Summary of Alternative Plan Accomplishments

Accomplishments of the action alternatives are summarized in Table ES-2.

Table ES-2. Potential Physical Accomplishments of Action Alternatives

Potential Physical Accomplishments[1,2]	Alternative Plan 1	Alternative Plan 2	Alternative Plan 3	Alternative Plan 4	Alternative Plan 5
Dry and Critical Year Increase in Total Delivery (TAF)	19	24	30	21	121
Long-Term Average Annual Increase in Agricultural Delivery (TAF)[3]	30	49	52	41	94
Long-Term Average Annual Increase in M&I Delivery (TAF)	40	22	24	20	-7
Long-Term Average Annual Increase in Total Delivery (TAF)	70	71	76	61	87
Long-Term Average Annual Spring-Run Chinook Abundance Increase–High SAR (percent)[4]	2.8%	2.8%	0.6%	4.9%	-8.8%
Dry and Critical Year Spring-Run Chinook Abundance Increase–High SAR (percent)[4]	15.9%	13.2%	14.7%	13.2%	18.3%
Long-Term Average Annual Spring-Run Chinook Abundance Increase–Low SAR (percent)[4]	0.6%	0.4%	-0.6%	2.8%	-13.1%
Dry and Critical Year Spring-Run Chinook Abundance Increase–Low SAR (percent)[4]	14.0%	9.2%	13.3%	11.1%	16.3%
Net Increase in Friant Dam Hydropower Generation (GWh/year)	15.7	15.6	15.6	15.7	14.0
Replacement of Kerckhoff Hydroelectric Project Value (percent)[5]	83.8%	83.8%	83.8%	91.2%	73.4%
Increase in Recreation (thousands of visitor-days)[6]	108	109	106	120	69
Increase in Incidental Flood Space (TAF)[7]	354 – 481	353 – 479	351 – 470	243 – 347	406 – 555

Notes:

[1] Operations based on Reclamation March 2012 CalSim II Benchmark with Formal ESA Consultation on the Proposed Coordinated Operations of the CVP and SWP (USFWS 2008) and Biological Opinion and Conference Opinion on the Long-Term Operations of the CVP and SWP (NMFS 2009).

[2] Accomplishments are reported as changes in comparison to No Action Alternative.

[3] Simulated water demands in the Friant Division of the CVP are based on existing Class 1 and Class 2 contracts.

[4] Action alternatives are compared to the No Action Alternative, which varies depending on the SAR.

[5] Impacts to Kerckhoff Hydroelectric Project will be mitigated. Costs include additional reimbursement required after onsite replacement.

[6] Sum of potential annual visitor days at Millerton Lake and Temperance Flat RM 274 Reservoir.

[7] Incidental flood space is the flood space available during November through March at the 90 percent exceedance.

Key:
CVP = Central Valley Project
GWh/year = gigawatt hours per year
M&I = municipal and industrial
mg/L = milligrams per liter
NE = not evaluated
RM = river mile
SAR = smolt-to-adult return rate
SWP = State Water Project
TAF = thousand acre-feet
TDS = total dissolved solids