



## SCOTTS VALLEY WATER DISTRICT

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# Policy

<b>Number:</b>	P500-15-2	<b>Type of Policy:</b>	Administration
<b>Title:</b>	Water Management Strategies for Demand Reduction		
<b>Description:</b>	Supplement to Water Shortage Contingency Plan - 2015 Urban Water Management Plan (UWMP) Chapter 8		
<b>Original Adoption:</b>	01/08/15	<b>Reviewed:</b>	03/12/20
<b>Review Cycle:</b>	1 year	<b>Resolution No.:</b>	02-20

The Scotts Valley Water District's four-stage demand reduction plan will be invoked during declared water shortages. The conservation stages vary depending on the causes, severity, and anticipated duration of the water supply shortages.

Stage 1: 10% demand reduction, voluntary measures

Stage 2: 15% demand reduction, mandatory measures

Stage 3: 20% demand reduction, mandatory measures

Stage 4: 25% demand reduction, mandatory measures

An allocation criterion has been developed for each major customer category. Different demand reduction goals are established for summer and winter season, mainly to account for the changes in irrigation patterns. In case of the declared water shortage, the Board of Directors determines the applicability of water shortage plan either for summer period only or extend the demand reduction to the whole year. Respective reduction goals are presented in Table 1 and Table 2.

Separate allocation targets are established for different customer categories. The specific allocation methods are determined based on the severity of the shortage.

**Table 1: Allocations in the summer months (May 1 - October 31)**

Potable Consumption	Stage 2	Stage 3	Stage 4
	%	%	%
Residential – Single Family	80%	75%	70%
Residential – Multi Family	90%	85%	80%
Commercial	95%	90%	85%
Landscape	70%	60%	50%
Total Consumption	82%	76%	73%
Total Reduction	18%	24%	27%

**Table 2: Allocations in the winter months (November 1 – April 30)**

Potable Consumption	Stage 2	Stage 3	Stage 4
	%	%	%
Residential – Single Family	90%	85%	80%
Residential – Multi Family	90%	85%	80%
Commercial	95%	90%	85%
Landscape	80%	75%	50%
Total Consumption	93%	88%	82%
Total Reduction	7%	12%	18%

The total estimated annual cumulative reduction in Stage 2 is **13%**, in Stage 3 **18%**, and in Stage 4 **24%**.

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To achieve the demand reduction in Single Family Residential category in Stage 3 and Stage 4, the Board of Directors may authorize per capita allocations that are presented in Table 3. The approach provides a target allocation for households based on their size.

**Table 3: Single Family Residential budget allocations**

Potable Consumption	Stage 2	Stage 3	Stage 4
	GPCD	GPCD	GPCD
May 1 – October 31 SFR Per Capita Usage	54	50	47
November 1 – April 30 SFR Per Capita Usage	42	40	38