is below the threshold of the monthly Minimum Water Budget, even if applying the Mandatory Reduction Percentage to that customer’s 2013 usage would result in a lower amount.
 - ii. The Minimum Water Budget for each service area is identified in **Appendix A**. (For areas with bi-monthly billing and bi-monthly water budgets, the Minimum Water Budget in Appendix A should be doubled for the billing period.)
- D. **Drought Surcharges:** If a customer uses more units of potable water (Ccf) than their Water Budget in a billing period, that customer’s water bill will reflect an additional “Drought Surcharge” for each unit of water over the Water Budget.
 - i. The Drought Surcharge per unit of water for each service area is identified in **Appendix A**.
 - ii. Customers will continue to pay the normal tariffed rates for potable water, in addition to any applicable Drought Surcharges. Cal Water retains the right to increase the surcharges if there are changes to the rates in the future.
- E. **Water Banking:** Customers will be able to “bank” unused units of water from their water budget for use in future billing periods.
 - i. Should a customer exceed his or her monthly budget, any banked units of water will be applied to the overage before drought surcharges are imposed.
 - ii. Banked water units can only offset future usage that exceeds a water budget.
- F. **Water Budget Appeals:** If specified criteria are met, a customer can file an appeal to have his or her water budget increased.
 - i. The reasons appeals may be considered include: water use necessary for health and safety; business or economic needs, including process-water requirements; significant long-term savings achieved since 2011; average monthly water use in 2014 that is at least 50% lower than district average; and large animal care (e.g. horse).
 - ii. All appeals must be submitted online at www.calwater.com/appeal or via a written application form (available at www.calwater.com/appeal or from our local Customer Center).
 - iii. Surcharges incurred during the appeal review period may be waived if the review takes an extended period of time.

G. STAGE THREE WATER USE RESTRICTIONS

1. MANDATORY WATER BUDGETS AND BANKING (STAGE 3)

Water budgets will be based on a customer’s consumption during a historical base period and will include a percentage reduction designed to meet necessary water-use reductions. Cal Water may include provisions such as minimum water budgets to protect the health and safety of customers, and water banking allowing customers additional flexibility with regard to their required reductions.

In addition to the normal rate paid for the unit of water, a drought surcharge will be charged to a customer for each unit of water used over the established water budget for the billing period. Cal Water may implement surcharges up to three (3) times those charged in Stage 2. Cal Water will establish an appeals process for customers that will allow for requests for increased water budgets.

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WATER SHORTAGE CONTINGENCY PLAN
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G. STAGE THREE WATER USE RESTRICTIONS (Continued)

[Stage 3 (cont.)]

2. WASTEFUL USES OF WATER (STAGE 3)

The following restrictions may be imposed by Cal Water, except where necessary to address an immediate health or safety need or to comply with a term or condition in a permit issued by a state or federal agency.

Differences from or additions to previous Stages are underlined. (The following restrictions are the same as those provided in Stage 3 of Rule 14.1.)

a. Outdoor Irrigation Restrictions (Stage 3)

i. Irrigating ornamental landscapes with potable water is limited to no more than **two (2) days per week.** on a schedule established and posted by Cal Water on its website or otherwise provided to customers by bill message, bill insert, direct mail, or email, or as follows:

1. Customers with even-numbered addresses may irrigate on Saturdays and Tuesdays (previous Stages allowed Thursdays as well).
2. Customers with odd-numbered addresses may irrigate on Sundays and Wednesdays (previous Stages allowed Fridays as well).
3. Customers without a street address may irrigate on Saturdays and Tuesdays (previous Stages allowed Thursdays as well).
4. Notwithstanding the foregoing restrictions, irrigation of special landscape areas or irrigate a special landscape area or commercial nursery presents Cal Water with a plan to achieve water use reductions commensurate with those that would be achieved by complying with foregoing restrictions.
5. Notwithstanding the foregoing restrictions, when a city, county, or other local public agency in one of Cal Water's service areas duly adopts restrictions on the number of days or hours of the day that customers may irrigate which are different than those adopted by Cal Water, Cal Water may enforce the city, county, or other local public agency's restrictions.

ii. Irrigating ornamental landscape with potable water is prohibited during the hours between **8:00 a.m. and 6:00 p.m.**

iii. The foregoing restrictions do **not** apply to:

1. Landscape irrigation zones that exclusively use drip irrigation systems and/or micro spray irrigation system;
2. Irrigating ornamental landscapes with the use of a hand-held bucket or similar container, a continuously monitored hose which is fitted with an automatic shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use or monitored, or for the express purpose of adjusting or repairing an irrigation system.

B. Obligation to Fix Leaks, Breaks or Malfunctions: All leaks, breaks, or other malfunctions in the customer's plumbing fixtures and/or irrigation system must be repaired within **two (2) business days** of written notification by Cal Water, unless other arrangements are made with Cal Water.

C. Prohibited Uses of Water: Customers are prohibited from using potable water for the following actions:

- i. The application of potable water to landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures (note: this provision appears under Section E in Rule 14.1);

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Resolution No. _____

Schedule No. 14.1

(N)

WATER SHORTAGE CONTINGENCY PLAN
WITH STAGED MANDATORY REDUCTIONS AND DROUGHT SURCHARGES (continued)

Page 10

G. STAGE THREE WATER USE RESTRICTIONS (Continued)

[Stage 3 (cont.)]

- ii. The use of a hose that dispenses potable water to wash vehicles, including cars, trucks, buses, boats, aircraft, and trailers, whether motorized or not, except where the hose is fitted with a shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use (note: this provision appears under Section E in Rule 14.1).
 - iii. The application of potable water to driveways and sidewalks;
 - iv. The use of potable water in a water feature, except where the water is part of a recirculating system;
 - v. The application of potable water to outdoor landscapes during and within forty-eight (48) hours after measurable rainfall;
 - vi. The serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served and/or purchased;
 - vii. Irrigation of ornamental turf on public street medians with potable water;
 - viii. Irrigation outside of newly constructed homes and buildings with potable water in a manner inconsistent with regulations or other requirements established by the California Building Standards Commission and the Department of Housing and Community Development.
 - ix. Use of potable water for street cleaning with trucks, except for initial wash-down for construction purposes (if street sweeping is not feasible);
 - x. Use of potable water for construction purposes, such as consolidation of backfill, dust control, or other uses unless no other source of water or other method can be used.
- D. Operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. The hotel or motel shall prominently display notice of this option in each guest room using clear and easily understood language.
- E. Limits on Filling Ornamental Lakes or Ponds: Filling or re-filling ornamental lakes or ponds with potable water is prohibited, except to the extent needed to sustain aquatic life, provided that such animals are of significant value and have been actively managed within the water feature prior to the implementation of any staged mandatory restrictions of water use as described in this Schedule.
- F. Other duly adopted restrictions on the use of potable water as prescribed from time to time by the Commission or other authorized government agencies are incorporated herein by reference.

H. STAGE FOUR WATER USE RESTRICTIONS

1. MANDATORY WATER BUDGETS AND BANKING (STAGE 4)

Water budgets will be based on a customer's consumption during a historical base period and will include a percentage reduction designed to meet necessary water-use reductions. Cal Water may include provisions such as minimum water budgets to protect the health and safety of customers, and water banking allowing customers additional flexibility with regard to their required reductions.

In addition to the normal rate paid for the unit of water, a drought surcharge will be charged to a customer for each unit of water used over the established water budget for the billing period. For Stage 4, Cal Water may implement surcharges up to three (3) times those charged in Stage 2. Cal Water may require customer consumption reductions of up to 50%.

Cal Water will establish an appeals process for customers that will allow for requests for increased water budgets.

(N)

(continued)

(To be inserted by utility)

Issued by

(To be inserted by Cal. P.U.C.)

Advice Letter No. 2168-A

PAUL G. TOWNSLEY

Date Filed

Decision No.

Vice President
NAME
TITLE

Effective

Resolution No.

Schedule No. 14.1

(N)

WATER SHORTAGE CONTINGENCY PLAN
WITH STAGED MANDATORY REDUCTIONS AND DROUGHT SURCHARGES (continued)

Page 11

H. STAGE FOUR WATER USE RESTRICTIONS (Continued)

[Stage 4 (cont.)]

2. WASTEFUL USES OF WATER (STAGE 4)

The following restrictions may be imposed by Cal Water, except where necessary to address an immediate health or safety need or to comply with a term or condition in a permit issued by a state or federal agency. Differences from or additions to previous Stages are underlined. (The following restrictions are the same as those provided in Stage 4 of Rule 14.1.)

- A. Irrigating ornamental landscape with potable water is prohibited, except when a hand-held bucket nozzle or device attached to it that causes it to cease dispensing water immediately when not in use or monitored is used to maintain vegetation, including trees and shrubs.
- B. Obligation to Fix Leaks, Breaks or Malfunctions: All leaks, breaks, or other malfunctions in the customer's plumbing fixtures or irrigation system must be repaired within **one (1) business day** of written notification by Cal Water, unless other arrangements are made with Cal Water.
- C. Prohibited Uses of Water: Customers are prohibited from using potable water for the following actions:
 - i. The application of potable water to landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures;
 - ii. The use of a hose that dispenses potable water to wash vehicles, including cars, trucks, buses, boats, aircraft, and trailers, whether motorized or not, except where the hose is fitted with a shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use.
 - iii. The application of potable water to driveways and sidewalks;
 - iv. The use of potable water in a water feature, except where the water is part of a recirculating system;
 - v. The application of potable water to outdoor landscapes during and within forty-eight (48) hours after measurable rainfall;
 - vi. The serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served and/or purchased;

[Note that items previously identified as (ix) and (x) in Stage 3 have been eliminated.]

 - vii. Use of potable water for street cleaning with trucks (previous Stage allowed certain exceptions);
 - viii. Use of potable water for construction purposes, such as consolidation of backfill, dust control, or other uses (previous Stage allowed certain exceptions).
- D. Operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. The hotel or motel shall prominently display notice of this option in each guest room using clear and easily understood language.
- E. Limits on Filling Ornamental Lakes or Ponds: Filling or re-filling ornamental lakes or ponds with potable water is prohibited, except to the extent needed to sustain aquatic life, provided that such animals are of significant value and have been actively managed within the water feature prior to the implementation of any staged mandatory restrictions of water use as described in this Schedule.
- F. Other duly adopted restrictions on the use of potable water as prescribed from time to time by the Commission or other authorized government agencies are incorporated herein by reference.

(N)

(continued)

(To be inserted by utility)

Issued by

(To be inserted by Cal. P.U.C.)

Advice Letter No. 2168-A

PAUL G. TOWNSLEY

Date Filed

Decision No.

Vice President
NAME
TITLE

Effective

Resolution No.

Schedule No. 14.1

(N)

WATER SHORTAGE CONTINGENCY PLAN
WITH STAGED MANDATORY REDUCTIONS AND DROUGHT SURCHARGES (continued)

Page 12

APPENDIX A

Drought surcharges apply to all metered customers of potable water.

District	Tariff Area	Drought Surcharge Non-LIRA Customers (a)	Drought Surcharge LIRA Customers (b)	Minimum Monthly Water Budget (Ccf) (c)	Rate Support Fund (RSF) Areas
Antelope Valley	Fremont Valley & Lake Hughes	\$4.5200	\$2.2600	5	RSF Area
	Lancaster	\$7.1180	\$3.5590	5	
	Leona Valley	\$4.5200	\$2.2600	5	RSF Area
Bakersfield		\$4.1868	\$2.0934	7	
Bayshore	Mid-Peninsula	\$10.0000	\$5.0000	6	
	South San Francisco	\$5.6492	\$2.8246	6	
Bear Gulch		\$10.0000	\$5.0000	6	
Chico		\$3.1314	\$1.5657	6	
Dixon		\$7.9402	\$3.9701	7	
Dominguez		\$6.9934	\$3.4967	7	
East Los Angeles		\$3.7605	\$1.8803	9	
Grand Oaks		\$2.1236	\$1.0618	5	
Hermosa Redondo		\$9.1586	\$4.5793	5	
Kern River Valley		\$4.5200	\$2.2600	4	RSF Area
King City		\$6.7536	\$3.3768	9	
Livermore		\$7.6194	\$3.8097	6	
Los Altos		\$8.1608	\$4.0804	6	
Marysville		\$5.1470	\$2.5735	6	
Oroville		\$6.1840	\$3.0920	6	
Palos Verdes		\$9.5358	\$4.7679	6	
Redwood Valley		\$4.5200	\$2.2600	4	RSF Area
Salinas		\$5.7776	\$2.8888	7	
Selma		\$3.0122	\$1.5061	8	
Stockton		\$5.5506	\$2.7753	7	
Visalia		\$2.9796	\$1.4898	7	
Westlake		\$9.2378	\$4.6189	6	
Willows		\$4.1356	\$2.0678	6	

- (a) The Drought Surcharge is equal to two (2) times the highest residential tier rate with a \$10.00 maximum EXCEPT:
 The Drought Surcharge in Rate Support Fund (RSF) areas is equal to \$4.52.
 The Drought Surcharge for districts with a 10% or less water reduction requirement is equal to the highest residential tier rate.
- (b) The Drought Surcharge for LIRA customers is 50% of the Drought Surcharge for Non-LIRA customers.
- (c) The Minimum Water Budget is set at 55 gpcd (gallons per capita per day) multiplied by the number of people per household for the area according to the U.S. Census.

