

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

Month	January-12			Total	SWP
	Table A	WSO SWP	CY 2011 SOC	Off Aqueduct	Unit Net
	Project	Delv.	Water	Power	Variable
	Water	Planning%**	Receipts**	Charges**	Rate**
	AF		AF	\$	\$/AF
	O'Neill		78,324		12.16
	Central Valley		295,539		17.28
	Mojave Valley		45,048		161.28
	East Branch		890,560		123.98
	West Branch		375,921		113.25
	Total	1,911,500	1,685,392	96,099,855	

** Variable input for calculations - subject to regular revision

Notes
Table A Project Water - DWR Bulletin 132 Table B-4 Water Receipts - Metropolitan's 2011 SWP Delivery Schedule -- 80% Allocation Jan 10, 2012 ver
Variable Rates from DWR Plant Unit Rates table dated Apr. 20, 2011 (energy at 33.88 Mills/kWh) Total OAPF Charges from DWR Invoice No. 11-013-O-Revised dated Jul. 1, 2011

CALCULATIONS (based on source data)

1. Power Requirements for WSO Planned SWP Receipts

	Max Power Requirements		
	AF	kWh/AF	kWh
O'Neill	78,324	296	23,183,904
Central Valley	295,539	434	128,263,926
Mojave Valley	45,048	4,549	204,923,352
East Branch	890,560	4,549	4,051,157,440
West Branch	375,921	4,126	1,551,050,046
Total	1,685,392		5,958,578,668

2. Off Aqueduct Power Facilities Rate/kWh

Total Costs (DWR CY 2011 SOC)	\$ 96,099,855
Total Power Required for SWP Receipts -kWh	5,958,578,668
Rate \$/kWh	0.016127983

3. Off Aqueduct Power Facilities Rate for Planned SWP Receipts

	kWh/AF	Rate \$/kWh	\$/AF
East Branch	4,549	0.016127983	73.37
West Branch	4,126	0.016127983	66.54

4. Power Rate for Planned SWP Receipts**

	Variable	Off-Aqueduct	Total
	\$/AF	\$/AF	\$/AF
East Branch	123.98	73.37	197.34
West Branch	113.25	66.54	179.79

** 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 1/10/12 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