

ATTACHMENT 10

Costs and Benefits Summary

Table 20 is used to calculate the benefit to cost ratio for the Haster Retarding Basin and Pump Station Project (Project). The Project is a flood control project that provides substantial Flood Damage Reduction Benefits in the Westminster Watershed. The Project also will provide water supply and water quality benefits. The value of water supply benefits have been calculated and included in the cost and benefit analysis. The value of water quality benefits is not considered to be economically significant. Therefore, water quality benefits have not been included in the cost and benefit analysis.

The Total Present Value of Project Costs is \$25,419,387, as calculated in Table 10. The Total Present Value of Project Benefits for Water Supply Reduction is \$129,794 as calculated in Table 15. The Total Present Value of Project Benefits for Flood Damage Reduction is \$379,004,794, as calculated in Table 12. Tables 10 and 12 were previously presented and may be found in Attachment 7. Table 15 was previously presented and may be found in Attachment 8.

As shown in Table 20 below, the benefit to cost ratio for the Haster Project is 14.9.

Table 20 - Proposal Project Costs and Benefits Summary for Proposition 1E Project: Haster Retarding Basin and Haster Pump Station (Haster) Agency: Orange County Public Works (OCPW)							
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)
Haster	OCPW	\$25,419,387	\$129,794	\$378,875,000		\$379,004,794	14.9
						\$0	0.0
						\$0	0.0
						\$0	0.0
TOTAL		\$25,419,387	\$129,794	\$378,875,000	\$0	\$379,004,794	14.9

(1) From Exhibit C, Table 10, column (i).

(2) From Exhibit D, Table 18, column (d)

(3) From Exhibit C, Table 12, row (e)

(4) From Exhibit E, Table 19, column (j)