(N)

[end]

Schedule No. 14.1

(N)

WATER SHORTAGE CONTINGENCY PLAN
WITH STAGED MANDATORY REDUCTIONS AND DROUGHT SURCHARGES (continued)

Page 13

APPENDIX B

Supplier Name	Total Water Production 2013 (Jun - Feb)	Percent Saved (Jun-14 - Feb-15, compared to 2013)	Jul-Sep 2014 R-GPCD	Tier	Conservation Standard	Estimated Savings (Gallons)
California Water Service Company South San Francisco	2,075,673,590	8%	48.8	2	8%	166,053,887
California Water Service Company East Los Angeles	3,998,522,861	4%	51.4	2	8%	319,881,829
California Water Service Company King City	428,820,478	6%	67.7	3	12%	51,458,457
California Water Service Company Dominguez	8,444,765,582	4%	83.7	4	16%	1,351,162,493
California Water Service Company Salinas District	4,612,101,098	12%	86.0	4	16%	737,936,176
California Water Service Company Mid Peninsula	3,986,792,209	11%	87.4	4	16%	637,886,753
California Water Service Company Redwood Valley	108,182,674	24%	93.3	4	16%	17,309,228
California Water Service Company Hermosa/Redondo	2,984,799,071	0%	96.4	5	20%	596,959,814
California Water Service Company Stockton	6,808,665,567	7%	97.6	5	20%	1,361,733,113
California Water Service Company Livermore	2,781,467,781	31%	120.5	6	24%	667,552,267
California Water Service Company Marysville	575,127,769	14%	125.5	6	24%	138,030,664
California Water Service Company Oroville	830,595,287	18%	131.6	7	28%	232,566,680
California Water Service Company Dixon, City of	382,549,575	9%	144.3	7	28%	107,113,881
California Water Service Company Kern River Valley	222,882,376	10%	148.9	7	28%	62,407,065
California Water Service Company Willows	364,301,895	13%	168.6	7	28%	102,004,531
California Water Service Company Los Altos/Suburban	3,714,706,268	16%	173.8	8	32%	1,188,706,006
California Water Service Company Selma	1,492,399,536	17%	189.2	8	32%	477,567,851
California Water Service Company Visalia	8,033,215,230	11%	191.7	8	32%	2,570,628,874
California Water Service Company Bakersfield	18,863,864,960	11%	197.6	8	32%	6,036,436,787
California Water Service Company Chico District	6,759,462,002	16%	210.4	8	32%	2,163,027,841
California Water Service Company Bear Gulch	3,623,142,017	11%	252.5	9	36%	1,304,331,126
California Water Service Company Palos Verdes	5,184,622,055	4%	255.4	9	36%	1,866,463,940
California Water Service Company Antelope Valley	186,061,165	-16%	296.7	9	36%	66,982,019
California Water Service Company Westlake	2,085,449,133	8%	336.7	9	36%	750,761,688

(N)

(To be inserted by utility)
 Vice Letter No. 2168-A
 Decision No. -

Issued by
PAUL G. TOWNSLEY
NAME
Vice President
TITLE

(To be inserted by Cal. P.U.C.)
 Date Filed _____
 Effective _____
 Resolution No. _____



Antelope Valley District

ADVICE LETTER FILING MAILING LIST
PER SECTION 111 (G) OF GENERAL ORDER NO. 96-A

Interested Parties

Peggy Fuller, Treasurer
Leona Valley Town Council
P.O. Box 795
Leona Valley, CA 93551
pfuller@leonavalleytc.org

Jack L. Chacanaca
Leona Valley Cherry Growers Association
26201 Tuolumne St.
Mojave, CA 93501

Joseph S. Lucido, President
Leona Valley Cherry Growers Association
26201 Tuolumne St
Mojave, CA 93501

Service Area Maps Only

Los Angeles LAFCO
Executive Officer
383 Hall of Administration
Los Angeles, CA 90012

Fire Chief
Los Angeles County
500 W. Temple Street, Room 358
Los Angeles, CA 90012

CDF, Battalion 11
8723 Elizabeth Lake Road
Leona Valley, CA 93550



Bakersfield District

ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Competing and Adjacent Utilities:

City of Bakersfield
1501 Truxtun Avenue
Bakersfield, CA 93301501
jwstinson@bakersfieldcity.us

City of Bakersfield
Water Resources Dept.
1000 Buena Vista Rd.
Bakersfield, CA 93311
mrandall@bakersfieldcity.us

Casa Loma Water Company
1016 Lomita Drive
Bakersfield, CA 93307

East Niles Community Services District
Manager: Timothy Ruiz
P.O. Box 6038
Bakersfield, CA 93386-6038
Email: truiz@eastnilescsd.org

Victory Mutual Water Company
P.O. Box 40035
Bakersfield, CA 93304

Krista Mutual Water Company
7025 Cuddy Valley Road
Frazir Park, CA 93225

Oildale Mutual Water Company
Attn: Manager Douglas Nunneley
P.O. Box 5638
Bakersfield, CA 93388
Email: dnunneley@yahoo.com

Stockdale Annex Mutual Water Company
P.O. Box 9726
Bakersfield, CA 93386-9726



Bakersfield District

Other Utilities and Interested Parties Requesting Notification:

Kern County Water Agency
Attn: Eric Averett
P.O. Box 58
Bakersfield, CA 93302

Robert Norwood
2803 Loyola St.
Bakersfield, CA 93306

Service Maps

Kern County LAFCO
Executive Officer
5300 Lennox Avenue Ste.303
Bakersfield, CA 93309
Email: KCLAFCO@bak.rr.com

Kern County Fire Department
Attn: Fire Chief
1115 Truxtun Avenue
Bakersfield, CA 93301

City of Bakersfield
Attn: Fire Chief
2101 H St.
Bakersfield, CA 93301
Email: rfraze@bakersfieldfire.us



Bayshore District

ADVICE LETTER FILING MAILING LIST PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of San Carlos
Attn: Linda Navarro
600 Elm Street
San Carlos, CA 94070
Email: rweil@cityofsancarlos.org

City of San Mateo, City Hall
330 West 20th Ave.
San Mateo, CA 94403
Email: vhansen@cityofsanmateo.org

Adjacent Private and Public Utilities

Mid-Peninsula Water District
Attn: Tammy Rudock
P.O. Box 129
Belmont, CA 94002
tammyr@midpeninsulawater.org

Justin Ezell
Public Works Superintendent
1400 Broadway
Redwood City, CA 94063-2505
Email: jezell@redwoodcity.org

Ray Towne, Director of Public Works
Foster City
610 Foster City Blvd.
Foster City, CA 94404
Email: rtowne@fostercity.org

City of Burlingame
501 Primrose Rd.
Burlingame, CA 94010
Email: amorimoto@burlingame.org

Town of Hillsborough
1600 Floribunda Ave.
Hillsborough, CA 94010

City of South San Francisco
400 Grand Avenue
South San Francisco, CA 94080
Attn: Barry Nagal

San Bruno Water Department
567 El Camino Real
San Bruno, CA 94066

Daly City DWWR
Attn: Patrick Sweetland
153 Lake Merced Blvd.
Daly City, CA 94005
Email: psweetland@dalcycity.org

City of Brisbane
Attn: Betsy Cooper
50 Park Place
Brisbane, CA 94005
Email: bcooper@ci.brisbane.ca.us

Westborough Water District
P.O. Box 2747
South San Francisco, CA 94083



Bayshore District

Email: mdebry@hillsborough.net

ADVICE LETTER FILING MAILING LIST PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Other Interested Parties

Mr. John Gardner
Tilden Engineering
P.O. Box 897
Menlo Park, CA 94026

Service Area Maps Only

LAFCO (Local Agency Formation Commission)
Executive Officer, San Mateo LAFCO
County Government Center, Redwood City, CA 94063
Email: mpoyatos@co.sanmateo.ca.us

Fire Department Servicing
Affected Area



Bear Gulch District

ADVICE LETTER FILING MAILING LIST PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Menlo Park
Attn: Carol Augustine
701 Laurel Street
Menlo Park, CA 94025
Email: ctaugustine@menlopark.org

City of Menlo Park
Attn: Lisa Ekers
701 Laurel Street
Menlo Park, CA 94025
Email: leakers@menlopark.org

City of Palo Alto
Attn: Erik Keniston
250 Hamilton Avenue
Palo Alto, CA 94301
Email: eric.keniston@cityofpaloalto.org

Service Area Maps - only

Gail Sredanovic
2161 Ashton Avenue
Menlo Park, CA 94025

Town of Portola Valley
Public Works Director
765 Portola Rd.
Portola Valley, CA 94028
Email: hyoung@portolavalley.net

LAFCO
Executive Officer Ms. Martha Poyatos
455 County Center, 2nd Floor
Redwood City, CA 94063-1663

Town of Atherton
Attn: Duncan Jones
91 Ashfield Rd.
Atherton, CA 94027
Email: djones@ci.atherton.ca.us

Fire Department Servicing Affected Area

Town of Woodside
P.O. Box 620005
Woodside, CA 94062

Adjacent Private and Public Utilities

City of Menlo Park Water Dept.
701 Laurel Street
Menlo Park, CA 94025
Email: jpmcgirr@menlopark.org

Redwood City Water Department
P.O. Box 391
Redwood City, CA 94064

Los Trancos Water District
1263 Los Trancos Road
Portola Valley, CA 94025



Chico District

ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Chico
Attn: Frank Fields
P.O. Box 3420
Chico, CA 95927-3420
Email: ffields@ci.chico.ca.us

City of Chico
Attn: Dave Burkland
City Manager
P.O. Box 3420
Chico, Ca 95927
dburkland@ci.chico.ca.us

City of Chico
Attn: John Rucker
Assistant City Manager
P.O. Box 3420
Chico, Ca 95927
jrucker@ci.chico.ca.us

Service Area Maps

Butte LAFCO
1453 Downer Street, Suite C
Oroville, CA 95965
Email: jstover@buttecounty.net

(Service in Unincorporated Butte County)
Butte County Fire Rescue
Attn: Fire Chief
176 Nelson Ave
Oroville, CA 95965



Dixon District

ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Dixon
Attn: Finance Dept.
600 East A Street
Dixon, CA 95620
(Dixon finance department only wants notices of rate increases, not other filings)

Adjacent Private and Public Utilities

Solano Irrigation District
Attn: General Manager
508 Elmira Road
Vacaville, CA 95687
Email: admin@sidwater.org

Maine Prairie Water District
P.O. Box 73
Dixon, CA 95620

Service Area Maps

LAFCO (Local Agency Formation Commission)
Executive Officer
Solano LAFCO
675 Texas Street
Fairfield, CA 94533

Fire Chief
City of Dixon
600 East A Street
Dixon, CA 95620



Dominguez District

ADVICE LETTER FILING MAILING LIST
PER SECTION 111 (G) OF GENERAL ORDER NO. 96-A

Adjacent Privately and Publicly Owned Utilities

City of Torrance Water Department
Attn: Alan Berndt
20500 Madrona Ave
Torrance, CA 90630
Email: aberndt@torranceca.gov

City of Compton Municipal Water
Department
205 S. Willowbrook Avenue
Compton, CA 90220

City of Los Angeles
Department of Water and Power
P.O. Box 51111, Room 956
Los Angeles, CA 90051-0100
Email: Richard.west@ladwp.com

City of Long Beach Water Department
1800 East Wardlow Road
Long Beach, CA 90807

Golden State Water Company
Attn: Regulatory Affairs
630 East Foothill Blvd.
San Dimas, CA 91733

Park Water Company
P.O. Box 7002
Downey, CA 90241-7002
Email: pwcadviceletterservice@parkwater.com

Service Area Maps

Los Angeles LAFCO
Executive Officer
383 Hall of Administration
Los Angeles, Ca 90012

Fire Department Servicing Affected Area



East Los Angeles District

ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Commerce
Attn: Bob Zarihi
2535 Commerce Way
Commerce, CA 90040

City of Montebello, Engineering Dept
Attn: Roberta King,
1600 W. Beverly Blvd.
Montebello, CA 90640

City of Vernon
4305 Santa Fe Ave.
Vernon, CA 90058

City of Monterey Park
Attn: Victor Meza
Water Department
320 W. Newmark Ave.
Monterey Park, CA 91754

City of Los Angeles
Dept. of Water & Power
Attn: Richard West
P.O. Box 51111, Room 956
Los Angeles, CA 90051-0100
Email: richard.west@ladwp.com

Adjacent Private and Public Utilities

Park Water Company
P.O. Box 7002
Downey, CA 90241-7002
Email: pwcadviceletterservice@parkwater.com

