



## CHAPTER 8

### **WATER SHORTAGE CONTINGENCY PLAN**

#### LAY DESCRIPTION – CHAPTER 8

#### **WATER SHORTAGE CONTINGENCY PLAN**

Chapter 8 (Water Shortage Contingency Plan) of the District’s 2020 Plan discusses and provides the following:

- The District’s Water Shortage Contingency Plan is a detailed approach which presents how the District intends to act, or respond, in the case of an actual water shortage contingency.
- Preparation of the District’s “Annual Water Supply and Demand Assessment” (or Annual Assessment) is discussed. Commencing July 1, 2022, the District is required to submit the Annual Assessment. The Annual Assessment will include a review of the District’s “unconstrained” water demands for the current year and for a potential upcoming single dry year. Unconstrained water demands represent the District’s water demands prior to any “response actions” the District may invoke pursuant to the District’s Water Shortage Contingency Plan.
- The District will manage water supplies to minimize the adverse impacts of water shortages. The District’s plan for water usage during periods of shortage is designed to incorporate six standard water shortage levels corresponding to progressive ranges from up to a 10, 20, 30, 40, and 50 percent shortage, and greater than a 50 percent shortage.
- For each declared water supply shortage level, customers will be required to reduce their consumption by the percentage specified in the corresponding water supply shortage level.



- For each declared water supply shortage level, the District has established response actions to reduce demand on water supplies and to reduce any shortage gaps in water supplies. These demand reduction actions include irrigation and other outdoor use restrictions, and other water use prohibitions.
- The operational changes the District will consider in addressing water shortages on a short-term basis are discussed and include improved monitoring, analysis, and tracking of customer water usage to enforce demand reduction measures.
- The District's Emergency Response Plan is summarized. The Emergency Response Plan provides the management, procedures, and designated actions the District and its employees will implement during emergency situations (including catastrophic water shortages) resulting from natural disasters, system failures, and other unforeseen circumstances.
- The preparation of the District's seismic risk assessment and mitigation plan is discussed. The locations of earthquake faults in the vicinity of the District's water service area are provided.
- The effectiveness of the shortage response actions for each of the District's standard water shortage levels is presented. The District has been able to provide sufficient water supplies to its customers, including during long-term droughts and years with historically high water demands.
- The communication protocols implemented by the District when it declares any water shortage level are presented.
- The compliance and enforcement procedures associated with District's standard water shortage levels are presented.
- The legal authorities associated with District's standard water shortage levels are presented.
- The financial consequences associated with District's standard water shortage levels are presented.
- The District will evaluate the need for revising the Water Shortage Contingency Plan in order to resolve any water shortage gaps, as necessary. The steps



necessary for the District to adopt and amend its Water Shortage Contingency Plan are presented.

The following Water Shortage Contingency Plan includes references to Chapters and Sections from Pico Water District's 2020 Urban Water Management Plan:

## 8.1 WATER SUPPLY RELIABILITY ANALYSIS

### CWC 10632.

*(a)(1) The analysis of water supply reliability conducted pursuant to Section 10635.*

The District's sources of supply were discussed in Section 6.2 of the 2020 UWMP and consist of groundwater from the Central Basin. In addition, the District provides recycled water purchased through CBMWD for irrigation instead of potable supplies. Recycled water is locally generated and is not impacted by drought conditions. The reliability of the various sources of supply are discussed in Chapter 7 of this UWMP.

## 8.2 ANNUAL WATER SUPPLY AND DEMAND ASSESSMENT PROCEDURES

### CWC 10632.

*(a)(2) The procedures used in conducting an annual water supply and demand assessment that include, at a minimum, both of the following:*

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

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

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



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

*(iii) Existing infrastructure capabilities and plausible constraints.*

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

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

### **CWC 10632.1.**

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

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Commencing July 1, 2022, the District is required to submit an “Annual Water Supply and Demand Assessment” (Annual Assessment) in accordance with DWR’s guidance and requirements. The Annual Assessment will include a review of the District’s unconstrained water demands (i.e. water demands prior to any projected response actions the District may trigger under this Water Shortage Contingency Plan) for the current year and the upcoming (potential single dry) year. The District will also include information regarding anticipated shortages, triggered shortage response actions, compliance and enforcement actions, and communication actions consistent with the District’s Water Shortage Contingency Plan.

