

Water Resources Management - Imported Supply Unit
Estimated Power Rate for Planned State Water Project Receipts
2014

Month	February-14				Total	SWP
	Table A	WSO SWP	CY 2014 SOC		Off Aqueduct	Unit Net
	Project	Delv.	Water		Power	Variable
	Water	Planning%**	Receipts**		Charges**	Rate**
	AF		AF		\$	\$/AF
	O'Neill		-			21.77
	Central Valley		28,431			30.27
	Mojave Valley		-			277.54
	East Branch		167,660			224.48
	West Branch		371,766			219.61
	Total	1,911,500	567,857		28,212,923	

** Variable input for calculations - subject to regular revision

Notes

Table A Project Water - DWR Bulletin 132 Table B-4
Water Receipts - MWD WSO Current Trend Demands dated 2/4/2014 assuming 219 kaf of flex withdrawal, 65,000 af on East Branch and 153,940 af on West Branch. Assumes return obligations of 20,000 af to Arvin Edison and 8,431 af to SCVWD.
Variable Rates from DWR Plant Unit Rates table dated Jan. 30, 2014.
Total OAPF Charges from DWR Invoice No. 14-014-O Jun. 30, 2013, 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	28,431	434	12,339,054
Mojave Valley	-	4,549	-
East Branch	167,660	4,549	762,685,340
West Branch	371,766	4,126	1,533,906,516
Total	567,857		2,308,930,910

2. Off Aqueduct Power Facilities Rate/kWh

Total Costs (DWR CY 2014 SOC)	\$ 28,212,923
Total Power Required for SWP Receipts -kWh	2,308,930,910
Rate \$/kWh	0.012219042

3. Off Aqueduct Power Facilities Rate for Planned SWP Receipts

	kWh/AF	Rate \$/kWh	\$/AF
East Branch	4,549	0.012219042	55.58
West Branch	4,126	0.012219042	50.42

4. Power Rate for Planned SWP Receipts**

	Variable \$/AF	Off-Aqueduct \$/AF	2014 Total \$/AF
East Branch	224.48	55.58	280.07
West Branch	219.61	50.42	270.03

** 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 latest WSO current trend demands net of flex storage withdrawal
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