San Gabriel Valley Water Company
Attn: Daniel A. Dell'Osa
11142 Garvey Ave.
El Monte, CA 91733
Email: dadellosa@sgvwater.com

Montebello Land & Water Company
Attn: Kenneth S. Bradbury
344 E. Madison Avenue
Montebello, CA 90640
Email: ken@mtblw.com

South Montebello Irrigation District
Attn: David Herrera
864 W. Washington Blvd.
Montebello, CA 90640

Service Area Maps

Los Angeles LAFCO
Executive Officer
383 Hall of Administration
Los Angeles, CA 90020

Los Angeles County Fire Dept.
Attn: Alfie Blanch
5847 Rickenbacker Rd.
Commerce, CA 90040
ablanch@fire.lacounty.gov

Fire Department Servicing Affected Area



Hermosa-Redondo District

ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Hermosa Beach
1315 Valley Drive
Hermosa Beach, CA 90254
Email: rmorgan@hermosabch.org

City of Redondo Beach, Public Works Dept.
Attn: Rob Osborne
415 Diamond Street,
Redondo Beach, CA 90277
Email: rob.osborne@redondo.org

City of Torrance, Dept. of Water
Attn: Alan Berndt
20500 Madrona Ave
Torrance, CA 90630
Email: ab Berndt@torranceca.gov

Adjacent Private and Public Utilities

City of Manhattan Beach
Attn: Rob Erikson
3621 Bell Avenue
Manhattan Beach, CA 90266

City of Hawthorne
4455 W. 126th St.
Hawthorne, CA 90250

City of Los Angeles, Dept. of Water & Power
Mr. Richard A. West, Rates Manager
P.O. Box 51111, Room 956
Los Angeles, CA 90051-0100
Email: richard.west@ladwp.com

Golden State Water Company
Attn: Ronald Moore, Regulatory Affairs
630 East Foothill Blvd.
San Dimas, CA 91773

Park Billing Company
Attn: Tina Davis and Vicky Miller
P. O. Box 910
Dixon, CA 95620
Email: vmiller@parkbilling.com
Email: tdavis@parkbilling.com

Service Area Maps

Los Angeles LAFCO
Executive Officer
383 Hall of Administration
Los Angeles, Ca 90012

Los Angeles County Fire Dept.
Attn: Alfie Blanch
5847 Rickenbacker Rd.
Commerce, CA 90040
ablanch@fire.lacounty.gov

Fire Department Servicing Affected Area



Kern River Valley District

ADVICE LETTER FILING MAILING LIST
PER SECTION 111 (G) OF GENERAL ORDER NO. 96-A

Interested Parties

Jim Davis
8824 Cache
Leona Valley, CA 93551

Rob Benson
PO Box 1557
Kernville, Ca 93238
rcbenson@earthlink.net

Darlene Studdard
Committee Member
Residents Against Water Rates
PO Box 3701
Wofford Heights, Ca 93285-3701
For: Residents Against Water Rates (Raw)

Jeremy Callihan
Department of Water Resources
Safe Drinking Water Program
1416 Ninth Street, Rm. 816
Sacramento, CA 95814

Linda Ng
Department of Water Resources
Safe Drinking Water Program
1416 Ninth Street, Rm. 816
Sacramento, CA 95814

Service Area Map only

Kern County LAFCO
Executive Officer
5300 Lennox Avenue
Suite 303
Bakersfield, CA 93309
Email: KCLAFCO@bak.rr.com



King City District

ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

King City
212 S. Vanderhurst Avenue
King City, CA 93930
Attn: Jim Larson, Finance Director

Adjacent Private and Public Utilities

Little Bear Water Company
51201 Pine Canyon Road, Space #125
King City, CA 93930

Park Billing Company
Attn: Tina Davis and Vicky Miller
P. O. Box 910
Dixon, CA 95620
Email: vmiller@parkbilling.com
Email: tdavis@parkbilling.com

Service Area Maps Only

Kate McKenna, E.O.
LAFCO of Monterey County
Local Agency Formation Commission
P O Box 1369, Salinas, CA 93902

Fire Chief
King City
212 S. Vanderhurst Avenue
King City, CA 93930



Livermore District

ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Livermore
Utility Billing Division
Attn: Erik Peterson
1052 S. Livermore Ave.
Livermore, CA 94550
Email: etpeterson@ci.livermore.ca.us

Alameda County Flood Control
& Water Conservation District
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

Service Area Maps Only

Mona Palacios Executive Officer
Alameda LAFCO
1221 Oak Street Room 555
Oakland, CA 94612
Email: mona.palacios@acgov.org

Fire Chief
City of Livermore
1052 S. Livermore Avenue
Livermore, CA 94550



Los Altos District

ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Cupertino
Attn: Timm Borden
10300 Torre Avenue
Cupertino, CA 95014-3202

City of Los Altos
Attn: Jim Gustafson
1 North San Antonio Rd.
Los Altos, CA 94022

Town of Los Altos Hills
Attn: Carl Cahill
26379 Fremont Road
Los Altos Hills, CA 94022

Adjacent Private and Public Utilities

San Jose Water Company
Attn: Palle Jensen
374 W. Santa Clara St.
San Jose, CA 95196
Email: palle.jensen@sjwater.com

Purissima Hills County Water District
Attn: Patrick D. Walter
26375 Fremont Rd.
Los Altos, CA 94022
Email: pwalter@purissimawater.org

City of Mountain View, Water Dept.
231 N. Whisman Rd.
Mt. View, CA 94043
Email: will.medina@mountainview.gov

City of Sunnyvale, Water Dept.
Attn: Val Conzet Water Operations Manager
P.O. Box 3707
Sunnyvale, CA 94088-3703
Email: vconzet@ci.sunnyvale.ca.us
jperry@ci.sunnyvale.ca.us

City of Santa Clara, Water Dept.
Attn: Alan Kurotori
Water and Sewer Utilities
1500 Warburton Ave.
Santa Clara, CA 95050

City of Palo Alto, City Hall
Attn: Catherine Cox
250 Hamilton Ave.
Palo Alto, CA 94301
Email: catherine.cox@cityofpaloalto.org

Other Parties Requesting Notification

Great Oaks Water Company
15 Great Oaks Blvd. #100
San Jose, CA 95119
Email: bloehr@greatoakswater.com

Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118
Email: dtaylor@valleywater.org

Service Area Maps Only

LAFCO of Santa Clara County
Neelima Palacherla, Executive Director
70 W. Hedding St. 11th Floor
San Jose, CA 95110
Email: neelima.palacherla@ceo.sccgov.org

Fire Department Serving Affected Area



Marysville District

ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Marysville
Attn: Dixon Coulter
P.O. Box 150
Marysville, CA 95901
Email: dcoulter@marysville.ca.us

Adjacent Private and Public Utilities

City of Yuba City
Utilities Director
302 Burns Drive
Yuba City, CA 95991

Olivehurst Public Utility District
Attn: Gary Plasterer
P.O. Box 670
Olivehurst, CA 95961

Linda County Water District
Attn: Dave Gothrow, Mgr.
1280 Scales
Marysville, CA 95901

Service Area Maps only

Yuba County LAFCO
915 8th Street, Suite 107
Marysville, CA 95901

CDF – Northern Region Chief
P.O. Box 944246
Sacramento, CA 94244-2460

Fire Department Serving Affected Area



Oroville District

ADVICE LETTER FILING MAILING LIST
PER SECITON III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Oroville
Attn: Diane MacMillian
1735 Montgomery Street
Oroville, CA 95965

Adjacent Private and Public Utilities

Thermalito Irrigation District
Attn: Jayme Boucher
410 Grand Ave.
Oroville, CA 95965
Email: joucher@twsd.info

South Feather Water & Power
Attn: Mike Glaze
2310 Oroville Quincy Hwy.
Oroville, CA 95966
Email: glaze@southfeather.com

Service Area Maps Only

Butte County LAFCO
1453 Downer St. Ste. C
Oroville, CA 95965
Email: jstover@buttecounty.net

Fire Chief
City of Oroville
1735 Montgomery Street
Oroville, CA 95965



Palos Verdes District

ADVICE LETTER FILING MAILING LIST
PER SECITON III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Lomita
Attn: Woody Thurlow
P.O. Box 339
Lomita, CA 90717

City of Palos Verdes Estates
Attn: Judy Smith
340 Palos Verdes Drive West
Palos Verdes Estates, CA 90274
Email: cityclerk@pvestates.org

City of Rancho Palos Verdes
30940 Hawthorne Blvd.
Rancho Palos Verdes, CA 90275
Email: publicworks@rpv.com

City of Rolling Hills
No. 2 Portuguese Bend Road
Rolling Hills, CA 90274
Email: hluce@cityofrh.net

City of Rolling Hills Estates
Attn: Mike Whitehead
4045 Palos Verdes Drive North
Rolling Hills Estates, CA 90274

Adjacent Private and Public Utilities

City of Torrance, Water Dept.
Attn: Alan Berndt
20500 Madrona Ave
Torrance, CA 90630
Email: aberndt@torranceca.gov

Mr. Richard A. West, Rates Manager
City of Los Angeles, Dept. of Water & Power
P.O. Box 51111
Los Angeles, CA 90051-0100
Email: richard.west@ladwp.com

Service Area Maps

Los Angeles LAFCO
Executive Officer
383 Hall of Administration
Los Angeles, CA 90012

Los Angeles County Fire Dept.
Attn: Alfie Blanch
5847 Rickenbacker Rd.
Commerce, CA 90040
ablanch@fire.lacounty.gov

Fire Department Servicing Affected Area



Redwood Valley District

ADVICE LETTER FILING MAILING LIST PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Jeffrey Young
473 Woodley Place
Santa Rosa, CA 95409
Email: jffyng@gmail.com

Marcos Pareas
P. O. Box 152
Dillon Beach, CA 94929
Email: mapreas@gmail.com

County of Marin
Director of Public Works
P. O. Box 4186
San Rafael, CA 94913-4186

County of Lake
Special Districts
230 North Main
Lakeport, CA 95453

Joshua Ziese
California Department of Public Health
P.O. Box 997377, MS 7418
1616 Capital Ave.
Sacramento, CA 95899

Lance Reese
California Department of Public Health
P.O. Box 997377, MS 7418
1616 Capital Ave.
Sacramento, CA 95899

Service Area Maps only

County of Marin LAFCO
3501 Civic Center Drive
San Rafael, CA 94903

Fire Department Serving Affected Area



Salinas District

ADVICE LETTER MAILING LIST PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Salinas
City Engineer
200 Lincoln Avenue
Salinas, CA 93901

City of Salinas
City Attorney
200 Lincoln Avenue
Salinas, CA 93901
Email: vanessav@ci.salinas.ca.us
Email: chrisc@ci.salinas.ca.us

Adjacent Private and Public Utilities

Park Billing Company
Attn: Tina Davis and Vicky Miller
P.O. Box 910
Dixon, CA 95620
Email: vmiller@parkbilling.com
Email: tdavis@parkbilling.com

Gavilan Water Company
644 San Juan Grade Road
Salinas, CA 93906

Alco Water Service
Attn: Tom Adcock
249 Williams Road
Salinas, CA 93905

Monterey County Administration
855 East Laurel Drive, Bldg C
Salinas, CA 93905

Service Area Maps

Executive Officer
LAFCO of Monterey County
P.O. Box 1369
Salinas, CA 93902

Fire Chief
City of Salinas
200 Lincoln Avenue
Salinas, CA 93901



Selma District

ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Selma, City Hall
1710 Tucker Street
Selma, CA 93662
Email: DBH@CityofSelma.com

Adjacent Private and Public Utilities

City of Fowler
Attn: D. Weisser
128 S. 5th Street
Fowler, CA 93625
Email: DWeisser@ci.fowler.ca.us

Other Parties Request Notification

City of Fresno, Dept. of Public Works
2600 Fresno Street
Fresno, CA 93721-3624

Service Area Maps only

LAFCO (Local Agency Formation Commission)
Attn: Executive Officer
2115 Kern St. Ste.310
Fresno, CA 93721
Email: jewitte@co.fresno.ca.us

Fire Chief
City of Selma
1710 Tucker Street
Selma, CA 93662



Stockton District

ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Stockton
Attn: Sara Cortes
425 N. El Dorado St.
Stockton, CA 95202

San Joaquin County Board of Supervisors
44 N. San Joaquin St. Ste. 627
Stockton, CA 95202
Email: lsahyoun@sjgov.org

Adjacent Private and Public Utilities

City of Stockton Municipal Utility Dept.
2500 Navy Drive
Stockton, CA 95206

Director of Public Works, County of San Joaquin
1810 East Hazelton Ave.
Stockton, CA 95205
Email: vaguilar@sjgov.org

Stockton-East Water District
6767 East Main Street
Stockton, CA 95215
Email: sewd@sewd.net

Other Parties Requesting Notification

Heinz, USA
Attn: Tom McMurty
P.O. Box 57
Stockton CA 95201

Commanding Officer (Code 136)
Naval Facilities Engineering Com.
Re: Cont. #N68711-74-M-7250-P00999
Cont. #N68711-75-C-5006-P00999
1220 Pacific Highway
San Diego CA 92132

