HANDOUT #1

Initial Thoughts on Alternatives to Take Under the Proposed Project, as Discussed at the 2/19/09 Conveyance Working Group Meeting

Note: This document is incomplete

Plan Elements	Proposed Project/Action	No Project/No Action	Reduced Export Alternative (relative to proposed project)	Thru-Delta Only Alternative	Fully Isolated Alternative
North Delta	Dual facility	No canal	Dual facility	No canal	Fully isolated eastside canal
South Delta	Open thru-Delta using existing facilities in south Delta	Open thru-Delta using existing facilities in south Delta	Open thru-Delta using existing facilities in south Delta	Leveed through-Delta Isolated Old River with 4 gates; Middle River siphon under Old River	No thru-Delta conveyance
Timing of Operations	Year-round	Year-round	Dec 1-Jun 30: No exports	Year-round	Year-round
North Delta Diversion Bypass Flows	Option 1* Dec 1-Jun 30: Bypass flows of 11,000 cfs before any diversion into north Delta Diversion when the modified Fremont Weir is not operational. Bypass flows of 9,000 cfs when modified Fremont Weir spills are 2,000 cfs (daily average) or greater. Jul 1-Aug 31: Bypass flows of 5,000 cfs Sep 1-Nov 30: Bypass flows of 7,000 cfs Option 2* Bypass flows of 5,000	N/A	11,000 cfs (more restrictive) North Delta Diversion Bypass Criteria	N/A	11,000 cfs (more restrictive) North Delta Diversion Bypass Criteria

Plan Elements	Proposed Project/Action	No Project/No Action	Reduced Export Alternative (relative to proposed project)	Thru-Delta Only Alternative	Fully Isolated Alternative
	Year round *Additionally (for both options) at least 55% of river flows above minimum bypass flows during Feb-Apr, 45% during Jan and May, and 35% during Dec and Jun				
Three-mile Slough Gate	Installed and operated tidally	None	Installed and operated tidally	Installed and operated tidally	None
OMR flows	>-3,500 cfs during Dec 1- Jun 30 and >-5,000 cfs during Jul 1-Nov 30	OCAP BO	> -5000 cfs during Jul 1-Nov 30 (no exports Dec 1-Jun 30)	>-3,500 cfs during Dec 1- Jun 30 and >-5,000 cfs during Jul 1-Nov 30	>-3,500 cfs during Dec 1- Jun 30 and >-5,000 cfs during Jul 1-Nov 30
DCC	Nov 1-Jun 30: Closed (except possibly on weekends May 15-June 30) Jul 1-Aug 31: Open as required for central and south Delta water quality Sep 1-Oct 31: Open for up to half the time as required for central and south Delta water quality and fish protection	OCAP BO	D-1641	D-1641	Open for water quality in the south
Fremont Weir/Yolo Bypass	Period of Potential Operation: December 1-May 15. Desired Duration of Inundation: 30-45 days.	None	Period of Potential Operation: December 1-May 15. Desired Duration of Inundation: 30-45 days.	Period of Potential Operation: December 1-May 15. Desired Duration of Inundation: 30-45 days.	Period of Potential Operation: December 1-May 15. Desired Duration of Inundation: 30-45 days.

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	Target Spill Discharge: 2,000-4,000 cfs. Spill Frequency: As many times as hydrology allows. Stage for Activation: 17.5 ft (NAVD 88) Sacramento River at Fremont.		Target Spill Discharge: 2,000-4,000 cfs. Spill Frequency: As many times as hydrology allows. Stage for Activation: 17.5 ft (NAVD 88) Sacramento River at Fremont.	Target Spill Discharge: 2,000-4,000 cfs. Spill Frequency: As many times as hydrology allows. Stage for Activation: 17.5 ft (NAVD 88) Sacramento River at Fremont.	Target Spill Discharge: 2,000-4,000 cfs. Spill Frequency: As many times as hydrology allows. Stage for Activation: 17.5 ft (NAVD 88) Sacramento River at Fremont.
Delta Outflow		OCAP BO			
Water quality standards		D-1641			