

Table ES-3. Annual Costs, Annual Benefits, Net Benefits, and Benefit-Cost Ratio for Alternative Plans¹ (\$ million)

| <i>Alternative Plan</i> | 1 | | 2 | | 3 | | 4 | |
|--|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|
| Total Estimated Investment Cost | \$2,488 | | \$2,488 | | \$2,488 | | \$2,578 | |
| Interest and Ammortization ² | \$95.7 | | \$95.7 | | \$95.7 | | \$99.2 | |
| Other Annual Costs ³ | \$25.1 | | \$21.6 | | \$21.8 | | \$16.7 | |
| Total Annual Cost | \$120.8 | | \$117.3 | | \$117.5 | | \$115.9 | |
| Agricultural Water Supply Reliability Benefits | \$18.6 | | \$20.8 | | \$20.8 | | \$18.9 | |
| M&I Water Supply Reliability Benefits | \$43.2 | | \$24.0 | | \$25.7 | | \$22.3 | |
| Emergency Water Supply Benefits | \$25.9 | | \$26.0 | | \$25.8 | | \$27.1 | |
| M&I Water Quality Benefits | \$0.0 | | \$0.0 | | \$2.0 | | \$0.0 | |
| Hydropower Benefits at Friant Dam | \$1.6 | | \$1.6 | | \$1.6 | | \$1.6 | |
| Recreation Benefits | \$6.6 | | \$6.6 | | \$6.4 | | \$7.4 | |
| Flood Damage Reduction Benefits | \$5.0 | | \$5.0 | | \$4.9 | | \$4.0 | |
| Potential Annual Monetary Benefits (without ecosystem benefits) | \$100.9 | | \$84.0 | | \$87.2 | | \$81.3 | |
| With Ecosystem Benefits⁴ | <i>Low SAR</i> | <i>High SAR</i> | <i>Low SAR</i> | <i>High SAR</i> | <i>Low SAR</i> | <i>High SAR</i> | <i>Low SAR</i> | <i>High SAR</i> |
| Ecosystem Enhancement Benefits (6-County Level) | \$3.9 | \$2.2 | \$2.5 | \$2.2 | \$2.7 | \$0.5 | \$4.9 | \$3.9 |
| Ecosystem Enhancement Benefits (CA Level) | \$59.6 | \$34.1 | \$38.8 | \$33.9 | \$40.9 | \$7.6 | \$75.6 | \$59.5 |
| Ecosystem Enhancement Benefits (U.S. Level) | \$391.7 | \$224.2 | \$255.2 | \$222.9 | \$269.2 | \$49.7 | \$496.9 | \$391.3 |
| Total Potential Annual Monetary Benefits (with CA level ecosystem benefits) | \$160.5 | \$135.0 | \$122.8 | \$117.9 | \$128.1 | \$94.8 | \$156.9 | \$140.8 |
| Total Potential Annual Monetary Benefits (with U.S. level ecosystem benefits) | \$492.6 | \$325.1 | \$339.2 | \$306.9 | \$356.4 | \$136.9 | \$578.2 | \$472.6 |
| Potential Net Benefits (CA level) | \$39.7 | \$14.2 | \$5.5 | \$0.6 | \$10.6 | -\$22.7 | \$41.0 | \$24.9 |
| Potential Net Benefits (U.S. level) | \$371.8 | \$204.3 | \$221.9 | \$189.6 | \$238.9 | \$19.4 | \$462.3 | \$356.7 |
| Preliminary Benefit-Cost Ratio (CA level) | 1.33 | 1.12 | 1.05 | 1.01 | 1.09 | 0.81 | 1.35 | 1.21 |
| Preliminary Benefit-Cost Ratio (U.S. level) | 4.08 | 2.69 | 2.89 | 2.62 | 3.03 | 1.17 | 4.99 | 4.08 |

Notes: General: All benefits and costs are reported in January 2013 dollars. All numbers are rounded for display purposes; therefore, line items may not sum to totals.

¹ All benefits are reported as changes compared to the respective future No-Action Alternative conditions.

² 100-year period of analysis, and 3.75 percent interest rate (Federal discount rate).

³ Other annual costs include O&M for reservoir facilities, additional hydropower mitigation, and net additional CVP/SWP power costs. Does not include water conveyance costs beyond the net power requirement for delivering the new water supply, and additional costs may be incurred to achieve the intended benefits.

⁴ The monetary valuation of ecosystem benefits is uncertain, so ranges are presented to capture varying anadromous fish return rates and geographic extent of the ecosystem benefits.

Key:\$ million = million dollars

CA = California

CVP = Central Valley Project

M&I = municipal and industrial

NED = National Economic Development

O&M = operations and maintenance

SAR = smolt-to-adult-return rate

SWP = State Water Project

US = United States