Service Area Maps

San Joaquin LAFCO
509 W. Weber Ave. Ste 420
Stockton, CA 95203

City of Stockton
Fire Chief
425 North El Dorado St.
Stockton, CA 95202

Park Billing Company
Attn: Tina Davis and Vicky Miller
P. O. Box 910
Dixon, CA 95620
Email: vmiller@parkbilling.com
Email: tdavis@parkbilling.com

Pearl West
3731 Portsmouth Circle North
Stockton, CA 95219



Visalia District

ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Visalia
c/o Dooley, Herr, Carlson & Peltzer
100 Willow Plaza, Suite 300
Visalia, CA 93291
Attn: Kenneth Richardson
559-636-5600 Fax 559-636-9759
559-636-5601 Email: kenr@dhlaw.net

Osa Wolff
wolff@smwlaw.com

Adjacent Private and Public Utilities

Bedel Water Company
Attn: Glen Lublin
2536 E. College Ave
Visalia, CA 93292
559-713-0794

Service Area Maps

Tulare County Resource Management Agency
LAFCO
Executive Officer
5961 S. Mooney Blvd.
Visalia, CA 93277
559-733-6291 Fax 559-730-2653

Fire Chief
City of Visalia
707 West Acequia Street
Visalia, CA 93291



Westlake District

ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A

Municipalities and Governmental Agencies

City of Thousand Oaks
Attn: Jay Spurgin, Deputy Public Works Director
2100 Thousand Oaks Blvd.
Thousand Oaks, CA 91362-2903

Adjacent Private and Public Utilities

City of Los Angeles, Dept. of Water & Power
Mr. Richard A. West, Rates Manager
P.O. Box 51111, Room 956
Los Angeles, CA 90051-0100
Email: Richard.west@ladwp.com

California-American Water Company
4701 Beloit Drive
Sacramento, CA 95838-2434
Email: ca.rates@amwater.com

Ventura Regional Sanitation District
Attn: Jocelyn Blysmá
1001 Partridge Dr., Suite 150
Ventura, CA 93003

Las Virgenes Municipal Water District
Attn: Carol Palma
4232 Las Virgenes Road
Calabasas, CA 91302

Service Area Maps

Fire Department Servicing Affected Area
Ventura LAFCO
Executive Officer
800 S. Victoria Avenue
Ventura, CA 93009-1850
Email: kim.uhlich@ventura.org



Willows District

**ADVICE LETTER FILING MAILING LIST
PER SECTION III (G) OF GENERAL ORDER NO. 96-A**

City of Willows
Civic Center
201 N. Lassen Street
Willows, CA 95988

Service Area Maps Only

Christy Leighton, Executive Officer
County of Glenn Local Agency Formation Commission
125 South Murdock
Willows, California 95988

Fire Chief
City of Willows
201 North Lassen Street
Willows, CA 95988
Email: wpeabody@cityofwillows.org

CHAPTER 15.32: WATER CONSERVATION

Section

- [15.32.010](#) Findings and determinations.
- [15.32.020](#) Definitions.
- [15.32.030](#) Prohibitions on water use.
- [15.32.050](#) Emergency suspension of water service.
- [15.32.060](#) Violation–Penalty.

15.32.010 Findings and Determinations.

A. The 1993 water supply available to Santa Clara County markedly exceeds that of the previous six years of droughts; and

B. Since 1989, the citizens of Santa Clara County have responded admirably to the mandatory water conservation programs requested and implemented by the Board of Directors of the Santa Clara Valley Water District; and

C. With continued good conservation practices, implementation of ultra low flush toilet rebate and other plumbing retrofit programs, further development and refinement of the water efficient landscaping ordinances, landscape guidelines, reclamation projects, and other best management practices, 1993 countywide conservation efforts are anticipated to result in a ten percent to twenty percent reduction in water usage as compared to 1987 usage.

(Ord. 1622, (part), 1993; Ord. 1587, (part), 1992; Ord. 1580, (part), 1992; Ord. 1558, § 1, 1991; Ord. 1524, § 1, 1990; Ord. 1513, § 1, 1990)

15.32.020 Definitions.

As used in this chapter

- A. “Customer” means any person who pays for service to the Cupertino Municipal Water Utility.
- B. “Person” means any individual, firm, partnership, association, corporation, trust, governmental body or other organization or entity.
- C. “Water” means potable water.

D. “Water provider” means the California Water Service and/or San Jose Water Company.

(Ord. 1776, (part), 1998; Ord. 1622, (part), 1993; Ord. 1587, (part), 1992; Ord. 1580, (part), 1992; Ord. 1558, § 2, 1991; Ord. 1524, § 2, 1990; Ord. 1513, § 2, 1990)

15.32.030 Prohibition on Water Use.

The following water uses shall be prohibited throughout the City until such time as a declaration is officially made by the Santa Clara Valley Water District that a drought condition no longer exists within Santa Clara County.

A. No person shall waste water, including, but not limited to flooding or runoff on sidewalks or gutters.

B. No person shall use water through a hose for washing motor vehicles or recreation vehicles or other types of vehicles without a positive automatic shutdown valve on the outlet end of the hose.

C. No person shall waste water through the nonrepair of defective plumbing, sprinkler, watering or irrigation systems.

D. No restaurant shall serve water unless specifically requested by a customer.

E. No person shall use water for single pass cooling process for new building construction.

F. New landscaping to conform to City’s Xeriscape Guidelines.

(Ord. 1622, (part), 1993; Ord. 1587, (part), 1992; Ord. 1580, (part), 1992; Ord. 1558, § 3, 1991; Ord. 1524, § 3, 1990; Ord. 1513, § 3, 1990)

15.32.050 Emergency Suspension of Water Service.

In the event of an emergency involving broken or defective plumbing, sprinkler, watering or irrigation systems where in the opinion of the Public Works Director water is being or will be lost in considerable quantity, the City may require that the water provider immediately suspend water service without notice or hearing to any customer pending repairs. The water provider shall attempt to give notice to the customer or customers affected as soon as practical. Subject to other provisions of this chapter, service shall be restored as soon as possible.

(Ord. 1622, (part), 1993; Ord. 1587, (part), 1992:

15.32.060 Violation–Penalty.

Any person who violates any provision of this chapter shall be guilty of a misdemeanor and upon conviction thereof shall be punished as provided in [Chapter 1.12](#) of this code.

(Ord. 1776, (part), 1998; Ord. 1622, (part), 1993; Ord. 1587, (part), 1992; Ord. 1580, (part), 1992; Ord. 1558, § 4.01, 1991; Ord. 1524, § 4.01, 1990; Ord. 1513, § 4.01, 1990)

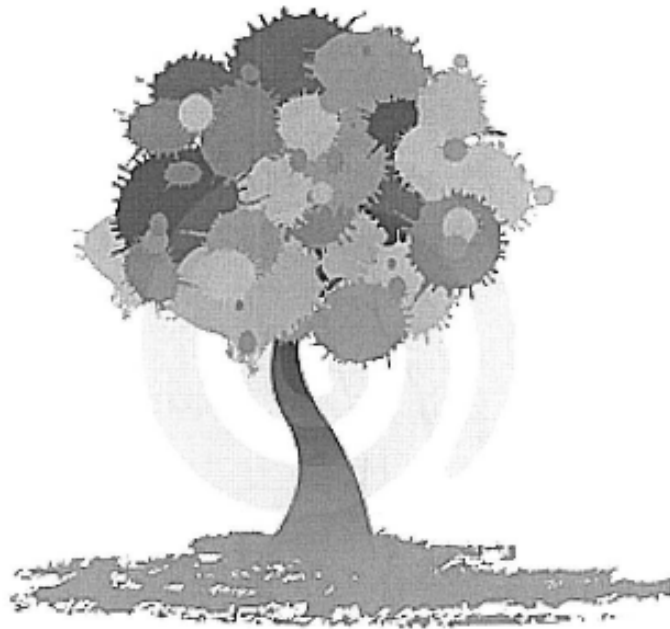
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WATER CONSERVATION IN LANDSCAPING REGULATIONS

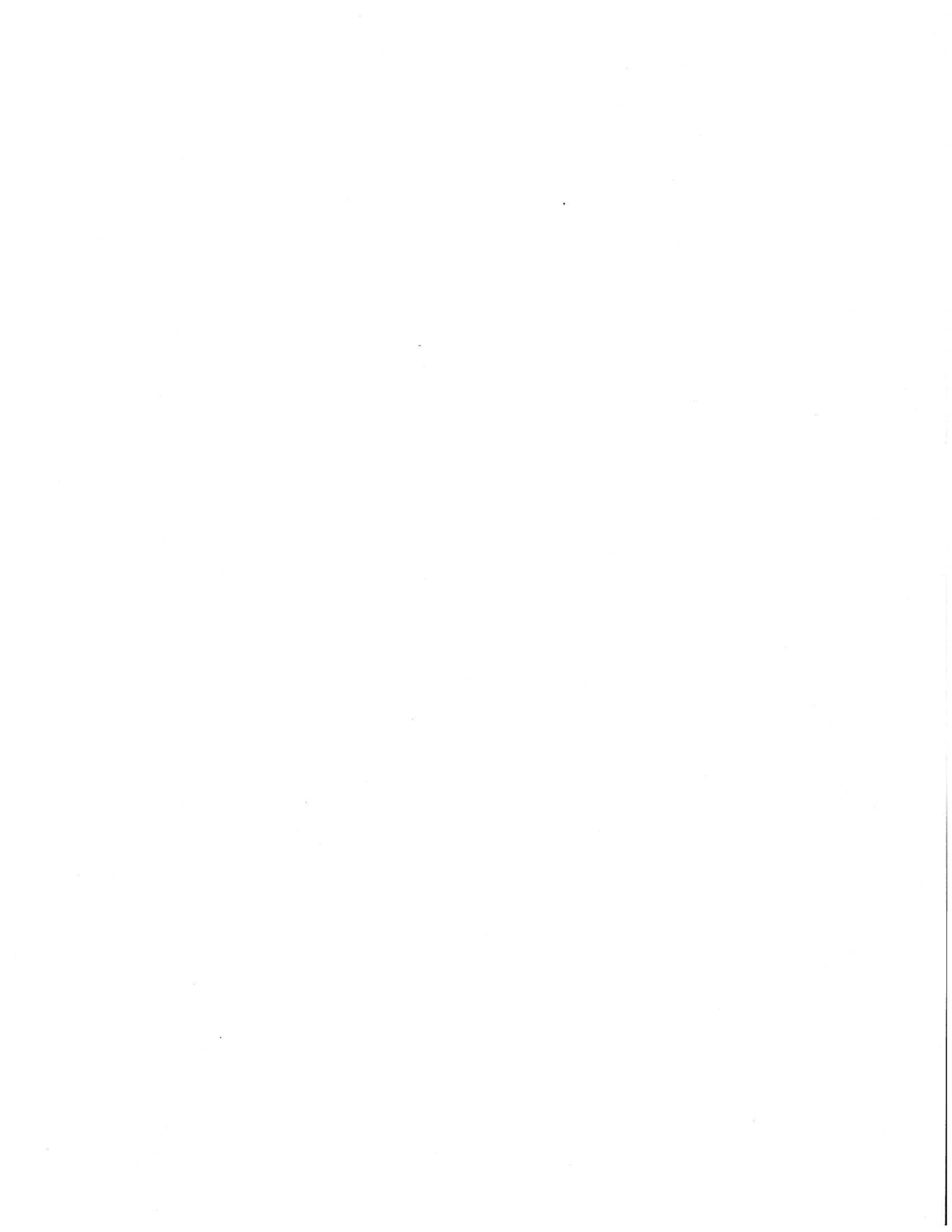


CITY OF MOUNTAIN VIEW

COMMUNITY DEVELOPMENT DEPARTMENT

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CHAPTER 1 PURPOSE

The purpose of the Water Conservation in Landscape Regulations is to reduce water waste in landscaping by promoting the use of region-appropriate plants that require minimal supplemental irrigation and by establishing standards for irrigation efficiency.

These regulations supplement the City of Mountain View's Zoning Ordinance (Title 36 of the Municipal Code) by providing detailed requirements for landscaping and irrigation systems for select new and rehabilitated landscape areas. These regulations further the City's current water conservation efforts, reduce future water demands and comply with State water conservation requirements.

CHAPTER 2 APPLICABILITY

- A. The provisions of these regulations apply to the following:
1. New and/or rehabilitated landscaping associated with any project requiring a Zoning Permit, where the affected landscape area is 1,000 square feet or greater.
 2. New and/or rehabilitated landscape projects at City facilities where the affected landscape area is 1,000 square feet or greater.
- B. The provisions of these regulations shall not apply to the following:
1. Any project requiring a Zoning Permit, or at a City facility, where new and/or rehabilitated landscaping is less than 1,000 square feet.
 2. Registered local, State or Federal historical sites where landscaping establishes a historical landscape style as determined by a public board, committee or commission responsible for architectural review or historic preservation.
 3. Ecological restoration projects that do not require a permanent irrigation system.
 4. Community gardens, demonstration gardens or plant collections open to the public.
 5. Any commercial cultivation of agricultural products; including, but not limited to, products of farms, orchards, production nurseries and forests.