For each Annual Assessment, the District plans to prepare a preliminary assessment which evaluates the adequacy of its water supplies for the current and upcoming years by April of each year. The preliminary assessment will include a review of water supplies for at least a single dry year.



The components of Annual Assessment consist of the following:

- A written decision-making process
- Key data inputs and assessment methodology

### **8.2.1 DECISION MAKING PROCESS**

The District produces groundwater from the Central Basin as its primary source of water supply and that basin is managed on a fiscal year basis. Consequently, during the third quarter of each fiscal year the District will review its water demands from the initial six months along with the current groundwater basin conditions and local hydrology. This information will be used to help develop the Annual Assessment. A draft of the Annual Assessment will be circulated internally within the District for peer review and comment. Based on comments received, a redraft will be prepared and provided to the General Manager for final review in the Spring of each year. Subsequently, a final draft of the Annual Assessment will be provided to the District's Board of Directors for review and included in the agenda as part of a Board meeting such that it can be approved and any recommended specific shortage response actions may be enacted. The final Annual Assessment will be provided to DWR no later than July 1 of each year.

The Annual Assessments will be instrumental in providing guidance to the District for decisions regarding potential declarations of a water supply shortage and implementation of water reduction stages, instituting mandatory water restrictions, promoting water use efficiency and conservation programs, water rates and drought rate surcharges, and the necessity of pursuing alternative water supplies. This process will help ensure adequate water supplies resources are available to the District.



## 8.2.2 DATA METHODOLOGIES

The key data inputs and methodologies which will be evaluated by the District during the preparation of the preliminary assessment will include the following:

- 1) Evaluation Criteria: The locally applicable evaluation criteria used to prepare the Annual Assessment will be identified. The evaluation criteria will include, but is not limited to, an analysis of current local hydrology (including rainfall and groundwater levels), current water demands, a review of water system improvement plans which may impact infrastructure availability, and water quality regulations which may impact groundwater availability.
- 2) Water Supply: A description of each available water supply source will be provided. The descriptions will include a quantification of each available water supply source and will be based on review of current production capacities, historical production, Urban Water Management Plans, and prior water supply studies (including Water Supply Assessments and/or Master Plans).
- 3) Unconstrained Water Demand: The potential unconstrained water demands during the current year and the upcoming (potential single dry) year will be reviewed. The review will include factors such as weather, existing and projected land uses and populations, actual customer consumption and water use factors, monthly Urban Water Supplier Monthly Reports, existing water shortage levels (see Section 8.3), and existing water conservation ordinances (see Section 9.2.1).
- 4) Planned Water Use for Current Year Considering Dry Subsequent Year: The water supplies available to meet the demands during the current year and the upcoming (potential single dry) year will be considered and identified by each type of supply. The evaluation will include factors such as estimated water demands, weather, groundwater basin operating conditions, water quality results, existing available



pumping capacities, imported water allocations, contractual obligations, regulatory issues, use of emergency interconnections, and the costs associated with producing each water supply source.

- 5) Infrastructure Considerations: The capabilities of the water distribution system infrastructure to meet the water demands during the current year and the upcoming (potential single dry) year will be considered. Available production capacities (e.g. groundwater well capacities) and distribution system water losses (see Section 4.2.4) will be reviewed. In addition, capital improvement and replacement projects, as well as potential projects which may increase water system and production capacities (see Section 6.2.8), will be considered.
  
- 6) Other Factors: Additional local considerations, if any, which can affect the availability of water supplies will be described.

### 8.3 SIX STANDARD WATER SHORTAGE LEVELS

#### CWC 10632.

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

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



The District will manage water supplies prudently to minimize the adverse impacts of water shortages. The District’s plan for water usage during periods of shortage is designed to incorporate six standard water shortage levels corresponding to progressive ranges from up to 10, 20, 30, 40, and 50 percent shortages and greater than a 50 percent shortage.

