

Water Resources Management - Imported Supply Unit
Estimated Power Rate for Planned State Water Project Receipts
2013

Month	April-13				Total	SWP
	Table A	WSO SWP	CY 2013 SOC		Off Aqueduct	Unit Net
	Project	Deliv.	Water		Power	Variable
	Water	Planning%**	Receipts**		Charges**	Rate**
	AF		AF		\$	\$/AF
O'Neill			-			15.71
Central Valley			1,100			22.47
Mojave Valley			-			217.68
East Branch			340,147			173.50
West Branch			504,925			164.12
Total	1,911,500		846,172		45,316,300	

** Variable input for calculations - subject to regular revision

Notes
Table A Project Water - DWR Bulletin 132 Table B-4 Water Receipts - MWD's 2013 SWP Delivery Schedule -- 35% Alloc. Apr. 4, 2013 Update
Variable Rates from DWR Plant Unit Rates table dated Feb. 8, 2013 Total OAPF Charges from DWR Invoice No. 13-013-O Jun. 30, 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	1,100	434	477,400
Mojave Valley	-	4,549	-
East Branch	340,147	4,549	1,547,328,703
West Branch	504,925	4,126	2,083,320,550
Total	846,172		3,631,126,653

2. Off Aqueduct Power Facilities Rate/kWh

Total Costs (DWR CY 2013 SOC)	\$ 45,316,300
Total Power Required for SWP Receipts -kWh	3,631,126,653
Rate \$/kWh	0.012479956

3. Off Aqueduct Power Facilities Rate for Planned SWP Receipts

	kWh/AF	Rate \$/kWh	\$/AF
East Branch	4,549	0.012479956	56.77
West Branch	4,126	0.012479956	51.49

4. Power Rate for Planned SWP Receipts** **2013**

	Variable \$/AF	Off-Aqueduct \$/AF	Total \$/AF
East Branch	173.50	56.77	230.27
West Branch	164.12	51.49	215.61

** 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 4/4/13 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