CHAPTER 3 DEMONSTRATION OF LANDSCAPE WATER EFFICIENCY

Applicants of projects subject to these regulations may choose one of the following two options to demonstrate that a landscape proposal meets the water efficiency goals of these regulations. In both cases, applicants must meet all other applicable design criteria listed in Chapter 4 (Water-Efficient Design Elements) and all maintenance requirements listed in Chapter 5 (Landscape and Irrigation Maintenance). Demonstration of landscape water efficiency shall only be for the affected landscape area under review and not total available landscape area.

- A. **Plant-Type Restriction Option:** The Landscape Project Submittal and any accompanying documentation must demonstrate all of the following as a means of achieving water efficiency. In addition, all other applicable design criteria of Chapter 4 (Water-Efficient Design Elements) shall be met:
 - 1. The total area of high-water-use plants (e.g., turf and water features) shall not exceed 25 percent of the landscape area.
 - 2. At least 80 percent of the remaining landscape area shall be native plants or low-water-using plants.

- B. **Water Budget Option:** Project applicants may elect to prepare a Water Budget Calculation, per the provisions of Chapter 10 (Water Budget Calculation), as a means of demonstrating water efficiency.

CHAPTER 4 WATER-EFFICIENT DESIGN ELEMENTS

The elements of a landscape design shall be designed to achieve water efficiency consistent with the intent of these regulations. Applicants of projects subject to these regulations shall demonstrate water efficiency through the preparation of a Landscape Project Submittal, pursuant to Chapter 6 (Components of a Landscape Project Submittal).

- A. **Plant Material:**
 - 1. Plants shall be chosen and arranged appropriately based upon the site's climate, soil characteristics, sun exposure and other factors. Plants with similar water needs shall be grouped (within hydro zones).

2. The total area of high-water-use plants (e.g., turf and water features) shall not be more than 25 percent of the landscape area, unless a Water Budget Calculation is developed and the estimated total water use (ETWU) of the landscape area does not exceed the maximum applied water allowance (MAWA).
3. A minimum of 80 percent of the remaining landscape area shall be native plants or low-water-using plants, unless a Water Budget Calculation is developed and the ETWU of the landscape area does not exceed the MAWA.
4. Turf shall not be planted on slopes greater than 25 percent, except as part of a defined amphitheater.
5. Turf areas shall not be less than eight feet (8') wide, unless irrigated with subsurface irrigation or other low-volume irrigation system.
6. The horticultural attributes of plant species (e.g., mature plant size, invasive roots, structural attributes) shall be considered in order to minimize the potential for damage to property or infrastructure (e.g., buildings, septic systems, sidewalks, power lines).
7. Fire-prone plant materials and highly flammable mulches are strongly discouraged.
8. Installation of invasive plant species and noxious weeds is strongly discouraged.
9. The architectural guidelines, conditions, covenants or restrictions (CC&Rs) of a common-interest development shall not supersede these regulations by either prohibiting low-water-use plants or including conditions that have the effect of restricting the use of low-water-use plants and/or irrigation systems.

B. Irrigation System: An irrigation system shall meet all the requirements listed in this chapter and the manufacturers' recommendations. The irrigation system and its related components shall be planned and designed to allow for proper installation, management and maintenance. Single-family residential projects that are submitted by or for an individual homeowner are not required to have irrigation systems (i.e., hand-watering is allowed). In addition:

1. Dedicated landscape water meters shall be required for landscape areas greater than 2,500 square feet (5,000 square feet for single-family homes).
2. All irrigation systems shall be equipped with automatic irrigation controllers utilizing weather or soil-moisture data.

3. Rain-sensing shutoff devices, either integral or auxiliary, that suspend or alter irrigation operation during unfavorable weather conditions shall be required on all irrigation systems.
4. The irrigation hardware for each hydro zone shall have a separate valve. Where feasible, trees shall be placed on separate valves from shrubs, groundcovers and turf.
5. The irrigation system shall be designed to prevent runoff, low head drainage, overspray or other similar conditions.
6. Low-volume irrigation shall be required in the following areas: on slopes greater than 25 percent (except in defined amphitheaters), within twenty-four inches (24") of a nonpervious surface (except adjacent to internal pathways) or in any narrow or irregularly shaped area that is less than eight feet (8') in width in any direction.
7. Average irrigation efficiency is assumed to be 70 percent. Irrigation systems shall be designed, maintained and managed to meet or exceed an average landscape irrigation efficiency of 70 percent.
8. Irrigation shall be scheduled between 8:00 p.m. and 10:00 a.m. in order to prevent evaporative water loss from irrigation, unless unfavorable weather prevents it or otherwise renders irrigation unnecessary. Operation of the irrigation system outside the normal watering window is allowed for auditing and system maintenance.

C. Mulch:

1. A minimum three-inch (3") layer of mulch shall be applied on all exposed soil surfaces of planting areas in order to prevent evaporative water loss from exposed soil, except in areas of direct seeding application (e.g. hydroseed).

D. Hydro Zones:

1. Hydro zones shall group plant materials of similar water use and shall generally demarcate areas of similar slope, sun exposure, soil and other site conditions appropriate for the selected plants.
2. The flow of water to each hydro zone shall be controlled by a separate valve.
3. Sprinkler heads and other water emission devices shall be selected based on what is appropriate for the plant type within that hydro zone.

4. Within a hydro zone, low- and moderate-water-use plants may be mixed, but all plants within that hydro zone shall be classified as moderate water use for MAWA calculations. High-water-use plants shall not be mixed with low- or moderate-water-use plants.

E. Water Features:

1. Recirculating water systems shall be used for water features.
2. The wet-surface area of a water feature shall be counted as an area of high-water-using plants for purposes of the plant-type restriction and the water budget calculation.
3. Pool and spa covers are highly recommended to prevent evaporative water loss from the exposed water surface.

CHAPTER 5 LANDSCAPE AND IRRIGATION MAINTENANCE

Landscapes shall be maintained to ensure successful establishment following installation and to ensure the efficient use of water consistent with these regulations.

- A. Maintenance shall include, but not be limited to, the following: routine inspection; pressure testing, adjustment and repair of the irrigation system; aerating and dethatching turf areas; replenishing mulch; fertilizing; pruning; replanting of failed plants; weeding; pest control; and removing obstructions to water emission devices.
- B. Failed plants shall be replaced with the same or functionally equivalent plants that may be size-adjusted as appropriate for the stage of growth of the overall installation. Failing plants shall either be replaced or be revived through appropriate adjustments in water, nutrients, pest control or other factors as recommended by a landscaping professional.
- C. Failed irrigation hardware components shall be replaced with the same or functionally equivalent components.

CHAPTER 6

COMPONENTS OF A LANDSCAPE PROJECT SUBMITTAL

The Landscape Project Submittal for all projects subject to these regulations shall contain the following items and shall be submitted to the City of Mountain View Planning Division as part of the zoning permit application:

- A. **Water-Efficient Design and Maintenance Checklist** (Chapter 8).
- B. **Landscape and Irrigation Design Plans** (Chapter 9).
- C. **Water Budget Calculation** (Chapter 10). Not required if plant-type restriction option is utilized.
- D. **Certification of Installation** (Chapter 11). Shall be submitted following installation of landscaping materials and irrigation hardware.

CHAPTER 7

PREPARATION OF A LANDSCAPE PROJECT SUBMITTAL

The Landscape Project Submittal for all projects subject to these regulations shall be prepared by the following individual(s):

- A. For a project with a landscape area of at least 1,000 square feet but less than 2,500 square feet, the Landscape Project Submittal may be prepared by the project applicant or by a certified or authorized professional(s).
- B. For a project with a landscape area of 2,500 square feet or greater, the Landscape Project Submittal must be prepared by a certified or authorized professional(s).

CHAPTER 8

WATER-EFFICIENT DESIGN AND MAINTENANCE CHECKLIST

A completed water-efficient design and maintenance checklist is required of all projects subject to these regulations. The checklist shall serve as a self-certification of consistency with the water-efficiency requirements of these regulations.

CHAPTER 9 LANDSCAPE AND IRRIGATION DESIGN PLANS

Landscape and Irrigation Design Plans are required of all projects subject to these regulations. The Landscape and Irrigation Design Plans shall be prepared as follows:

- A. Landscape and Irrigation Design Plans shall incorporate all applicable elements of Chapter 4 (Water-Efficient Design Elements).
- B. The landscape design portion of the Landscape and Irrigation Design Plans, at a minimum, shall:
 - 1. Provide basic project information, such as applicant name, project contacts, site address, total landscape area, total turf area and irrigation water source (e.g. municipal, recycled).
 - 2. Identify, in table form, all plants to be installed as part of the project. The table shall include the following:
 - i. Symbol (representing the plant on the plan).
 - ii. Common name.
 - iii. Botanical name.
 - iv. Container size.
 - v. Quantity.
 - vi. Type (e.g. grass, succulent, vine, shrub, tree).
 - vii. Water-efficient species identification. All "native" and "low-water-use" plant species (defined in Chapter 17) shall be labeled.
 - viii. Unique physical specifications of plants (e.g., bare-root, field-potted, multi-trunk), if applicable.
 - 3. Delineate and label each hydro zone.
 - 4. Identify each hydro zone as low water, moderate water, high water, or mixed (low/moderate) water use.
 - 5. Identify special landscape areas.

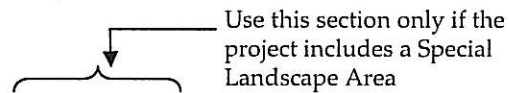
6. Identify type of mulch and application depth.
 7. Identify type and wet-surface area of water features.
 8. Identify hardscapes (pervious and nonpervious).
- C. The irrigation design portion of the Landscape and Irrigation Design Plans, at a minimum, shall contain:
1. Location, type and size of all components of the irrigation system, including controllers, main and lateral lines, valves, sprinkler heads, moisture-sensing devices, rain sensors, quick couplers, pressure regulators and backflow prevention devices.
 2. Static water pressure at the point of connection to the public water supply.
 3. Flow rate (gallons per minute), application rate (inches per hour), and design operating pressure (pressure per square inch) for each station.
 4. Irrigation schedule.
 5. Location and size of separate water meters for landscape (if applicable).
- D. **Grading.** If the landscape area will be graded, then, at a minimum, grading contours and quantities shall be shown on the landscape portion of the Landscape and Irrigation Design Plans. Grading shall meet all applicable requirements of the City of Mountain View Standard Design Criteria.
- E. **Storm Water Management.** Storm water Best Management Practices shall be incorporated, as appropriate, into the landscape installation, the details of which shall be shown on the landscape portion of the Landscape and Irrigation Design Plans. Installation shall be subject to the City of Mountain View's National Pollutant Discharge Elimination System (NPDES) storm water discharge permit requirements.

CHAPTER 10 WATER BUDGET CALCULATION

A Water Budget Calculation worksheet will be developed by the City of Mountain View and provided by the Planning Division to all project applicants. Applicants may elect to complete a Water Budget Calculation for the project. When a Water Budget is prepared

for landscape areas equal to or greater than 2,500 square feet, it must be completed by a certified or authorized professional. A Water Budget Calculation shall adhere to the following requirements:

- A. The plant factor shall be based on the species evaluation list from the Water Use Classification of Landscape Species (WUCOLS), and shall be 0.3 for low-water-use plants, 0.5 for moderate-water-use plants and 0.8 for high-water-use plants.
- B. The wet-surface area of a water feature shall be counted as an area of high-water-using plants for purposes of a Water Budget Calculation.
- C. Where low- and moderate-water-use plants are to be mixed within a single hydro zone, the entire hydro zone area shall be classified as moderate water use for purposes of a Water Budget Calculation. High-water-use plants shall not be mixed with low- or moderate-water-use plants.
- D. All special landscape areas (SLA) shall be identified and their water use included in the Water Budget Calculation.
- E. The reference evapotranspiration adjustment factor (ETAF) for SLAs shall not exceed 1.0. The ETAF for the remaining landscaped area shall not exceed 0.7.
- F. Irrigation system efficiency shall be greater than or equal to 70 percent.
- G. MAWA shall be calculated using the equation below:



$$MAWA = (ET_o) (0.62) [(0.7 \times LA) + (0.3 \times SLA)]$$

Where:

- MAWA = Maximum Applied Water Allowance (gallons per year)
- ET_o = Reference Evapotranspiration (inches per year)
- 0.62 = Conversion Factor (inches per square foot to gallons)
- 0.7 = Reference Evapotranspiration Adjustment Factor (ETAF)
- LA = Landscape Area including SLA (square feet)
- 0.3 = Additional Water Allowance for SLA
- SLA = Special Landscape Area (square feet)

An ET_o of 43" per year shall be used in Water Budget Calculations for all projects located within the City of Mountain View.

