Future Baseline Scenarios: From 2014 to 2065

		Low Demands	Medium Demands	High Demands
Variable Baseline Demand Assumptions	**Increase in Agricultural Irrigation (Vineyard)**	Low (10 acres/year)	Medium (50 acres/year)	High (90 acres/year)
	Municipal Suppliers	Projected 2015 UWMP groundwater demands for VOMWD and COS.	Continue 2009 - 2014 average in GW Pumping for COS and VOMWD.	Extrapolate 2009 - 2014 average GW Pumping for COS and VOMWD accounting for growth. Assume no additional imported water beyond existing water rights beginning in 2040 and additional demands made up by local groundwater.
	Rural Residential Growth	ABAG growth. Conservation meaures enforced via CA Building Codes and Water Efficient Landscape Ordinances	ABAG growth. Historic parcel demands applied to all parcels.	ABAG growth with local build-out. Local build-out reflects maximized growth under general plans. New parcels have increased demands.
Constant Baseline Assumptions	**Small Public Water Systems and golf course/playing field irrigation**	Small systems suppliers such as mutual systems, golf course, wineries, other commercial users, etc continue pumping at 2009 - 2014 rates		
	SVWWTP recycled water deliveries	Continue at 2009 - 2014 rates		
	Surface-water diversion	Continue at 2009 - 2014 rates		
Climate Input for Scenarios	**PCMB1**	**Run 1**	**Run 2**	**Run 3**
	CNRM85	**Run 4**	**Run 5**	**Run 6**
	GFDLB1	**Run 7**	**Run 8**	**Run 9**
	MIROCESM85	**Run 10**	**Run 11**	**Run 12**

Notes:

CNRM85: Hot/wet, no mitigation
GFDLB1: Warm/dry, no mitigation
MIROCESM85: Hot/dry, no mitigation
PCMB1: Warm/wet, highly mitigated

Management Alternatives

Baseline Assumptions Select range of baseline scenarios for management scenarios	SV WWTP Deliveries Deliver additional recycled water to offset agricultural irrigation	Domestic and Agricultural Conservation Reduce outdoor/indoor residential water use. Increase Agricultural irrigation efficiency	Aquifer Storage and Recovery Injection of imported water	Managed Aquifer Recharge Infiltration of stormwater through recharge ponds	Stormwater Capture and Storage Capture overland flow or stream discharge and store for use	In Lieu Surface Water Substitution for Groundwater Delivery of imported water to farms
Baseline Best Case						
Baseline Mid						
Baseline Worst Case						

Proposed Metrics for Evaluating Future Scenarios

Groundwater Elevation Change	
Shallow, Medium, Deep	Representative Locations for Each Subregion

Groundwater Storage Change
Total Volume Change By Subregion and Depth (if necessary)

Seasonal net groundwater discharge to streams	
Percent and absolute change	By Subregion

Seawater Intrusion	
Average yearly rate	Inflow from General Head Boundary
	Inflow from Baylands to Inland subregions