The District’s Ordinance No. 62 (“An Ordinance of Pico Water District to Establish Water Use Efficiency Requirements and Water Supply Shortage Levels”), adopted in 2015, previously established four (4) water shortage levels. A copy of Ordinance No. 62 is provided in Appendix J. In accordance with the California Water Code in which urban water suppliers are required to define six standard water shortage level, the District has developed the crosswalk illustrated below that translated the District’s previously established shortage levels to the mandated standard shortage levels.

Corresponding Relationships Between Supplier's 2015 Shortage Levels and the 2020 WSCP Mandated Shortage Levels

Established Level	Supply Condition/Shortage	2020 Standard Level	Shortage Level
1	10% - 15%	1	≤ to 10%
2	15% - 25%	2	10 to 20%
3	25% - 35%	3	20 to 30%
4	35% - 50%	4	30 to 40 %
		5	40 to 50 %
		6	> 50 %

Table 8-1 provides a description of the stages of action which may be triggered by a shortage in the District’s water supply source, depending on the severity of the shortage and its anticipated duration.





**Table 8-1 Water Shortage Contingency Planning Levels**

Submittal Table 8-1 Water Shortage Contingency Plan Levels		
Shortage Level	Percent Shortage Range	Shortage Response Actions <i>(Narrative description)</i>
1	Up to 10%	<p>Upon the declaration by the District’s Board of Directors of a Level 1 Water Supply Shortage condition, the District will implement the mandatory Level 1 conservation measures identified in this section.</p> <p>1. Limits on Watering Hours: During times of water shortage (as declared by the Board), watering or irrigating of lawn, landscape or other vegetated area with potable water is prohibited between the hours of 10:00 a.m and 4:00 p.m.</p> <p>2. Obligation to Fix Leaks, Breaks or Malfunctions: All leaks, breaks, or other malfunctions in the water user’s plumbing or distribution system must be repaired with five (5) days after written notification by the District unless other arrangements are made with the District.</p>
2	Up to 20%	<p>Upon the declaration by the District’s Board of Directors of a Level 2 Water Supply Shortage condition, the District will implement the mandatory Level 2 conservation measures identified in this section.</p> <p>1. Limits on Watering Days: Watering or irrigating of lawn, landscape or other vegetated area with potable water is limited to three (3) days per week. During the months of November through March, watering or irrigating of lawn, landscape or other vegetated area with potable water is limited to no more than two (2) days per week on a schedule established and posted by the District.</p> <p>2. Obligation to Fix Leaks, Breaks or Malfunctions. All leaks, breaks, or other malfunctions in the water user’s plumbing or distribution system must be repaired with seventy-two (72) hours of notification by the District unless other arrangements are made with the District.</p> <p>3. Other Prohibited Uses. The District may implement other prohibited water uses as determined by the District’s Board of Directors, after written notice is provided to District customers.</p>
3	Up to 30%	<p>Upon the declaration by the District’s Board of Directors of a Level 3 Water Supply Shortage condition, the District will implement the mandatory Level 3 conservation measures identified in this section.</p> <p>1. Additional Water Conservation Measures. In addition to the prohibited uses of water identified in Water Shortage Level 2, the following water conservation requirements apply during a declared Level 3 Water Supply Shortage.</p> <p>2. Watering Days: Watering or irrigating of lawn, landscape or other vegetated area with potable water is limited to two (2) days per week on a schedule established and posted by the District. During the months of November through March, watering or irrigating of lawn, landscape or other vegetated area with potable water is limited to no more than one (1) days per week on a schedule established and posted by the District.</p> <p>3. Obligation to Fix Leaks, Breaks or Malfunctions. All leaks, breaks, or other malfunctions in the water user’s plumbing or distribution system must be repaired with forty-eight (48) hours of notification by the District unless other arrangements are made with the District.</p> <p>4. Limits on Filling Ornamental Lakes or Ponds. Filling or re-filling ornamental lakes or ponds is prohibited, except to the extent needed to sustain aquatic life.</p>