H. ETWU shall be calculated for each hydro zone using the equation below. The sum of the ETWU calculated for all hydro zones shall not exceed the MAWA.

$$ETWU = (43)(0.62) \left(\frac{PF \times HA}{IE} \right) + \overbrace{(43)(0.62)(SLA)}$$

Use this section only if the project includes a Special Landscape Area

Where:

- ETWU = Estimated Total Water Use per year (gallons per year)
- ETo = Reference Evapotranspiration (inches per year)
- PF = Plant Factor from WUCOLS
- HA = Hydro Zone Area [high-, medium-, low- and mixed-water-use areas] (square feet)
- SLA = Special Landscape Area (square feet)
- 0.62 = Conversion Factor (inches per square foot to gallons)
- IE = Irrigation Efficiency (minimum 0.70)

An ETo of 43" per year shall be used in Water Budget Calculations for all projects located within the City of Mountain View.

CHAPTER 11 CERTIFICATION OF INSTALLATION

A completed Certification of Installation form, provided by the Planning Division, shall be submitted to the Planning Division for all projects within 60 days of installation of the landscape material and irrigation hardware. The Certification of Installation shall verify the following: inspection to confirm that the landscaping and irrigation system was installed as specified in the landscape and irrigation design plan; system test with distribution uniformity; system tune-up to reduce overspray or runoff that causes overland flow; and preparation of a recommended irrigation schedule.

CHAPTER 12 AUDIT OF EXISTING LANDSCAPES

The City of Mountain View shall be authorized to require irrigation audits to evaluate water use on established landscapes larger than one (1) acre. Such audits may also be initiated as a coordinated effort between the City of Mountain View and another entity (e.g., Santa Clara Valley Water District or the Bay Area Water Supply and Conservation Agency), as part of an established outdoor water conservation program. When an irrigation audit is required, it must be completed by a certified landscape irrigation auditor.

CHAPTER 13 PUBLIC EDUCATION

- A. The City of Mountain View shall provide to all project applicants and members of the public information regarding the design, installation, management and maintenance of water-efficient landscapes and irrigation systems.
- B. All model homes that are landscaped shall have signs installed that provide information identifying the common and biological names of plants and the principles of water-efficient landscaping used at the site.

CHAPTER 14 PENALTIES

The penalties for violations set forth in Sections 1.7 and A36.92.050 of the City of Mountain View Municipal Code shall apply to violations of the provisions of these regulations.

CHAPTER 15 EXCEPTIONS

Exceptions to these regulations shall be subject to review and approval by the City Council.

CHAPTER 16 RELATIONSHIP TO THE ZONING ORDINANCE

Standards stated in the Zoning Ordinance (Title 36 of the Mountain View Municipal Code) that are not specified in this section shall remain applicable. In the case of conflict between these regulations and the Zoning Ordinance, the standards contained herein shall govern.

CHAPTER 17 DEFINITIONS

The definitions of terms in this Chapter shall apply wherever these terms appear within these regulations.

Applied Water. The portion of water supplied by the irrigation system to the landscape.

Amphitheater. An open-air venue for sports, concerts or theatrical performances.

Automatic Irrigation Controller. An automatic timing device used to remotely control valves that operate an irrigation system. Automatic irrigation controllers schedule irrigation events using either evapotranspiration (weather-based) or soil moisture data.

Backflow Prevention Device. A safety device used to prevent pollution or contamination of the water supply due to the reverse flow of water from the irrigation system.

Certified Irrigation Designer. A person certified to design irrigation systems by an accredited academic institution, a professional trade organization or other program such as the U.S. Environmental Protection Agency's WaterSense irrigation designer certification program and Irrigation Association's Certified Irrigation Designer program.

Certified Landscape Irrigation Auditor. A person certified to perform landscape irrigation audits by an accredited academic institution, a professional trade organization or other program such as the U.S. Environmental Protection Agency's WaterSense irrigation auditor certification program and Irrigation Association's Certified Landscape Irrigation Auditor program.

Certified or Authorized Professional. A certified irrigation designer, certified landscape irrigation auditor, licensed landscape architect, licensed landscape contractor, licensed professional engineer or any other person authorized by the State of California to design a landscape, an irrigation system or authorized to complete a water budget.

Conversion Factor. The number (0.62) that converts inches per square foot to gallons per square foot.

Dedicated Landscape Meter. A water meter used to measure water use in landscape areas. May also include ancillary potable uses such as drinking fountains.

Ecological Restoration Project. A project where the site is intentionally altered to establish a defined, indigenous, historic ecosystem.

Estimated Total Water Use (ETWU). The total water used for the landscape as described in Chapter 10: Water Budget Calculation.

Evapotranspiration Adjustment Factor (ETAF). A factor of 0.7 that, when applied to reference evapotranspiration, adjusts for plant factors and irrigation efficiency, two major influences upon the amount of water that needs to be applied to the landscape. ETAF for a SLA shall not exceed 1.0.

Gray Water. Untreated wastewater of a quality suitable for nonpotable uses (e.g., has not been contaminated by toilet discharge or food products). Gray water includes, but is not limited to, wastewater from bathtubs, showers, bathroom wash basins, clothes washing machines and laundry tubs. Gray water does not include wastewater from toilets, kitchen sinks or dishwashers.

Hardscape. Any constructed feature in a landscape built of concrete, stone, wood or other such pervious or nonpervious durable material. Includes, but is not limited to, patios, walkways and retaining walls.

High-Water-Use Plant. A plant species classified as "high water use" by WUCOLS, having a regionally adjusted plant factor of 0.7 through 0.9.

Hydro Zone. A portion of the landscaped area having plants with similar water needs. A hydro zone may be irrigated or nonirrigated.

Internal Pathway. A permeable or nonpermeable hardscape used for walking, driving or biking through a large landscape area.

Invasive Plant Species. Species of plants listed in the invasive plant inventory of the California Invasive Plant Council (IPC) that have been identified as invasive to areas within the IPC-delineated Central West (CW) region.

Irrigation Audit. An in-depth evaluation of the performance of an irrigation system performed by a certified landscape irrigation auditor. An irrigation audit includes, but is not limited to: inspection, system tune-up, system test with distribution uniformity or emission uniformity, reporting overspray or runoff that causes overland flow and preparation of an irrigation schedule.

Irrigation Efficiency (IE). The measurement of the amount of water beneficially used divided by the amount of water applied. Irrigation efficiency is derived from measurements and estimates of irrigation system characteristics and management practices. The minimum average irrigation efficiency for purposes of these regulations is 70 percent. Greater irrigation efficiency can be expected from well-designed and maintained systems.

Landscape Architect. A person who holds a license to practice landscape architecture in California as further defined by the California Business and Professions Code, Section 5615.

Landscape Area. All of the affected planting areas, turf areas and water features in a landscape installation. The landscape area does not include existing plants or water features, footprints of buildings or structures, sidewalks, driveways, parking lots, decks,

patios, gravel or stone walks, pervious or nonpervious hardscapes, and other nonirrigated natural landscape areas (e.g., existing wild-land vegetation).

Landscape Contractor. A person licensed by the State of California to construct, maintain, repair, install or subcontract the development of landscape systems.

Lateral Line. The water delivery pipeline that supplies water to the emitters or sprinklers from the valve.

Low-Water-Use Plant. A plant species whose demonstrated water needs are compatible with local climate and soil conditions such that regular supplemental irrigation is not required to sustain the plant after it has become established. Species classified as "very low-water-use" and "low-water-use" by WUCOLS, having a regionally adjusted plant factor of 0.0 through 0.3, shall be considered low-water-use plants.

Low-Volume Irrigation. The application of irrigation water at low pressure through a system of tubing or lateral lines and low-volume emitters such as drip, drip lines and bubblers. Low-volume irrigation systems are specifically designed to apply small volumes of water slowly at or near the root zone of plants.

Maximum Applied Water Allowance (MAWA). The upper limit of annual applied water for the established landscaped area as specified in Chapter 10 (Water Budget Calculation).

Model Home. A home or group of homes used to display homes for sale in a subdivision. A model home is used to show the living space and features of different models of homes available to the consumer.

Mulch. Any organic material such as leaves, bark, straw, compost, or inorganic mineral materials such as rocks, gravel, and decomposed granite left loose and applied to the soil surface for the beneficial purposes of reducing evaporation, suppressing weeds, moderating soil temperature and preventing soil erosion.

Native Plant. A plant indigenous to a specific area of consideration. For the purpose of these regulations, the term will refer to plants indigenous to the coastal ranges of Central and Northern California, and more specifically to such plants that are suited to the ecology of the present or historic natural community of the project's vicinity.

Nonpotable Water. Includes recycled water, gray water or rainwater. For the purposes of these regulations, nonpotable water does not include private groundwater supplies.

Noxious Weed. Any weed designated by the weed control regulations in the Weed Control Act and identified on a regional district noxious weed control list.

Operating Pressure. The pressure at which the parts of an irrigation system are designed by the manufacturer to operate.

Overspray. Irrigation water that is delivered beyond the target area.

Plant Factor. A numerical factor, when multiplied by reference evapotranspiration (ET_o), estimates the amount of water needed by plants. Plant factors are based on the publication "Water Use Classification of Landscape Species" (WUCOLS).

Project Applicant. The individual or entity submitting a Landscape Project Submittal. A project applicant may be the property owner or his or her designee.

Rain Sensor or Rain-Sensing Shutoff Device. A component that automatically suspends an irrigation event when it rains.

Recycled Water. Treated wastewater of a quality suitable for nonpotable uses, including landscape irrigation and water features.

Reference Evapotranspiration (ET_o). A standard measurement of environmental parameters that affect the water use of plants. ET_o is an estimate of the evapotranspiration of a large field of four-inch (4") to seven-inch (7") tall, cool-season grass that is well-watered. For the purpose of a Water Budget Calculation, an ET_o of 43" shall be used for projects located within the City of Mountain View.

Rehabilitated Landscape. Modification of existing landscapes; includes any area where new landscape is installed.

Runoff. Water that is not absorbed by the soil or landscape to which it is applied and flows from the landscape area.

Single-Family Home. A detached building designed for and/or occupied exclusively by one family.

Soil Moisture Sensor. A device that measures the amount of water in the soil.

Special Landscape Area (SLA). An area of the landscape dedicated solely to edible plants, areas irrigated with nonpotable water, water features using nonpotable water and areas dedicated to active play such as parks, sports fields, golf courses and where turf provides a playing surface. Front and back lawns of private residences are not considered Special Landscape Areas.

Sprinkler Head. A device that delivers water through a nozzle.

Station. An area served by one valve or by a set of valves that operate simultaneously.

Turf. A ground cover surface consisting of nonnative grass species that is customarily mowed. Annual bluegrass, Kentucky bluegrass, perennial ryegrass, red fescue and tall fescue are examples of cool-season turf grasses. Bermuda grass, kikuyu grass, seashore paspalum, St. Augustine grass, zoysia grass and buffalo grass are warm-season turf grasses.

Valve. A device used to control the flow of water in the irrigation system.

Water Feature. A landscape design element where open water performs an aesthetic or recreational function. Water features include swimming pools, spas, ponds, fountains, waterfalls and artificial streams. Water features do not include manually operated water play areas in public parks.

Wet-Surface Area. The surface area of that portion of a water feature that functions to contain water, such as the water surface of a swimming pool, spa or garden pond. For a fountain or other feature with flowing water, wet-surface area shall be measured as a two-dimensional plane bounded by the perimeter of the area where water has been designed to flow.

WUCOLS. The "Water Use Classification of Landscape Species" published by the University of California Cooperative Extension, the Department of Water Resources and the Bureau of Reclamation, 2000.

Zoning Permit. A legal document that gives permission for a use or development on a particular piece of land, including, but not limited to, Development Review Permits, Planned Unit Development Permits, Planned Community Permits and Conditional Use Permits.

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WATER CONSERVATION IN LANDSCAPING REGULATIONS "GETTING STARTED"

The following steps are intended to help you get started with the City of Mountain View's new Water Conservation in Landscaping Regulations. In order to fully comply with the regulations, you will need to obtain a complete package from the City of Mountain View Planning Division.

Step 1: Determine whether you are subject to the regulations.

If your project requires a Planning Permit and has new or rehabilitated landscape area of 1,000 square feet or more, your project is likely subject to the Water Conservation in Landscaping Regulations. If your project's affected landscape area is 2,500 square feet or more, you will need the help of a certified or authorized professional to complete the required documentation.

Step 2: Choose whether to restrict turf area or calculate a water budget.

If your project is subject to the Water Conservation in Landscaping Regulations, you have two options for complying with the regulations. These options are listed below as *Option 1* and *Option 2*. Irrespective of which option you choose, you must also do the following:

- A. Adhere to the Water-Efficient Design Elements and Landscape Irrigation Maintenance requirements, and
- B. Complete all components of a Landscape Project Submittal.

Details of the Water-Efficient Design Elements, Landscape Irrigation Maintenance requirements and the Landscape Project Submittal can be found in the Water Conservation in Landscaping Regulations.

