

Physical and Economic Benefits Summary

November 2016

The previously proposed Physical and Economic Benefits Summary text is set forth below in normal type. The proposed changes are shown in single underline to indicate additions and ~~strikeout~~ to indicate deletions for this document only. For purposes of the Water Storage Investment Program draft regulations, as noted at the top of the proposed draft regulations, those changes are in shown in double underline to indicate additions and ~~double-strikeout~~ to indicate deletions.

Part 1. Magnitude of Water System Improvements							
		2030			2070		
		With Project	Without Project	Difference	With Project	Without Project	Difference
Water Supply Reliability⁴	Enter Page Number from Application						
Average Water Deliveries (TAF/year)							
Dry and Critical Years Average Water Deliveries (TAF/year)							
Water System Flexibility²							
End of May Storage (TAF)							
End of September Storage (TAF)							
<small>⁴ Applicants shall account for improvements in water deliveries in all State water systems affected by the project</small>							
<small>² Applicants shall account for improvements in surface and groundwater storage conditions in all State water systems affected by the project</small>							

Part 1 2. Physical and Economic Benefits. Repeat this block for each category of public or non-public benefit quantified							
Enter Benefit Category here ¹							
Repeat Rows 1 through 4 for every quantified physical benefit in this benefit category							
1. Physical Benefit Name:					Notes:		
2. Physical Benefit Measurement Units:					Notes:		
		2030			2070		
		With Project	Without Project	Difference	With Project	Without Project	Difference
3. Net Physical Benefit Measurement ²	Enter Page Number from Application						
4. Annual Economic Benefit, 2015 \$ Million/Yr							
5. Total Annual Monetized Benefit for the Category (sum of all row 4s.)							

¹ Enter one of these benefits: Ecosystem, Water Quality, Flood Control, Emergency Response, Recreation, or Non-public benefit

² Net of any non-mitigated physical effects

Part 2-3. Total Economic Net Benefits and Allocated Cost by Benefit Category in 2015 \$ Million							Total Public Benefits	Non-Public Benefits	Total public and non-public benefits ¹
Sum of annual economic net benefits by type	Enter Page Number from Application	Ecosystem	Water Quality	Flood Control	Emergency Response	Recreation			
Sum of 2030 benefits from Part 1-2, Row 5									
Sum of 2070 benefits from Part 1-2, Row 5									
Present Value of Benefits over Planning Horizon using 3.5% Discount Rate									
Present Value of Total Project Costs Allocated to each Benefit Category									
Capital Costs Allocated to Each Benefit Category									
Total Requested Program Cost Share									

¹ Present value of total public and non-public benefits, total project costs, and total Program funding request must match numbers in Part 3-4

Part 3-4. Present Value of Project Costs, Cost-Effectiveness Measure, and Public Benefit Ratio, Million 2015 \$ Present Value		
	Enter Page Number of Application	2015 \$ Million Present Value
Project Costs		
Capital costs as defined in Program regulations		
Interest during construction		
Replacement costs		
Future environmental mitigation or compliance obligation costs		
Operations, maintenance and repair (OM&R) costs		
Other costs (describe)		
Present Value of Total Project Costs ¹		
Present Value of Cost of Least-Cost Alternative that Provides the Same Total Physical Benefits		
Present Value of All Public and Non-public Benefits ¹		
Ratio of Present Value of Total Monetized Net Benefits to the Total Project Costs		
Present Value of Public Benefits ¹		
Total Requested Program Cost Share ¹		
Public Benefit Ratio: Ratio of Present Value of Monetized Net Public Benefits to the Total Requested Program Cost Share		

¹ Must match numbers in Part 2-3