

Water Resources Management - Imported Supply Unit
Estimated Power Rate for Planned State Water Project Receipts
2012

Month	January-13				Total	SWP
	Table A	WSO SWP	CY 2012 SOC		Off Aqueduct	Unit Net
	Project	Delv.	Water		Power	Variable
	Water	Planning%**	Receipts**		Charges**	Rate**
	AF		AF		\$	\$/AF
O'Neill			-			13.99
Central Valley			166,390			19.68
Mojave Valley			12,490			183.70
East Branch			485,441			140.86
West Branch			553,077			135.28
Total	1,911,500		1,217,398		84,701,797	

** Variable input for calculations - subject to regular revision

Notes
Table A Project Water - DWR Bulletin 132 Table B-4 Water Receipts - MWD's 2012 SWP Delivery Schedule -- 65% Alloc. Dec 13, 2012 Update
Variable Rates from DWR Plant Unit Rates table dated Feb. 16, 2012 Total OAPF Charges from DWR Invoice No. 12-013-O-Revised Jul. 1, 2012, without bond cover.

CALCULATIONS (based on source data)

1. Power Requirements for WSO Planned SWP Receipts

	AF	Max Power Requirements kWh/AF	kWh
O'Neill	-	296	-
Central Valley	166,390	434	72,213,260
Mojave Valley	12,490	4,549	56,817,010
East Branch	485,441	4,549	2,208,271,109
West Branch	553,077	4,126	2,281,995,702
Total	1,217,398		4,619,297,081

2. Off Aqueduct Power Facilities Rate/kWh

Total Costs (DWR CY 2012 SOC)	\$ 84,701,797
Total Power Required for SWP Receipts -kWh	4,619,297,081
Rate \$/kWh	0.018336512

3. Off Aqueduct Power Facilities Rate for Planned SWP Receipts

	kWh/AF	Rate \$/kWh	\$/AF
East Branch	4,549	0.018336512	83.41
West Branch	4,126	0.018336512	75.66

4. Power Rate for Planned SWP Receipts**

	Variable \$/AF	Off-Aqueduct \$/AF	2012 Total \$/AF
East Branch	140.86	83.41	224.27
West Branch	135.28	75.66	210.93

** Subject to regular revision

Power Requirements Calculation

In order to determine the charge per acre foot on the East Branch it is necessary to determine the rate per kWh
Calculation 1 determines the total kWh required for the planned SWP receipts.
Rate per kWh is determined as Total Cost/Total kWh

SWP receipts from 12/13/12 SWP Delivery Schedule
Power Requirements - State Water Project Analysis Office - fixed

OAPF Rate Calculation
Calculation 2 the \$ Rate per kWh is total charges over total kWh

Calculation 3 determines the OAPF \$ rate per acre foot for planned receipts.

Rate/AF
Calculation 4 combines the net variable rate and the Off-Aqueduct rate to provide a total rate