Option 1: Plant-type restriction option

The simplest way to comply with the Water Conservation in Landscaping Regulations is to meet the following two restrictions:

- A. High-water-use plants (e.g., turf) may not exceed 25 percent of the landscape area, and
- B. At least 80 percent of nonturf plantings must be California native or low-water-use plants.



Option 2: Water budget option

If you would like more high-water-use plants than is allowed under the plant-type restriction option (*Option 1*), you may elect to complete a Water Budget Calculation instead of complying with the plant-type restriction option. The results of your Water Budget Calculation must demonstrate that your proposed landscape will not use more water than an equivalent-sized landscape with equal parts high-, low-, and moderate-water-use plants. A complete explanation how to prepare a Water Budget Calculation can be found in Chapter 10 of the Water Conservation in Landscaping Regulations and in the Water Budget Calculation Worksheet provided by the City.

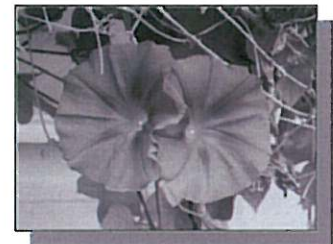


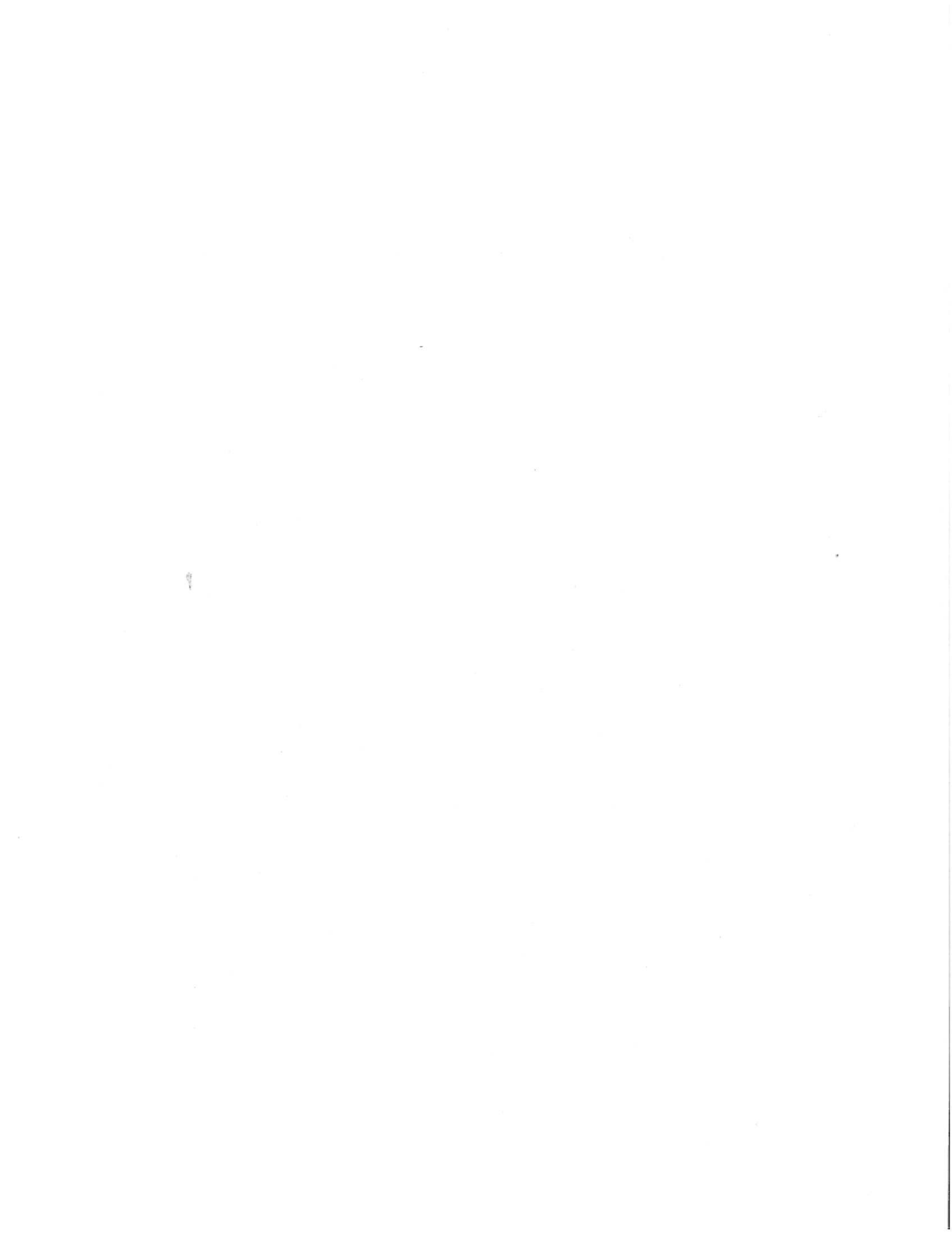
Step 3: Prepare a Landscape Project Submittal.

Your Landscape Project Submittal must contain the following items:

- A. Water-Efficient Design and Maintenance Checklist
- B. Landscape and Irrigation Design Plans
- C. Certification of Installation
- D. Water Budget Calculations (if *Option 2* is chosen during Step 2)

A complete description of the required elements of a Landscape Project Submittal is contained in the Water Conservation in Landscaping Regulations.







WATER-EFFICIENT DESIGN AND MAINTENANCE CHECKLIST

Applicant Name: _____ Phone: _____ E-mail: _____

Project Site Address: _____

Total Landscape Area (square feet): _____ Turf Area: _____ Nonturf Plant Area: _____

Special Landscape Area: _____ Water Feature Wet Surface Area: _____

Water-Efficient Design

Parameter	Requirements	Compliance
Plantings	Total area of high water use plantings (including turf and water features) is less than 25 percent of the landscape area	<input type="checkbox"/> Yes <input type="checkbox"/> No—See Water Budget
	At least 80 percent of nonturf area is native or low-water-use plants	<input type="checkbox"/> Yes <input type="checkbox"/> No—See Water Budget
Turf	All turf areas are greater than 8' wide (unless irrigated with subsurface irrigation or other low volume irrigation system)	<input type="checkbox"/> Yes
	All turf is planted on slopes less than 25 percent (except in defined amphitheaters)	<input type="checkbox"/> Yes
Hydro Zones	Plants are grouped by hydro zones	<input type="checkbox"/> Yes
	Each hydro zone is controlled by a separate irrigation valve	<input type="checkbox"/> Yes
Mulch	At least 3" of mulch is used on exposed soil surfaces	<input type="checkbox"/> Yes
Irrigation System	Designed to avoid overspray and runoff	<input type="checkbox"/> Yes
	Automatic irrigation controllers (e.g., utilizing weather or soil-moisture data)	<input type="checkbox"/> Yes
	Rain sensor shutoffs	<input type="checkbox"/> Yes
	No overhead irrigation is used in the following locations: on slopes greater than 25 percent (except in defined amphitheaters), within 24" of a nonpervious surface (except adjacent to internal pathways), or in any narrow or irregularly shaped area that is less than 8' in width in any direction.	<input type="checkbox"/> Yes
	System only operates between 8:00 p.m. and 10:00 a.m.	<input type="checkbox"/> Yes
Metering	Separate irrigation meter for landscape areas of 2,500 square feet or more (5,000 square feet for single-family homes)	<input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable
Water Features	Recirculating	<input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable
	Pool/spa cover	<input type="checkbox"/> Yes <input type="checkbox"/> Not Applicable

I certify that information provided on this checklist is correct and meets the specified requirements of the Water Conservation in Landscaping Regulations.

Signature of Project Applicant or Authorized Representative

Date

Landscape and Irrigation Maintenance

Pursuant to the City of Mountain View's Water Conservation in Landscaping Regulations, landscapes and irrigation systems shall be maintained to ensure successful establishment following installation, and to ensure the efficient use of water. Maintenance shall be performed regularly and must include, at a minimum, the following components:

Parameter	Components	
Irrigation System	System check (every six months)	<input type="checkbox"/>
	Routine inspection (monthly)	<input type="checkbox"/>
	Adjustment and repair	<input type="checkbox"/>
	Failed irrigation hardware components shall be replaced with the same or functionally equivalent components	<input type="checkbox"/>
Landscape	Replenish mulch	<input type="checkbox"/>
	Fertilize	<input type="checkbox"/>
	Prune	<input type="checkbox"/>
	Weed control	<input type="checkbox"/>
	Pest control	<input type="checkbox"/>
	Aeration and dethatching of turf areas	<input type="checkbox"/>
	Failed plants shall be replaced with the same or functionally equivalent plants	<input type="checkbox"/>

To the best of my ability, the landscape and irrigation systems installed as part of this project will be maintained on a regular basis and in compliance with the Water Conservation in Landscaping Regulations.

Signature of Project Applicant or Authorized Representative

Date

Staff Evaluation (to be completed by City of Mountain View staff)

Documentation	Completed by Project Applicant	Completed by Certified or Authorized Professional
Water-Efficient Design and Maintenance Checklist	<input type="checkbox"/>	<input type="checkbox"/>
Landscape and Irrigation Design Plans	<input type="checkbox"/>	<input type="checkbox"/>
Certification of Installation (submitted within 60 days of installation)	<input type="checkbox"/>	<input type="checkbox"/>
Water Budget Calculation (optional)	<input type="checkbox"/>	<input type="checkbox"/>

Single-Family
 Multi-Family
 Commercial
 Institutional
 Irrigation Only
 Industrial
 Other: _____

Number of Units (residential): _____

Number of Meters: _____

<input type="checkbox"/> Approved <input type="checkbox"/> Not Approved	Staff Comments: _____ Signature: _____ Date: _____
--	---



WATER BUDGET CALCULATION WORKSHEET

Applicant Name: _____ Phone: _____ E-mail: _____
 Project Site Address: _____

This worksheet is an optional element of the Landscape Project Submittal. If your project has elected to use the water budget option, please complete all sections (A, B, and C) of the worksheet. Please refer to the Water Conservation in Landscaping Regulations for definitions of terms used in this worksheet.

SECTION A. MAXIMUM APPLIED WATER ALLOWANCE (MAWA)

Please complete the information for each hydro zone listed in Table A-1. Use as many tables as necessary to provide the square footage of landscape area per hydro zone. Information entered into this table will be use for the calculations for the Maximum Applied Water Allowance (MAWA) below.

Table A-1. Hydro Zone Area Information

Plant Water Use Type ^(a)	Plant Type ^(b)	Hydro Zone Area <i>square feet</i>

Summary of Hydro Zone Area Information

Summary Area	Area <i>square feet</i>
Sum of Low-Water-Use Areas	
Sum of Moderate-Water-Use Areas	
Sum of High-Water-Use Areas	
Sum of Special Landscape Areas <i>[use this value for Table A-2]</i>	
Sum of all Landscape Areas <i>[use this value for Table A-2]</i>	

- (a) Plant Water Use Type
 HW = High-Water-Use Plants
 MW = Moderate-Water-Use Plants (includes mixed moderate-low plants)
 LW = Low-Water-Use Plants (includes very low-water-use plants)
 SLA = Special Landscape Area

- (b) Plant Type
 May include categories such as:
 - Native garden
 - Boxwood
 - Roses
 - Turf
 - Sports Field

SECTION A. MAXIMUM APPLIED WATER ALLOWANCE (MAWA) (CONTINUED)

The project's Maximum Applied Water Allowance shall be calculated using the following equation:

$$MAWA = (43) (0.62) [(0.7 \times LA) + (0.3 \times SLA)]$$

Where:

- MAWA = Maximum Applied Water Allowance (gallons per year)
- 43 = Reference Evapotranspiration (ETo) for the City of Mountain View (inches per year)
- 0.62 = Conversion Factor (to gallons per square foot)
- 0.7 = ET Adjustment Factor (ETAF)
- LA = Landscaped Area (includes Special Landscape Area; in square feet)
- 0.3 = The Additional ET Adjustment Factor for Special Landscape Area (1.0 - 0.7 = 0.3)
- SLA = Portion of the Landscape Area Identified as Special Landscape Area (square feet)

Use Table A-2 below to identify the input values for the MAWA calculation.

Table A-2. Input Values for the MAWA Calculation

ETo <i>inches</i>	Conversion Factor	Landscape Area (LA) <i>square feet</i>	Special Landscape Area (SLA) <i>square feet</i>
43	0.62	<i>[enter from Table A-1]</i>	<i>[enter from Table A-1]</i>

Show calculations for the Maximum Applied Water Allowance.

$MAWA = (43) (0.62) [(0.7 \times LA) + (0.3 \times SLA)]$

Maximum Applied Water Allowance = _____ gallons per year.

SECTION B. ESTIMATED TOTAL WATER USE (ETWU)

Please complete the plant factor and irrigation system information for your landscape. Use as many tables as necessary. Information entered into the tables below will be use for Estimated Total Water Use (ETWU) calculations below.