4	Up to 40%	<p>Upon the declaration of a Level 4 Water Supply Shortage condition, the District will implement the mandatory Level 4 conservation measures identified in this section.</p> <ol style="list-style-type: none"> <li>1. Watering or irrigating of lawn, landscape or other vegetated area with potable water is prohibited</li> <li>2. All leaks, breaks, or other malfunctions in the water user's plumbing or distribution system must be repaired with twenty-four (24) hours of notification by the District.</li> <li>3. No New Potable Water Service</li> <li>4. The District, in its sole discretion, may discontinue service to consumers who willfully violate provisions.</li> </ol>
5	Up to 50%	<p>A Level 5 condition exists when the District's Board of Directors declares a water shortage emergency and notifies its residents and businesses that a significant reduction in consumer demand is necessary to ensure sufficient supplies will be available to meet anticipated demands. Upon the declaration of a Level 5 Water Supply Shortage condition, the District will implement the mandatory conservation measures identified in Water Shortage Level 4.</p>
6	>50%	<p>A Level 6 condition exists when the District's Board of Directors declares a water shortage emergency and notifies its residents and businesses that a significant reduction in consumer demand is necessary to ensure sufficient supplies will be available to meet anticipated demands. Upon the declaration of a Level 6 Water Supply Shortage condition, the District will implement the mandatory conservation measures identified in Water Shortage Level 4.</p>
NOTES:		

### 8.4 SHORTAGE RESPONSE ACTIONS

CWC 10632.

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

*(A) Locally appropriate supply augmentation actions.*

*(B) Locally appropriate demand reduction actions to adequately respond to shortages.*

*(C) Locally appropriate operational changes.*

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

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



### 8.4.1 DEMAND REDUCTION

A full listing of the restrictions/prohibitions associated with each shortage level is provided below.

#### Water Shortage Level 1

A Level 1 Water Supply Shortage exists when the District through its Board of Directors determines, that due to drought, a water supply shortage or a threatened water shortage exists and customer use reductions are necessary to comply with state requirements and to make more efficient use of water and appropriately respond to existing water conditions. Upon the declaration by the District's Board of Directors of a Level 1 Water Supply Shortage condition, the District will implement the mandatory Level 1 conservation measures identified in this section.

- A. Additional Water Conservation Measures. In addition to the existing prohibited uses of water identified in Water Use Efficiency Requirements & Prohibition Against Waste in District Ordinance No. 62, the following water conservation requirements apply during a declared Level 1 Water Supply Shortage.
- B. Limits on Watering Hours: During times of water shortage (as declared by the Board), watering or irrigating of lawn, landscape or other vegetated area with potable water is prohibited between the hours of 10:00 a.m. and 4:00 p.m. Pacific Standard Time or Pacific Daylight Time, as applicable, on any day, except for very short periods of time for the express purpose of adjusting or repairing an irrigation system.
- C. Obligation to Fix Leaks, Breaks or Malfunctions: All leaks, breaks, or other malfunctions in the water user's plumbing or distribution system must be repaired with five (5) days after written notification by the District unless other arrangements are made with the District.



### Water Shortage Level 2

A Level 2 Water Supply Shortage exists when the District through its Board of Directors determines, that due to drought, a water supply shortage or a threatened water shortage exists and customer use reductions are necessary to comply with state requirements and to make more efficient use of water and appropriately respond to existing water conditions. Upon the declaration by the District's Board of Directors of a Level 2 Water Supply Shortage condition, the District will implement the mandatory Level 2 conservation measures identified in this section.

- A. **Additional Water Conservation Measures.** In addition to the prohibited uses of water identified in Water Use Efficiency Requirements & Prohibition Against Waste in District Ordinance No. 62, and Water Shortage Level 1, the following water conservation requirements apply during a declared Level 2 Water Supply Shortage.
- B. **Limits on Watering Days:** Watering or irrigating of lawn, landscape or other vegetated area with potable water is limited to three (3) days per week. During the months of November through March, watering or irrigating of lawn, landscape or other vegetated area with potable water is limited to no more than two (2) days per week on a schedule established and posted by the District. This provision does not apply to landscape irrigation zones that exclusively use very low flow drip type irrigation systems when no emitter produces more than two (2) gallons of water per hours. This provision also does not apply to watering or irrigating for very short periods of time for express purpose of adjusting or repairing an irrigation system.
- C. **Obligation to Fix Leaks, Breaks or Malfunctions.** All leaks, breaks, or other malfunctions in the water user's plumbing or distribution system must be repaired with seventy-two (72) hours of notification by the District unless other arrangements are made with the District.
- D. **Other Prohibited Uses.** The District may implement other prohibited water uses as determined by the District's Board of Directors, after written notice is provided to District customers.



