

**DEL PASO MANOR WATER
DISTRICT**

**DROUGHT PREPAREDNESS
AND
WATER SHORTAGE PLAN**

Reviewed April 2, 2019

DROUGHT AND WATER SHORTAGE PLAN

PURPOSE:

The purpose of this plan is to set guidelines in the event of a drought or other circumstances that may lead to a water shortage for the Del Paso Manor Water District.

WATER SUPPLY:

Del Paso Manor Water District's water supply comes from groundwater. The District's supply is not directly affected by drought conditions as it would be if the District relied on surface water. However, the groundwater basin is declining. In dry years, other Districts that use surface water rely more on groundwater which creates a greater demand on the basin. Historical data shows that long term drought conditions have a negative affect on the groundwater basin.

Other impacts to groundwater supplies are contamination issues. The District needs to be prepared in the event that the District's water supply is reduced due to a contamination issue that affects the region or the District directly.

The District maintains interties with neighboring water districts that can be used in the event of emergency. The District has developed an Emergency Response Plan that will be used in the event of an emergency. The purpose of the interties is not for foreseeable events such as a drought. It is necessary for the District to be prepared for events that may lead to a water supply shortage and to have an action plan in place to meet the water needs of the District's customers in these events.

DROUGHT OR WATER SHORTAGE PHASES:

During a water supply shortage, the priorities of the District are to maintain water quality, maintain fire flow capability, and maintain safe operating conditions, while minimizing economic impacts to both residents and commercial customers.

This Drought Preparedness Plan serves as a guide for the District to follow for any event that leads to a water supply shortage. During normal water conditions, the District requests that every customer use water wisely and not intentionally waste water. When a drought or water shortage may impact the District or region, the District has set five phases that present conditions, actions, and goals to achieve to meet the projected water supply reduction:

- Phase 1: Water Shortage Watch
- Phase 2: Water Shortage Warning
- Phase 3: Water Shortage Emergency
- Phase 4: Water Supply Critical
- Phase 5: Water Supply Critical/State Mandate for Reduction

Based on water conditions in the District, surrounding community and region, as well as the State, the Board will determine if the District needs to declare a drought or water shortage and the drought phase that needs to be implemented. There may be times that the Board may declare a Drought but, due to special circumstances, may implement a modified phase to achieve the needed reduction.

The following table outlines each phase in a drought stage given the District's actions, the requested customer actions, and penalties that may be invoked.

Drought Preparedness Plan – Del Paso Manor Water District

Drought Stage	Public Agency Actions	Requested Consumer Actions	Penalties (in progressive order)
<p>Phase 1 – Watch 5-10% Shortage (Voluntary Reductions)</p>	<p>Water Agencies Initiate public information campaign. Explain drought situation to the public and governmental bodies. Request voluntary conservation by requesting such actions as:</p> <ul style="list-style-type: none"> • Odd/Even outside watering schedule • Washing paved surfaces only for health and safety reasons • Irrigation during non-peak periods • No water running off property • Repaired leaks • Re-circulating pumps required for fountains, ponds, pools, etc. <p>Prepare and disseminate educational brochures, bill inserts, and so forth. Set up public information booths urging water conservation and showing ways the public can save water during events held within the District.</p> <p>Coordinate media outreach program. Begin advertising campaign to remind consumers of the need to save water.</p> <p>Recruit and train employees for speakers bureau, ordinance enforcement, and so on.</p>	<p>All Customers Implement voluntary water-use reductions.</p>	<p>Water Waste Actions</p> <ol style="list-style-type: none"> 1. Educational letter or visit. 2. Written notice of violation 3. Citation or fine. 4. Shut-off and reconnection fee.