Table B-1. Plant Factor and Irrigation System Information

	Plant Water Use Type ^(a)	Plant Type ^(b)	Plant Factor (PF) ^(c)	Hydro Zone Area (HA) square feet	Irrigation Method ^(d)	Irrigation Efficiency (IE) ^(e) [minimum of 70%]
1						
2						
3						
SLA	SLA		1.0			

(a) Plant Water Use Type

Plant water use types shall be obtained from the species evaluation list in WUCOLS (Region 1)

HW = High-Water-Use Plants

MW = Moderate-Water-Use Plants (includes mixed moderate-low plants)

LW = Low-Water-Use Plants (includes very low-water-use plants)

SLA = Special Landscape Area

(b) Plant Type

May include categories such as:

- Native garden

- Boxwood

- Roses

- Turf

- Sports Field

(c) Plant Factor

The following plant factors shall be used:

LW = 0.3

MW = 0.5

HW = 0.8

SLA = 1.0

(d) Irrigation Method

MS = Micro-spray

S = Spray

R = Rotor

B = Bubbler

D = Drip

O = Other (specify)

(e) Irrigation Efficiency

Below are typical irrigation efficiencies:

MS = 65%

S = 65% (for turf) or 80% (for shrubs)

R = 75%

B = 85%

D = 85%

The project's Estimated Total Water Use shall be calculated using the following equation:

$$ETWU = (43)(0.62) \left(\frac{PF \times HA}{IE} \right) + (43)(0.62)(SLA)$$

Use only if the project includes a Special Landscape Area

Where:

- ETWU = Estimated Total Water Use Per Year (gallons per year)
- 43 = Reference Evapotranspiration (ET_o) for the City of Mountain View (inches per year)
- 0.62 = Conversion Factor (to gallons per square foot)
- PF = Plant Factor
- HA = Hydro Zone Area (square feet)
- IE = Irrigation Efficiency (minimum 0.7)
- SLA = Special Landscape Area (square feet)

SECTION B. ESTIMATED TOTAL WATER USE (ETWU) (CONTINUED)

Show calculations for the ETWU below (use as many pages as necessary).

$$ETWU_1 = (43)(0.62) \left(\frac{PF_1 \times HA_1}{IE_1} \right) =$$

$$ETWU_2 = (43)(0.62) \left(\frac{PF_2 \times HA_2}{IE_2} \right) =$$

$$ETWU_3 = (43)(0.62) \left(\frac{PF_3 \times HA_3}{IE_3} \right) =$$

$$ETWU_{SLA} = (43)(0.62)(SLA) =$$

	Sum of ETWU
--	-------------

Estimated Total Water Use = _____ gallons.

SECTION C. COMPARISON OF ETWU AND MAWA

Use this section to compare the calculated ETWU to the MAWA. The calculated ETWA may not exceed the calculated MAWA.

MAWA = _____ > ETWU = _____
 [from Section A] [from Section B]

EXAMPLE WATER BUDGET CALCULATION

SECTION A. MAXIMUM APPLIED WATER ALLOWANCE (MAWA)

Table A-1. Hydro Zone Area Information

Plant Water Use Type	Plant Type	Hydro Zone Area <i>square feet</i>
LW	Native Garden	1,500
MW	Boxwood	500
MW	Roses	500
HW	Turf	1,000

Summary of Hydro Zone Area Information

Plant Water Use Type	Area <i>square feet</i>
Sum of LW Areas	1,500
Sum of MW Areas	1,000
Sum of HW Areas	1,000
Sum of Special Landscape Areas	<i>[use this value for Table A-2]</i> 0
Sum of all Landscape Areas	<i>[use this value for Table A-2]</i> 3,500

Table A-2. Input Values for the MAWA Calculation

ET _o <i>inches</i>	Conversion Factor	Landscape Area (LA) <i>square feet</i>	Special Landscape Area (SLA) <i>square feet</i>
43	0.62	3,500	0

Calculations:

$$\begin{aligned}
 \text{MAWA} &= (43) (0.62) [(0.7 \times \text{LA}) + (0.3 \times \text{SLA})] \\
 &= (43) (0.62) [(0.7 \times 3,500) + (0.3 \times 0)] \\
 &= 65,317
 \end{aligned}$$

Maximum Applied Water Allowance = 65,317 gallons per year.

SECTION B. ESTIMATED TOTAL WATER USE (ETWU)

Table B-1. Plant Factor and Irrigation System Information

	Plant Water Use Type	Plant Type	Plant Factor (PF)	Hydro Zone Area (HA) square feet	Irrigation Method	Irrigation Efficiency (IE) [minimum of 70%]
1	LW	Native Garden	0.3	1,500	D	0.85
2	MW	Boxwood	0.5	500	S	0.80
3	MW	Roses	0.5	500	D	0.85
4	HW	Turf	0.8	1,000	S	0.65
SLA	SLA	NA	1.0	0	NA	NA

Calculations:

$$ETWU_1 = (43)(0.62) \left(\frac{PF_1 \times HA_1}{IE_1} \right) \qquad ETWU_1 = (43)(0.62) \left(\frac{0.3 \times 1,500}{0.85} \right) \qquad = 14,114$$

$$ETWU_2 = (43)(0.62) \left(\frac{PF_2 \times HA_2}{IE_2} \right) \qquad ETWU_2 = (43)(0.62) \left(\frac{0.5 \times 500}{0.80} \right) \qquad = 8,331$$

$$ETWU_3 = (43)(0.62) \left(\frac{PF_3 \times HA_3}{IE_3} \right) \qquad ETWU_3 = (43)(0.62) \left(\frac{0.5 \times 500}{0.85} \right) \qquad = 7,841$$

$$ETWU_4 = (43)(0.62) \left(\frac{PF_4 \times HA_4}{IE_4} \right) \qquad ETWU_4 = (43)(0.62) \left(\frac{0.8 \times 1,000}{0.65} \right) \qquad = 32,812$$

$$ETWU_{SLA} = (43)(0.62)(SLA) \qquad ETWU_{SLA} = (43)(0.62)(0) \qquad = 0$$

	Sum of ETWU	63,098
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Estimated Total Water Use = 63,098 gallons.

SECTION C. COMPARISON OF ETWU AND MAWA

MAWA = 65,317 > ETWU = 63,098



CERTIFICATION OF INSTALLATION

Applicant Name: _____ Phone: _____ E-mail: _____
Project Site Address: _____

Parameter	Requirements	Compliance
Landscape	Conforms with the Landscape Design Plan	<input type="checkbox"/> Yes
Irrigation System	Conforms with the Irrigation Design Plan	<input type="checkbox"/> Yes
	Performed system test and distribution uniformity	<input type="checkbox"/> Yes
	Performed system tune-up to reduce overspray and runoff	<input type="checkbox"/> Yes
	Prepared recommended irrigation schedule	<input type="checkbox"/> Yes

I certify that that, based upon periodic site observations, the landscape and irrigation system has been installed as specified in the Landscape and Irrigation Design Plans and complies with the criteria of the Water Conservation in Landscaping Regulations.

Signature of Project Applicant or Authorized Representative

Date

Sunnyvale Municipal Code

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Chapter 12.34. WATER CONSERVATION RESTRICTIONS

[12.34.010. Purpose and application.](#)

The purpose of this chapter is to identify and restrict nonessential water uses which, if allowed, would constitute wastage of the water supply of the city. The provisions of this chapter shall apply to all persons or entities using water obtained from the city of Sunnyvale both in and outside the city of Sunnyvale and within the city's water service area, and regardless of whether any person or entity using water has a contract for water service with the city. Use of water by the city itself shall be in conformance with a water conservation plan to be presented by the city manager to the city council for approval, and which shall essentially conform to the provisions of this chapter. This chapter is adopted pursuant to the provisions of Water Code Section 350, et seq., the city charter and the common law. (Ord. 2433-93 § 1 (part)).

[12.34.020. Nonessential uses prohibited.](#)

The following uses, methods, types or techniques of uses of water are hereby determined and declared nonessential, and except as expressly provided to the contrary, are hereby prohibited:

- (a) Allowing or maintaining broken or defective plumbing, sprinklers, watering or irrigation systems which permit the escape or leakage of potable water.
- (b) Using potable water in any manner which causes, allows or permits the flooding of any premises, or any portion thereof, or which causes, allows or permits water to escape from any premises or any portion thereof and flow into gutters, streets, or any surface water drainage system.
- (c) Using any hose or similar device using potable water for washing automobiles, trucks, buses, boats, trailers, equipment, recreational vehicles, mobilehomes or other vehicles or machinery, unless the hose or device is equipped with a positive automatic shutoff valve.
- (d) Using potable water to wash sidewalks, driveways, filling station aprons, patios, parking lots, porches or other paved or hard surfaced areas, unless there is a positive automatic shutoff valve on the outlet end of the hose.
- (e) The service of water by any restaurant or other eating or refreshment establishment to any patron, except upon the specific request by a patron for such services.
- (f) Installation of any single pass cooling process in new construction.
- (g) Any use of nonpotable water not in compliance with all federal, state and local laws, rules and regulations. Use of reclaimed water from the city's water pollution control plant shall be subject to the discretion of the director of public works. (Ord. 2433-93 § 1 (part)).

[12.34.030. Exceptions.](#)

- (a) The director of public works is hereby authorized to grant to any user an exception to the prohibitions set forth in Section 12.34.020, upon a finding by the director that such exception is necessary to prevent an emergency condition affecting the health, sanitation or fire protection of such user, and that the user to whom such adjustment or exception pertains has adopted or used all practicable water conservation measures.
- (b) Exceptions permitted hereunder shall be made only upon written application submitted to the director

setting forth a statement of justification for such exception. The director may attach conditions, specifications or other qualifying provisions to any exception granted. (Ord. 2433-93 § 1 (part)).

12.34.040. Penalty—Flow restricting devices.

(a) Upon a determination by the director of public works that a user has continuously or repeatedly violated or failed to comply with one or more provisions of Section 12.34.020, or of any conditions of any exception granted pursuant to the provisions of Section 12.34.030, the director may issue an order to cease and desist from continued or repeated violation, and further order such user to comply forthwith with such provisions or terms of exception, or otherwise to take appropriate remedial or preventive action. If after the issuance of such cease and desist order, such user continues to consume or use, or again consumes or uses water in violation of any such provision or condition of exception, the director may order the installation of a flow restricting device upon the water service line to the premises of such user. Such flow restricting device shall be installed and maintained for a period of not less than three days nor more than ten days for a first violation, and shall be installed and maintained for not less than ten days for each succeeding violation, and may be ordered to remain installed and maintained for a period of up to three months upon a finding by the director that any user is habitually in violation of any of the provisions of this chapter, or the provisions of any exception granted pursuant to Section 12.34.030.

(b) Prior to installation of any such flow restricting device, the director shall give written notice of intent to install such device, including the reasons for the proposed installation. The notice shall specify the date, time and place at which the user or other interested party may appear before the director to present any evidence or reasons why such installation should not occur. Instead of appearing, the user or other interested party may present written material to the director at or before the time specified. The installation of a flow restricting device shall not occur less than twenty-four hours after the time specified in the notice. The written notice shall be delivered personally, or by posting with the United States mail service, first class postage prepaid, certified mail, and addressed to the last known address of the user to whom given. Copies of the notice shall also be delivered personally or by mail as specified above, to the owner of the property on which the flow restrictor is proposed to be installed as shown on the last equalized assessment roll of the county assessor, county of Santa Clara, and to the person or entity shown on the latest city records as being responsible for payment of utility charges on such property, if either or both is different from the user to whom the notice is sent.

(c) There are hereby established, and there shall be imposed and levied charges in the amount of fifty dollars for each installation and fifty dollars for each removal of flow restricting devices under this section. (Ord. 2433-93 § 1 (part)).

12.34.050. Implementation.

The director of public works is authorized to delegate authority granted under this chapter to such deputies, officers, employees or agents of the city as the director shall designate, and to establish such rules, regulations and procedures, and to prepare or furnish such forms as the director deems necessary or appropriate to carry out the provisions of this chapter. (Ord. 2433-93 § 1 (part)).

12.34.060. Notices.

Except as otherwise provided, notices required to be given pursuant to the provisions of this chapter shall be in writing, may be combined with water service bills or other written communication, and shall be delivered personally, or by posting with the United States mail service, first class postage prepaid, and addressed to the last known address of the user to whom given, or to the owner of the premises to which the water service of such

user pertains, shown on the last equalized assessment roll of the county assessor, county of Santa Clara. (Ord. 2433-93 § 1 (part)).

[12.34.070. Violations.](#)

It is unlawful for any person, firm, partnership, association, corporation or political entity to use water obtained from the water system of the city of Sunnyvale in violation of any provision of this chapter or in violation of the conditions of any exception granted pursuant to Section 12.34.040 of this chapter. Use of water by any user in accordance with the provisions of any exception granted by the director shall not be deemed in violation of this chapter. Violations of this chapter shall be punishable as infractions. (Ord. 2433-93 § 1 (part)).

[12.34.080. Remedies cumulative.](#)

The remedies and penalties provided for in this chapter shall be cumulative and not exclusive, and shall be in addition to any or all other remedies available to the city. (Ord. 2433-93 § 1 (part)).