

San Francisco Bay Area Regional Priority Projects and Programs Attachment 10 – Cost and Benefit Summary

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1 Summary

As shown in Table 20 on the following page, the Proposal provides significant water supply, water quality and other benefits. The total Proposal cost, expressed in present value terms, is \$101.9 million. The Proposal will yield the following quantifiable¹ benefits, all expressed in 2009 dollars and present value terms:

- \$108 million in Water Supply Benefits
- \$167 million in Water Quality and Other Benefits

This equates to a present value of \$275 million in proposed benefits, with benefits outweighing costs by a factor of 2.7.

¹ Benefit value does not include qualitative flood protection and water quality improvement benefits.

Table 20 - Proposal Project Costs and Benefits Summary							
Proposal: San Francisco Bay Regional Priority Projects and Programs							
Agency: Bay Area Clean Water Agencies (BACWA)							
Project	Lead Agency	Total Present Value Project Costs (1)	Total Present Value Project Benefits				B/C Ratio
			Water Supply (2)	Flood Damage Reduction (3)	Water Quality and Other (4)	Total	
(a)	(b)	(c)	(d)	(e)	(f)	(g) (d) + (e) + (f)	(h) (g) / (c)
Bay Area Regional Recycled Water Program	Bay Area Clean Water Agencies	\$53,088,810	\$80,939,000	\$0	\$1,066,000	\$82,005,000	1.5
Bay Area Regional Water Conservation Program	Solano County Water Agency	\$12,721,554	\$24,670,740	\$0	+	\$24,670,740	1.9
Bay Area Wetland Ecosystem Restoration Project [1]	Slate Coastal Conservancy	\$25,667,511	\$0	\$0	\$165,200,000	\$165,200,000	6.4
Regional Green Infrastructure Capacity Building Program	San Francisco Estuary Partnership	\$8,277,336	\$30,359	\$0	\$397,255	\$427,614	0.1
Integrated Water Quality Improvement, Flood Management and Ecosystem Restoration in Bay Area Disadvantaged Communities	San Francisco Estuary Partnership	\$2,152,663	\$2,670,006	+	++	\$2,670,006	1.2
TOTAL		\$101,907,874	\$108,310,105	\$0	\$166,663,255	\$274,973,360	2.7
<p>Comments: "+" or "++" indicates nonmonetized benefits, typically including reduced energy demands and reduced carbon footprint, and/or improved ecosystems/habitat, and/or reduced stress on the greater Bay-Delta system, or reduced flood damages that are not quantified. [1] For project #4, the value of the 2300 acres of coastal wetlands created may be valued for a wide range of services provided, and may easily exceed \$250 million in present value. The \$250 million figure is used as a rough but probably highly conservative estimate, as explained in Attachment 8.</p>							