

Benefits and Costs

Estimated Benefits and Costs of Alternatives*					
Alternative Dam Raise	CP1 6.5 Feet	CP2 12.5 Feet	CP3 18.5 Feet	CP4 18.5 Feet	CP5 18.5 Feet
PRIMARY OBJECTIVE BENEFITS					
Water Supply Reliability					
Critical & Dry Years Increased CVP/SWP deliveries (acre-feet)	47,300	77,800	63,100	47,300	113,500
Average Annual Increased CVP/SWP deliveries (acre-feet)	31,000	51,300	61,700	31,000	75,900
Increased water use efficiency funding	Yes	Yes	Yes	Yes	Yes
Increased emergency water supply response capability	Yes	Yes	Yes	Yes	Yes
Andromous Fish Survival					
Average annual increase in anadromous fish	61,300	379,200	207,400	812,600	377,800
Spawning gravel augmentation (tons)	—	—	—	10,000	10,000
Side-channel rearing habitat restoration	—	—	—	Yes	Yes
SECONDARY OBJECTIVE BENEFITS					
Develop Additional Hydropower Generation					
Increased hydropower generation (GWh/year)	54	90	90	133	117
Flood Damage Reduction					
Increased reservoir capacity for capture of flood flows	Yes	Yes	Yes	Yes	Yes
Preserve, Restore, and Enhance Ecosystem Resources					
Reservoir shoreline enhancement (acres)	—	—	—	—	130
Reservoir tributary aquatic habitat enhancement (miles)	—	—	—	—	6
Riparian and floodplain habitat restoration	—	—	—	Yes	Yes
Increased ability to meet flow and temperature requirements along the Upper Sacramento River	Yes	Yes	Yes	Yes	Yes
Preserve or Improve Water Quality					
Improved Delta water quality/emergency response	Yes	Yes	Yes	Yes	Yes
Preserve and Increase Recreation					
Recreation (increased user days, 1,000)	89	134	205	370	175
Modernization of relocated recreation facilities	Yes	Yes	Yes	Yes	Yes
ESTIMATED COST					
Total Estimated Construction Cost (\$Million)	\$891	\$984	\$1,147	\$1,154	\$1,174

* Benefits and Costs have been updated since the February 2012 release of the Draft Feasibility Report
CVP = Central Valley Project
SWP = State Water Project
GWh = Gigawatt Hours
CP = Comprehensive Plan