### Water Shortage Level 3

A Level 3 Water Supply Shortage exists when the District through its Board of Directors determines, that due to drought, a water supply shortage or a threatened water shortage exists and customer use reductions are necessary to comply with state requirements and to make more efficient use of water and appropriately respond to existing water conditions. Upon the declaration by the District's Board of Directors of a Level 3 Water Supply Shortage condition, the District will implement the mandatory Level 3 conservation measures identified in this section.

- A. **Additional Water Conservation Measures.** In addition to the prohibited uses of water identified in Water Use Efficiency Requirements & Prohibition Against Waste in District Ordinance No. 62 and Water Shortage Levels 1 and 2, the following water conservation requirements apply during a declared Level 3 Water Supply Shortage.
- B. **Watering Days:** Watering or irrigating of lawn, landscape or other vegetated area with potable water is limited to two (2) days per week on a schedule established and posted by the District. During the months of November through March, watering or irrigating of lawn, landscape or other vegetated area with potable water is limited to no more than one (1) days per week on a schedule established and posted by the District. This provision does not apply to landscape irrigation zones that exclusively use very low flow drip type irrigation systems when no emitter produces more than two (2) gallons of water per hours. This provision also does not apply to watering or irrigating for very short periods of time for express purpose of adjusting or repairing an irrigation system.
- C. **Obligation to Fix Leaks, Breaks or Malfunctions.** All leaks, breaks, or other malfunctions in the water user's plumbing or distribution system must be repaired with forty-eight (48) hours of notification by the District unless other arrangements are made with the District.



- D. Limits on Filling Ornamental Lakes or Ponds. Filling or re-filling ornamental lakes or ponds 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 declaration of a supply shortage level under this ordinance.
- E. Limits on Filling Residential Swimming Pools & Spas: Re-filling of water constituting more than one foot of depth, and initial filling of, residential swimming pools or outdoor spas with potable water is prohibited.
- F. Other Prohibited Uses. The District may implement other prohibited water uses as determined by the District's Board of Directors, after written notice is provided to District customers.
- G. Mandatory Percentage Use Reductions. During a Level 3 Water Supply Shortage condition, all customers will be required to reduce water consumption by a percentage determined by the District's Board of Directors.

Water Shortage Level 4

- A. A Level 4 condition exists when the District's Board of Directors declares a water shortage emergency and notifies its residents and businesses that a significant reduction in consumer demand is necessary to ensure sufficient supplies will be available to meet anticipated demands. Upon the declaration of a Level 4 Water Supply Shortage condition, the District will implement the mandatory Level 4 conservation measures identified in this section.
- B. Additional Conservation Measures. In addition to the prohibited uses of water identified in District Ordinance No. 62, the following water conservation requirements apply during a declared Level 4 Water Supply Shortage.
- C. No Watering or Irrigating. Watering or irrigating of lawn, landscape or other vegetated area with potable water is prohibited. This restriction shall not apply to the following categories of use unless the District's Board of Directors has determined that recycled water is available and may be lawfully applied to the use:



1. Maintenance of vegetation, including trees and shrubs, that are watered using a handheld bucket or similar container, hand-held hose equipped with a positive self-closing water shut-off nozzle or device, or a very low-flow drip type irrigation system when no emitter produces more than two (2) gallons of water per hour subject to the hour restrictions in Shortage Level 1;
  2. Maintenance of existing landscape necessary for fire protection;
  3. Maintenance of existing landscape for soil erosion control;
  4. Maintenance of landscape within active public parks and playing fields, day care center, school grounds, cemeteries, and golf course greens, provided that such irrigation does not exceed two (2) days per week.
  5. Public works projects and actively irrigated environmental mitigation projects.
- D. **Obligation to Fix Leaks, Breaks or Malfunctions.** All leaks, breaks, or other malfunctions in the water user's plumbing or distribution system must be repaired with twenty-four (24) hours of notification by the District unless other arrangements are made with the District.
- E. **No New Potable Water Service.** Upon declaration of a Level 4 Water Supply Shortage condition, no new potable water service shall be provided, no new temporary meters or permanent meters shall be provided, and no statements of immediate ability to serve or provide potable water service (such as, will serve letters, certificates, or letters of availability) shall be issued, except under the following circumstances:
1. A valid, unexpired building permit has already been issued for the project;  
or
  2. The project is necessary to protect the public's health, safety and welfare;  
or
  3. The applicant provides substantial evidence of an enforceable commitment that water demands for the project will be offset prior to the provision of a new water meter(s) to the satisfaction of the District.



