

Factors Affecting Regional and Statewide Water Demands and Supplies

FACTOR ¹	Types of Uncertainty (See key at bottom of page)								2010		2050	Data Sources
	NSU	FU	PU	CU	TU	IU?	?	?	Near Term	Mid Term	Long Term	
Factors Primarily Affecting Water Demand												
Total Population												
Population Density												
Population Distribution												
Total Commercial Activity												
Commercial Activity Mix												
Total Industrial Activity												
Industrial Activity Mix												
Irrigated Crop Area (Includes irrigated land area and multi-crop area)												
Environmental Water-Flow Based												
Environmental Water-Land Based												
Per Capita Income												
Water Price												
Passive Conservation ²												
Temperature												
Factors Primarily Affecting Water Supply												
catastrophic events												
sea-level rise												
Precipitation - drought, multi-year drought, extreme weather events, changed patterns (time and place)												
Snowpack												
Colorado River Supply (Reliability)												
Delta Exports (Reliability)												
Flood Requirements												
Energy Costs												
Drinking Water Standards												
Ag Discharge Requirements												
Urban Runoff Regulations												
Recreation Demand												
Desalting (Feasibility)												
Recycled Water (Feasibility)												
Water Transfers Between Regions (Feasibility)												
Conjunctive Use and Groundwater Management (Feasibility)												
Surface Water Storage (Feasibility)												
Conveyance Facilities (Feasibility)												

(1) Factors should be considered as an initial list that will be modified, as needed, as analyses proceed for the next Water Plan Update.

(2) Passive Conservation is the amount of background conservation (changes in plumbing codes, etc.) occurring independently from the BMP and EWMP programs.

Natural System Uncertainty (NSU) = Natural system variation (climate change, precipitation, etc.)

Financial Uncertainty (FU) = Financial feasibility (cost and funding)

Political Uncertainty (PU) = Political context (regulatory, balance of power)

Cultural Practices Uncertainty (CU) = Cultural context (social acceptance of technology, personal water practices, values for environment/economics)

Technical Uncertainty (TU) = Technical feasibility (engineering performance, technology availability)

Institutional Uncertainty (IU) = Institutional practices (mission, funding, capacity, values)