Drought Stage	Public Agency Actions	Requested Consumer Actions	Penalties (in progressive order)
<p>Phase 2 – Warning 10-20% Shortage (Voluntary or Mandatory Reductions)</p>	<p>Water Agencies Mandate voluntary conservation actions listed in Phase 1.</p> <p>Enforce more conservation measures such as, car washing allowed only with a bucket and hose equipped with shut-off nozzle and washing of paved surfaces for health reasons on limited times.</p> <p>Continue rigorous public information campaign. Explain drought conditions. Distribute technical conservation information.</p> <p>Support passage of drought ordinances by appropriate government agencies. If reductions are mandatory, investigate methods for enforcement.</p> <p>Make low-flow showerheads and water-saving toilet devices available to public.</p> <p>Ask consumers for 10-15% mandatory or voluntary water-use reductions.</p>	<p>All Customers Adhere to nonessential-use ordinances.</p> <p>Industrial/Commercial Customers Voluntarily implement contingency action plan.</p> <p>Voluntary reduction of water use for street cleaning, main flushing, and landscaping.</p> <p>Restaurants to serve water only upon request.</p>	<p>Water Waste Actions</p> <ol style="list-style-type: none"> 1. Education Letter or visit. 2. Educational visit and warning. 3. Citation or fine. 4. Installation of flow restrictor. 5. Shutoff and reconnection fee.

Drought Stage	Public Agency Actions	Requested Consumer Actions	Penalties (in progressive order)
<p>Phase 3 – Emergency 10-35% Shortage (Mandatory Reductions)</p>	<p>Water Agencies Mandate all conservations measures in Stage 2.</p> <p>Ask consumers to reduce their water use 15-20% by implementing further conservation measures including:</p> <ul style="list-style-type: none"> • Limit outside watering to 2 days per week. • Re-filling of ponds, pools, or spas not allowed. • Restrict outside watering time from 9pm to 9am. • Washing paved surfaces for health reasons limited to once per month. • Car washing with bucket and hose equipped with shut-off nozzle must be done on lawn. 	<p>All Customers Adhere to conservation ordinance. Limit all non-essential use of water.</p> <p>Industrial/Commercial Customers Implement the water-use contingency plan they may have.</p>	<p>Water Waste Actions</p> <ol style="list-style-type: none"> 1. Educational letters or visit. 2. Educational visit and warning. 3. Citation or Fine. 4. Installation of flow restrictor. 5. Shutoff and reconnection fee. 6. Install a meter on flat rate service.

Drought Stage	Public Agency Actions	Requested Consumer Actions	Penalties (in progressive order)
<p>Phase 4 - Critical 35-50% Shortage (Mandatory Reductions)</p>	<p>Water Agencies All of emergency stage (Phase 3) steps enforced.</p> <p>Mandate further conservation measures to achieve a 25-30% reduction in water sues including:</p> <ul style="list-style-type: none"> • Limit outside watering to one day per week. • No car washing at residence. <p>Monitor production for compliance with necessary reductions weekly.</p>	<p>All Customers Adhere to conservation ordinance.</p> <p>Industrial/Commercial Customers Suggest daily/weekly water meter reading.</p> <p>Hydrant permits will be issued on a limited basis, if at all.</p>	<p>Water Waste Actions</p> <ol style="list-style-type: none"> 1. Educational letters or visit. 2. Educational visit and warning. 3. Citation or Fine. 4. Installation of flow restrictor. 5. Shutoff and reconnection fee. 6. Install meter on flat rate service

Drought Stage	Public Agency Actions	Requested Consumer Actions	Penalties (in progressive order)
<p>Phase 5 - Essential Critical/State Mandated 35-50% Shortage (Mandatory Reductions)</p>	<p>Water Agencies Enforce all phase 4 steps.</p> <p>Mandate further conservation measures to achieve a 40-50% reduction in water sues including:</p> <ul style="list-style-type: none"> • No outside watering allowed. • All leaks must be fixed immediately to avoid termination of water service. <p>Monitor production for compliance with necessary reductions weekly.</p> <p>Implement measure to increase fines for non-compliance.</p>	<p>All Customers Adhere to conservation ordinance.</p> <p>Industrial/Commercial Customers Suggest daily/weekly water meter reading.</p> <p>No hydrant permits will be issued.</p>	<p>Water Waste Actions</p> <ol style="list-style-type: none"> 1. Educational letters or visit. 2. Educational visit and warning. 3. Citation or Fine. 4. Installation of flow restrictor. 5. Shutoff and reconnection fee. 6. Install meter on flat rate service