4. This provision does not preclude the resetting or turn-on of meters to provide continuation of water service or the restoration of service that has been interrupted for a period of one year or less.
- F. **Discontinue Service:** The District, in its sole discretion, may discontinue service to consumers who willfully violate provisions of this section.
- G. **Other Prohibited Uses.** The District may implement other prohibited water uses as determined by the District's Board of Directors, after written notice is provided to District customers.

#### Water Shortage Level 5

- A. A Level 5 condition exists when the District's Board of Directors declares a water shortage emergency and notifies its residents and businesses that a significant reduction in consumer demand is necessary to ensure sufficient supplies will be available to meet anticipated demands. Upon the declaration of a Level 5 Water Supply Shortage condition, the District will implement the mandatory Level 5 conservation measures identified in this section.
- B. **Additional Conservation Measures.** In addition to the prohibited uses of water identified in District Ordinance No. 62, the following water conservation requirements apply during a declared Level 5 Water Supply Shortage.
- C. **No Watering or Irrigating.** Watering or irrigating of lawn, landscape or other vegetated area with potable water is prohibited. This restriction shall not apply to the following categories of use unless the District's Board of Directors has determined that recycled water is available and may be lawfully applied to the use:
  1. Maintenance of vegetation, including trees and shrubs, that are watered using a handheld bucket or similar container, hand-held hose equipped with a positive self-closing water shut-off nozzle or device, or a very low-flow drip type irrigation system when no emitter produces more than two (2) gallons of water per hour subject to the hour restrictions in Shortage Level 1;
  2. Maintenance of existing landscape necessary for fire protection;
  3. Maintenance of existing landscape for soil erosion control;





4. Maintenance of landscape within active public parks and playing fields, day care center, school grounds, cemeteries, and golf course greens, provided that such irrigation does not exceed two (2) days per week.
  5. Public works projects and actively irrigated environmental mitigation projects.
- D. **Obligation to Fix Leaks, Breaks or Malfunctions.** All leaks, breaks, or other malfunctions in the water user's plumbing or distribution system must be repaired with twenty-four (24) hours of notification by the District unless other arrangements are made with the District.
- E. **No New Potable Water Service.** Upon declaration of a Level 5 Water Supply Shortage condition, no new potable water service shall be provided, no new temporary meters or permanent meters shall be provided, and no statements of immediate ability to serve or provide potable water service (such as, will serve letters, certificates, or letters of availability) shall be issued, except under the following circumstances:
1. A valid, unexpired building permit has already been issued for the project;  
or
  2. The project is necessary to protect the public's health, safety and welfare;  
or
  3. The applicant provides substantial evidence of an enforceable commitment that water demands for the project will be offset prior to the provision of a new water meter(s) to the satisfaction of the District.
  4. This provision does not preclude the resetting or turn-on of meters to provide continuation of water service or the restoration of service that has been interrupted for a period of one year or less.
- F. **Discontinue Service:** The District, in its sole discretion, may discontinue service to consumers who willfully violate provisions of this section.
- G. **Other Prohibited Uses.** The District may implement other prohibited water uses as determined by the District's Board of Directors, after written notice is provided to District customers.



