

## Appendix C - DWR Summary of Water Cost

In March of 2020, DWR used their Delta Simulation Model 2 to estimate the water cost of the ITP summer SMSCG action for several hypothetical scenarios (Table 1). The analysis determined an action in 2020 would not be possible due to its potential to impact minimum export requirements to maintain health and safety standards. The estimates of water cost ranged from 11.5 to 13.1 TAF. Scenarios with the 90% exceedance March DCO had exports at 300 cfs for both August and September, thus no gate operation would be possible based on these scenarios without violating Health and Safety minima. There was no potential to reduce exports in July in either the 50% or 90% Study. Operation was only possible in September based on 50% March DCO. Thus, DWR did not implement the ITP action in WY 2020.

Table 1. Summary of Water Cost and potential number of days of gate operation based on 50% March DCO for Each Operational Scenario

Scenario	DCO study	Operation Period	Operation Pattern	Days of tidal operation (simulated)	Daily extra flow	Total water cost (TAF)	Minimum Aug. exports (CFS)	Minimum Sep. exports (CFS)	Potential days of operation (Aug)	Potential days of operation (Sep).
A_90	90%	8/1/2020-8/30/2020	Continuous	30	212.2	12.6	512.2	-	0	-
A_50%	50%	8/1/2020-8/30/2020	Continuous	30	231.5	13.8	531.5	-	0	-
B_90%	90%	8/17/2020 - 9/15/2020	Continuous	30	222.4	13.2	400.4	411.2	0	0
B_50%	50%	8/17/2020 - 9/15/2020	Continuous	30	237.2	14.1	407.1	418.6	0	15
C_90%	90%	9/1/2020-9/30/2020	Continuous	30	193.0	11.5	-	493.0	-	0

<b>Scenario</b>	<b>DCO study</b>	<b>Operation Period</b>	<b>Operation Pattern</b>	<b>Days of tidal operation (simulated)</b>	<b>Daily extra flow</b>	<b>Total water cost (TAF)</b>	<b>Minimum Aug. exports (CFS)</b>	<b>Minimum Sep. exports (CFS)</b>	<b>Potential days of operation (Aug)</b>	<b>Potential days of operation (Sep).</b>
C_50%	50%	9/1/2020-9/30/2020	Continuous	30	198.4	11.8	-	498.4	-	30
D_90%	90%	8/3/2020-9/23/2020	Biweekly	30	116.8	12.0	405.5	389.5	0	0
D_50%	50%	8/3/2020-9/23/2020	Biweekly	30	126.7	13.1	414.4	397.1	0	23