

Attachment 10.1 – Supporting Documents

Cost and Benefit Summary

Madera Region – IRWM Implementation Grant Application

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Attachment 10.1, Cost and Benefit Summary

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Cost and Benefit Summary

The following chart summarizes the costs and benefits of the proposed projects. These benefits include water supply, flood damage reduction, water quality and fire suppression costs. It should be noted that although they were not quantified, these project will bring additional substantial benefits in ecosystem restoration, water quality and water supply. Taking into account only benefits which are measurable, benefit/cost ratios range from 1.2 to 21.0 for the individual projects. **The overall ratio is 5.0.**

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Attachment 10.1, DWR Economic Table 20

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Table 20 - Proposal Project Costs and Benefits Summary
Madera IRWM Implementation Grant

Project	Agency	Total Present Value Project Costs (1)	Total Present Value Project Benefits				B/C Ratio
			Water Supply (2)	Flood Damage Reduction (3)	Other (4)	Total	
(a)	(b)	(c)	(d)	(e)	(f)	(g) (d) + (e) + (f)	(h) (g) / (c)
Ash Slough	Madera County	\$ 2,675,198	\$ -	\$ 56,264,434	\$ -	\$ 56,264,434	21.0
Cottonwood, Dry & Berenda Creek	Madera Irrigation District	\$ 2,542,861	\$ 3,236,410	\$ 11,229,536	\$ -	\$ 14,465,946	5.7
In-Lieu Recharge	Root Creek Water District	\$ 10,368,073	\$ 14,083,857	\$ 1,820,280	\$ 1,709,050	\$ 17,613,187	1.7
Fuel Reduction Project	Sierra National Forest	\$ 2,564,757	\$ -	\$ 2,779,013	\$ 360,712	\$ 3,139,725	1.2
TOTAL		\$18,150,889	\$17,320,267	\$72,093,263	\$2,069,762	\$91,483,292	5.0

- (1) From Exhibit C, Table 11, column (i). Or from Exhibit #, Table 17, column (i). If project is a multi-purpose project, avoid
- (2) From Exhibit C, Table 15, column (d)
- (3) From Exhibit E, Table 19, row (e)
- (4) From Exhibit D, Table 16, column (j)

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