

ATTACHMENT 8

COSTS AND BENEFITS SUMMARY

Tables 17 and 13 summarize the costs and benefits for the Ortega Reservoir Project.

Table 17 - Proposal Project Costs and Benefits Summary							
Proposal: Ortega Reservoir							
Project	Agency	Total Present Value Project Costs (1)	Total Present Value Project Benefits				B/C Ratio
			Flood Damage Reduction (2)	Water Supply (3)	Other Benefits	Total	
(a)	(b)	(c)	(d)	(e)	(f)	(g) (d) + (e) + (f)	(h) (g) / (c)
Ortega Reservoir	Santa Margarita Water District	\$38,655,003	\$9,995,330	\$44,261,779	\$0	\$54,257,109	1.40
TOTAL		\$38,655,003	\$9,995,330	\$44,261,779	\$0	\$54,257,109	1.40

1. See Table 16.
2. See Table 12.
3. See Table 7/14, 14(a).

Table 13 – Non-monetized Benefits Checklist		
No.	Question	Enter “Yes”, “No” or “Neg”
	Community/Social Benefits Will the proposal	
1	Provide education or technology benefits?	
	Examples are not limited to, but may include: <ul style="list-style-type: none"> - Include educational features that should result in water supply, water quality, or flood damage reduction benefits? - Develop, test or document a new technology for water supply, water quality, or flood damage reduction management? - Provide some other education or technological benefit? 	No
2	Provide social recreation or access benefits?	
	Examples are not limited to, but may include: <ul style="list-style-type: none"> - Provide new or improved outdoor recreation opportunities? - Provide more access to open space? - Provide some other recreation or public access benefit? 	Yes, the Reservoir is adjacent to a regional park.
3	Help avoid, reduce or resolve various public water resources conflicts?	
	Examples are not limited to, but may include: <ul style="list-style-type: none"> - Provide more opportunities for public involvement in water management? - Help avoid or resolve an existing conflict as evidenced by recurring fines or litigation? - Help meet an existing state mandate (e.g., water quality, water conservation, flood control)? 	Yes. See Attachment 10.
4	Promote social health and safety?	
	Examples are not limited to, but may include: <ul style="list-style-type: none"> - Increase urban water supply reliability for fire-fighting and critical services following seismic events? - Reduce risk to life from dam failure or flooding? - Reduce exposure to water-related hazards? 	Yes. See Attachments 8 and 10.

5	Have other social benefits?	
	<p>Examples are not limited to, but may include:</p> <ul style="list-style-type: none"> - Redress or increase inequitable distribution of environmental burdens? - Have disproportionate beneficial or adverse effects on disadvantaged communities, Native Americans, or other distinct cultural groups? 	No
	Environmental Stewardship Benefits: Will the proposal	
6	Benefit wildlife or habitat in ways that were not quantified in Attachment 7?	
	<p>Examples are not limited to, but may include:</p> <ul style="list-style-type: none"> - Cause an increase in the amount or quality of terrestrial, aquatic, riparian or wetland habitat? - Contribute to an existing biological opinion or recovery plan for a listed special status species? - Preserve or restore designated critical habitat of a listed species? - Enhance wildlife protection or habitat? 	Yes. See Attachment 10.
7	Improve water quality in ways that were not quantified in Attachment 7?	
	<p>Examples are not limited to, but may include:</p> <ul style="list-style-type: none"> - Cause an improvement in water quality in an impaired water body or sensitive habitat? - Prevent water quality degradation? - Cause some other improvement in water quality? 	Yes. See Attachment 10.
8	Reduce net emissions in ways that were not quantified in Attachment 7?	
	<p>Examples are not limited to, but may include:</p> <ul style="list-style-type: none"> - Reduce net production of greenhouse gasses? - Reduce net emissions of other harmful chemicals into the air or water? 	Yes. See Attachment 10.
9	Provide other environmental stewardship benefits, other than those claimed in Sections D1, D3 or D4?	Yes.
	Sustainability Benefits:	
10	Improve the overall, long-term management of California groundwater resources?	
	<p>Examples are not limited to, but may include:</p> <ul style="list-style-type: none"> - Reduce extraction of non-renewable groundwater? - Promote aquifer storage or recharge? 	Yes. See Attachments 8 and 10.

11	Reduce demand for net diversions for the regions from the Delta?	Yes.
12	Provide a long-term solution in place of a short-term one?	
	Examples are not limited to, but may include: <ul style="list-style-type: none"> - Replace a temporary water supply with a more permanent supply? - Replace a temporary water quality solution with a more permanent solution? - Replace temporary flood control management with a more permanent solution? - Replace temporary habitat with a more permanent solution? 	Yes. See Attachments 8 and 10.
13	Reduce water consumption on a permanent basis?	Yes.
14	Promote energy savings or replace fossil fuel based energy sources with renewable energy and resources?	
	Examples are not limited to, but may include: <ul style="list-style-type: none"> - Reduce net energy use on a permanent basis? - Increase renewable energy production? - Include new buildings or modify buildings to include certified LEED features? - Provide a net increase in recycling or reuse of materials? - Replace unsustainable land or water management practices with recognized sustainable practices? 	Yes. See Attachments 8 and 10.
15	Improve water supply reliability in ways not quantified in Attachment 7?	
	Examples are not limited to, but may include: <ul style="list-style-type: none"> - Provide a more flexible mix of water sources? - Reduce likelihood of catastrophic supply outages? - Reduce supply uncertainty? - Reduce supply variability? 	Yes. See Attachments 8 and 10.
16	Other (If the above listed categories do not apply, provide non-monetized benefit description)?	N/A