Water Shortage Level 6

- A. A Level 6 condition exists when the District's Board of Directors declares a water shortage emergency and notifies its residents and businesses that a significant reduction in consumer demand is necessary to ensure sufficient supplies will be available to meet anticipated demands. Upon the declaration of a Level 6 Water Supply Shortage condition, the District will implement the mandatory Level 6 conservation measures identified in this section.
- B. Additional Conservation Measures. In addition to the prohibited uses of water identified in District Ordinance No. 62, the following water conservation requirements apply during a declared Level 6 Water Supply Shortage.
- C. No Watering or Irrigating. Watering or irrigating of lawn, landscape or other vegetated area with potable water is prohibited. This restriction shall not apply to the following categories of use unless the District's Board of Directors has determined that recycled water is available and may be lawfully applied to the use:
  - 1. Maintenance of vegetation, including trees and shrubs, that are watered using a handheld bucket or similar container, hand-held hose equipped with a positive self-closing water shut-off nozzle or device, or a very low-flow drip type irrigation system when no emitter produces more than two (2) gallons of water per hour subject to the hour restrictions in Shortage Level 1;
  - 2. Maintenance of existing landscape necessary for fire protection;
  - 3. Maintenance of existing landscape for soil erosion control;  
Maintenance of landscape within active public parks and playing fields, day care center, school grounds, cemeteries, and golf course greens, provided that such irrigation does not exceed two (2) days per week.
  - 4. Public works projects and actively irrigated environmental mitigation projects.
- D. Obligation to Fix Leaks, Breaks or Malfunctions. All leaks, breaks, or other malfunctions in the water user's plumbing or distribution system must be repaired



with twenty-four (24) hours of notification by the District unless other arrangements are made with the District.

E. No New Potable Water Service. Upon declaration of a Level 6 Water Supply Shortage condition, no new potable water service shall be provided, no new temporary meters or permanent meters shall be provided, and no statements of immediate ability to serve or provide potable water service (such as, will serve letters, certificates, or letters of availability) shall be issued, except under the following circumstances:

1. A valid, unexpired building permit has already been issued for the project;  
or
2. The project is necessary to protect the public's health, safety and welfare;  
or
3. The applicant provides substantial evidence of an enforceable commitment that water demands for the project will be offset prior to the provision of a new water meter(s) to the satisfaction of the District.
4. This provision does not preclude the resetting or turn-on of meters to provide continuation of water service or the restoration of service that has been interrupted for a period of one year or less.

F. Discontinue Service: The District, in its sole discretion, may discontinue service to consumers who willfully violate provisions of this section.

G. Other Prohibited Uses. The District may implement other prohibited water uses as determined by the District's Board of Directors, after written notice is provided to District customers.

#### **8.4.2 SUPPLY AUGMENTATION**

The District does not plan to add a new source of water supply to address customer demands, but instead will consider increased supplies from existing sources. Table 8-3 reflects this approach and does not identify any new supplies. Instead, the District will focus on demand reduction measures in the event existing sources of supply are not



sufficient to meet customer demands. As discussed in Chapter 6, the District's sources of water supply include groundwater produced from the Central Basin and recycled water supplies purchased from CBMWD. As noted in Section 8.2, beginning July 1, 2022, the District will prepare and submit an Annual Assessment which will include a review of water supplies available to meet water demands for the current and upcoming years. If the District is currently in, or considers entering into, one of the standard water shortage levels identified in Section 8.3, the District will consider the water supply (augmentation) actions described below.



