



Bureau of Reclamation



**San Luis & Delta-Mendota
Water Authority**



**California Department of
Water Resources**

Fact Sheet - Delta-Mendota Canal/California Aqueduct Intertie

Authorization

- The Delta-Mendota Canal/California Aqueduct Intertie (Intertie) was authorized as an Operations and Maintenance activity in Public Law 108-3612004 CALFED Bay-Delta Authorization Act.

Purpose

- The purpose of Intertie is to connect the Delta-Mendota Canal (DMC) and the California Aqueduct (CA) to provide operational flexibility in providing water for Central Valley Project (CVP) contractors while not affecting the permitted level of pumping or the capacity of the Jones Pumping Plant (Jones) or the Banks Pumping Plant (Banks).
- The Intertie will:
 - Be used to meet current water supply demands
 - Allow for the maintenance and repair of CVP and State Water Project (SWP) Delta export and conveyance facilities with less interruption to service
 - Provides operational flexibility in response to emergencies related to both the CVP and SWP

The Intertie will compensate for conveyance constraints that restrict Jones Pumping Plant to less than its original design capacity of 4600 cubic-feet-per second (cfs).

Physical Facts about the Intertie:

- Located at DMC mile 7.2 and CA Mile 9
- Downstream from the Jones and Banks
- 500 ft horizontal and 50 ft vertical between the DMC and CA at Intertie site
- Intertie pumping capacity is 467 cfs (DMC to CA) and gravity flow from CA to DMC is 900 cfs
- Buried pipeline (two 108 inch diameter pipes)
- Federally constructed and owned

Operations:

- Intertie included in ESA consultation for CVP and SWP Operations (in the BOs)
- Primarily used in the fall and winter to fill CVP San Luis earlier
- 35 TAF long-term annual average increase in CVP deliveries (per OCAP BA modeling)
- Intertie operations are constrained by Jones PP operating restrictions
 - If Jones Pumping Plant is restricted, then the Intertie will not be in operation
 - Cannot/will not be operated to “get around” pumping restrictions at Banks and Jones Pumping Plants

Project Benefits:

Operation of the Intertie will:

- Improve CVP water deliveries to south of Delta contractors hard hit by drought.
- Fill CVP San Luis earlier in the water year and more frequently
- Provide flexibility during CVP or SWP maintenance activities or emergencies

Implementation Schedule:

- Construction contract awarded July 2010
- CA turnout construction during 2011 VAMP period (April-May) when pumping was curtailed and water levels are lower
- complete by April 2012.

Costs/Funding:

- Estimated project cost - \$29M (includes transmission line, mitigation, design support, contingency, etc.)
- Intertie was constructed using appropriated and contributed funds; once put into service the Intertie is to be repaid by benefitting water districts