

Water Shortage Contingency Plan Matrix

Revision 5

Water	Demand Max use ≤ 200 gpd/unit residential	Supply Reliability Single system component failure could cause violation of fire storage requirement for > 1 day	Climate triggers Rainfall 5 year median rainfall for latest complete seasons ≤ 17.5 inches	Water quality triggers		Water Use	Restrictions	Will Serve	New Meters Requires Building Permit
				Nitrate	Chloride				
Stage 1 (Alert)				At least one individual water source has stable nitrate concentration ≥ 5 ppm	TBD	All outdoor irrigation shall occur only between dusk and dawn. Use of potable water for washing outdoor surfaces requires automatic shutoff nozzle. Penalties imposed for wasteful use and unfixed leaks.	-Issued to current shareholders, vacant lots. Will/Intent to serve agreements are contingent upon permitted development paying for any required S&T infrastructure changes/improvements.		
Stage 2 (Warning)	Max use ≤ 150 gpd/unit residential	single system component failure could cause violation of fire storage requirement for > 5 days	5 year median rainfall for latest complete seasons ≤ 16.0 inches	Best individual water source has stable nitrate concentration ≥ 7 ppm	TBD	In addition to Stage 1 measures: Outdoor irrigation only permitted on Thursdays and Sundays at addresses with even numbers, and Tuesdays and Saturdays at addresses with odd numbers. Fire hydrant water use limited to fire emergencies and maintenance operations approved by Chief Operator.	Same as Stage 1		Requires Building Permit
Stage 3 (Emergency)	Max use ≤ 100 gpd/unit residential	single system component failure could cause violation of fire storage requirement for > 7 days and distribution pressure drop below 2 psig within 7 days.	5 year median rainfall for latest complete seasons ≤ 13.0 inches	Best individual water source has nitrate concentration ≥ 7 ppm, with a 5 yr trend rising trend ≥ 0.03 ppm/yr	TBD	In addition to Stage 2 measures: Notification of Shareholders and water customers.	Issued to current structures/shareholders (No vacant lots). Will/Intent to serve agreements are contingent upon permitted development paying for any required S&T infrastructure changes/improvements.		Requires Building Permit
Stage 4	Max use	single system component	5 year median	Best individual water	TBD	In addition to Stage 3 measures:	Not issued		Not issued

Notes:

1 Detailed background and explanations are available in the current revision of the S&T Water Shortage Emergency Conditions Manual, available on the company website

2 This is a revision controlled document. Hardcopies of this document my represent prior, obsolete, versions. Please obtain the newest version on the company website.