

Alternative Narrowing Process

Small Isolated Delta Conveyance Facility - Without New Storage

Alternative 3C

Canal (Alt 3A)	Pipeline (Alt 3C)
Pumping plant lift: 10 ft	150 ft
Canal: 340 ft wide, 27 ft deep	Pipeline: three buried 18 foot diameter pipelines
Width of Right-of-Way: 1,000 ft	500 ft
Right-of-Way: 5,330 acres	2,515 acres
Siphon crossings under all waterways	Pipeline crossing under all waterways
Bridges over canal	Pipeline crossings
Recreation and wildlife habitat areas	Wildlife habitat
Introduction of pollutants	Water quality protected
Turnouts to service areas	Feeder lines to service areas
Easier to increase the capacity of the canal	Additional pipelines to increase capacity
Energy cost: \$1 Million/year	\$12 Million/year
Capital Cost: \$857 Million	\$2,067 Million
<p>Recommendation: Alternative 3A adequately represents the alternative concept and alternative 3C be dropped from consideration</p>	

Alternative Narrowing Process

Small Isolated Delta Conveyance Facility - With New Storage

Alternative 3D

Canal (Alt 3B)	Pipeline (Alt 3D)
Pumping plant lift: 10 ft	150 ft
Canal: 340 ft wide, 27 ft deep	Pipeline: three buried 18 foot diameter pipelines
Width of Right-of-Way: 1,000 ft	500 ft
Right-of-Way: 5,330 acres	2,515 acres
Siphon crossings under all waterways	Pipeline crossing under all waterways
Bridges over canal	Pipeline crossings
Recreation and wildlife habitat areas	Wildlife habitat
Introduction of pollutants	Water quality protected
Turnouts to service areas	Feeder lines to service areas
Easier to increase the capacity of the canal	Additional pipelines to increase capacity
Energy cost: \$1 Million/year	\$12 Million/year
Capital Cost: \$857 Million	\$2,067 Million
<p>Recommendation: Alternative 3B adequately represents the alternative concept and alternative 3D be dropped from consideration</p>	

Alternative Narrowing Process

Chain-of-Lakes

Alternative 3F

Chain-of Lakes (Alt 3F)	Large I.F. with in-Delta Storage (Alt 3E)
Move intake from DCC to Hood and screen to 15,000 cfs ,Eliminate distributed screens	15,000 cfs screened intake at Hood
Gravity option: 825 TAF of storage, 174 to 200 TAF of operational storage	180 to 200 TAF of operational in-Delta storage
37,000 acres of impacted agricultural land, habitat and future habitat	18,728 acres impact land mostly agricultural
18,000 to 36,000 Ac-ft of additional evaporation loss	9,000 to 18,000 Ac-ft of additional evaporation loss
Could have TOC problems	Option to use canal or storage
Capital Cost: \$2,367	\$1,712
<p>Recommendation: Alternative 3E adequately represents the alternative concept and alternative 3F be dropped from consideration.</p>	

Alternative Narrowing Process
Multiple Intakes Conveyance Option
Alternative 2C

3 Intakes (Alt 2C)	4 Intakes (Alt 3I)
Intakes in western, central, and southern Delta, I.F.s to CCFB	Extend central I.F. to Sacramento River at Hood. Siphon under San Joaquin
Move screens to intakes to reduce predation	Screen all intakes
Still draws Sacramento River water across Delta	Option to fully screen Sacramento River water
Flexibility limited to central and south Delta	Offers flexibility to adjust diversions north and south Delta
No new storage	Storage flexibility to manage diversions
Conveyance Capital cost: \$2,281	
<p>Recommendation: Carry the concept and system flexibility forward into alternative 3I and drop alternative 2C from consideration.</p>	

Alternative Narrowing Process

Western Delta Isolated Conveyance Facility

Alternative 3G

Ship Channel (Alt 3G)	Eastside Canal (Alt 3B)
Intake near Sacramento	Intake at Hood
Intake upstream of Sacramento Regional WWTP discharge	Intake downstream of Sacramento Regional WWTP discharge
Feeder lines to western Delta service areas	Feeder lines to east and southeast Delta service areas
Lock impacts on Port of Sacramento	No navigation impacts
Canal passes through rapid urbanizing areas	Route avoids major urban areas
Right-of-way: 1,854 acres	5,330 acres
Wildlife habitat	Recreation and wildlife habitat
Additional pipelines or tunnel to increase capacity	Easier to increase the capacity of the canal
Energy cost: \$2 Million/year	\$1 Million/year
Capital Cost: \$2,314 Million	\$857 Million
<p>Recommendation: Alternative 3B adequately represents the alternative concept and alternative 3G be dropped from consideration.</p>	