

Table 4-1 Scenario factors affecting regional and statewide water demands and supplies

Factor ¹	Scenario 1 Current Trends	Scenario 2 Less Resource Intensive	Scenario 3 More Resource Intensive
Total Population	DOF	DOF	Higher than DOF
Population Density	DOF	Higher than DOF	Lower than DOF
Population Distribution	DOF	DOF	Higher Inland & Southern; Lower Coastal & Northern
Total Commercial Activity	Current Trend	Increase in Trend	Increase in Trend (Same as Scenario 2)
Commercial Activity Mix	Current Trend	Decrease in High Water-using Activities	Increase in High Water-using Activities
Total Industrial Activity	Current Trend	Increase in Trend	Increase in Trend (Same as Scenario 2)
Industrial Activity Mix	Current Trend	Decrease in High Water-using Activities	Increase in High Water-using Activities
Irrigated Crop Area (Includes Irrigated Land Area and Multi-cropped area)	Current Trend	Level Out at Current Crop Area	Level Out at Current Crop Area
Crop Unit Water Use	Current Trend	Decrease in Crop Unit Water Use	Increase in Crop Unit Water Use
Environmental Water—Flow Based	Current Trend	High Environmental Protection	Year 2000 Level of Use
Environmental Water—Land Based	Current Trend	High Environmental Protection	Year 2000 Level of Use
Naturally Occurring Conservation ²	NOC Trend in MOUs	Higher than NOC Trend in MOUs	Lower Than NOC Trend in MOUs
Urban Water Use Efficiency	All Cost Effective BMPs in Existing MOUs Implemented by Current Signatories (present commitments)		
Ag Water Use Efficiency	All Cost Effective EWMPs in Existing MOUs Implemented by Current Signatories (present commitments)		
Per Capita Income	Current Trends		
Ratio of Seasonal to Permanent Crop Mix	Current Trends		
Irrigated Land Retirement	Currently Planned		
Hydrology	Essentially a Repeat of History		
Climate Change	Essentially a Repeat of History		
Colorado River Supply	Equal to 4.4 Plan		
Existing Inter-regional Import Projects	Current Conditions		
Flood Management	Current capacities, management practices, and operations		
Energy Costs	As Projected From Current Trends		
Ambient Water Quality	Current Conditions		
Drinking Water Standards	Current and Planned		
Ag Discharge Requirements	Current and Planned		
Urban Runoff Mgmt.	Current Level of Use		
Recreation	Present Demand Trends Continued		
Desalting	Current Level + Permitted/Financed		
Recycled Water	Current Level + Permitted/Financed		
Water Transfers within Regions	Currently Approved Transfers		
Water Transfers between Regions	Currently Approved Transfers		
Conjunctive Use and Groundwater Management	Current Level + Permitted/Financed		
Surface Water Storage	Current Level + Permitted/Financed		
Conveyance Facilities	Current Level + Permitted/Financed		
Rate Structure	Current Practices - pricing constrained to cost recovery		

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

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