**Table 8-2 Demand Reduction Actions**

Submittal Table 8-2: Demand Reduction Actions				
Shortage Level	Demand Reduction Actions <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>For Retail Suppliers Only</i> <i>Drop Down List</i>
<i>Add additional rows as needed</i>				
1	Landscape - Limit landscape irrigation to specific times	Collective reduction from all Shortage Level 1 actions is up to 184 AF	During times of water shortage watering or irrigating of lawn, landscape or other vegetated area with potable water is prohibited between the hours of 10:00 a.m and 4:00 p.m. Pacific Standard Time	Yes
1	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	Collective reduction from all Shortage Level 1 actions is up to 184 AF		Yes
2	Other	Collective reduction from all Shortage Level 2 actions is up to 369 AF	All actions under Shortage Level 1	Yes
2	Landscape - Limit landscape irrigation to specific days	Collective reduction from all Shortage Level 2 actions is up to 369 AF	Watering or irrigating of lawn, landscape or other vegetated area with potable water is limited to three (3) days per week.	Yes
2	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	Collective reduction from all Shortage Level 2 actions is up to 369 AF		Yes
3	Other	Collective reduction from all Shortage Level 3 actions is up to 553 AF	All actions under Shortage Level 2	Yes
3	Landscape - Limit landscape irrigation to specific days	Collective reduction from all Shortage Level 3 actions is up to 553 AF		Yes
3	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	Collective reduction from all Shortage Level 3 actions is up to 553 AF		Yes
3	Water Features - Restrict water use for decorative water features, such as fountains	Collective reduction from all Shortage Level 3 actions is up to 553 AF		Yes
3	Water Features - Restrict water use for decorative water features, such as fountains	Collective reduction from all Shortage Level 3 actions is up to 553 AF		Yes
4	Other	Collective reduction from all Shortage Level 4 actions is up to 737 AF	All actions under Shortage Level 3	Yes
4	Landscape - Prohibit all landscape irrigation	Collective reduction from all Shortage Level 4 actions is up to 737 AF		Yes
4	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	Collective reduction from all Shortage Level 4 actions is up to 737 AF		Yes
4	Other	Collective reduction from all Shortage Level 4 actions is up to 737 AF	No New Potable Water Service	Yes
5	Other	Collective reduction from all Shortage Level 5 actions is up to 921 AF	All actions under Shortage Level 4	Yes
6	Other	Collective reduction from all Shortage Level 6 actions is greater than 921 AF	All actions under Shortage Level 5	Yes
NOTES:				



**Table 8-3 Supply Augmentation and Other Actions**

Submittal Table 8-3: Supply Augmentation and Other Actions			
Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	How much is this going to reduce the shortage gap? <i>Include units used (volume type or percentage)</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>			
1	Transfers	Not applicable (see Notes)	
2	Transfers	Not applicable (see Notes)	
3	Transfers	Not applicable (see Notes)	
4	Transfers	Not applicable (see Notes)	
5	Transfers	Not applicable (see Notes)	
6	Transfers	Not applicable (see Notes)	

NOTES: The District will consider increased production from the Central Basin using existing facilities to address increased demands. As noted on Table 8-2, the District plans to implement demand reduction measures in the event water supplies from existing sources are not sufficient to meet anticipated demands.

### 8.4.3 OPERATIONAL CHANGES

During a water supply shortage situation, the District will manage its water supply resources to provide sufficient water supplies capable of meeting the demands of its customers. Section 8.4.1 describes the District’s standard water shortage levels and associated demand reduction measures. Section 8.4.2 describes the District’s water supply sources and water supply augmentation actions available. The supply augmentation actions and demand reduction measures, when implemented, may potentially result in short-term operational changes which are necessary to allow the District to utilize all available water supply sources in response to water shortage situations.

As noted in Section 8.2, beginning July 1, 2022, the District will prepare and submit an Annual Assessment which will include a review of the water supplies available to meet water demands for the current and upcoming years. Preparation of the Annual Assessment will assist the District in determining any potential operational changes. In addition, the District’s standard water shortage levels and the associated demand



reduction measures, in conjunction with the District's existing Demand Management Measures (discussed in Chapter 9), will be essential to the District in reducing water demands during any water shortage period. The operational changes the District will consider in addressing non-catastrophic water shortages on a short-term basis include the following:

- Improved monitoring, analysis, and tracking of customer water usage to enforce demand reduction measures
- Optimized production from existing available water supply sources
- Potential use of emergency supply sources, including emergency interconnections
- Potential blending of water supply resources
- Improved monitoring, maintenance, and repairs to reduce water distribution system losses

#### **8.4.4 ADDITIONAL MANDATORY RESTRICTIONS**

The mandatory restrictions which are implemented by the District to reduce customer demands are discussed in Section 8.4.1. There are no additional mandatory restrictions planned at this time.

#### **8.4.5 EMERGENCY RESPONSE PLAN**

Catastrophic water shortages are incorporated in the District's standard water shortage levels (identified in Section 8.3) and the associated demand reduction measures (described in Section 8.4.1). In addition to the water supply augmentation actions (Section 8.4.2) and potential operational changes (Section 8.4.3) which the District may consider in order to continue providing sufficient water supplies, the District will review and implement any necessary steps included in its "Emergency Response Plan".