

Water Resources Management - Imported Supply Unit
 Estimated Power Rate for Planned State Water Project Receipts
 2015

Month	August-15				Total	SWP
	Table A	WSO SWP	CY 2015 SOC		Off Aqueduct	Unit Net
	Project	Delv.	Water		Power	Variable
	Water	<u>Planning%**</u>	<u>Receipts**</u>		<u>Charges**</u>	<u>Rate**</u>
	AF		AF		\$	\$/AF
O'Neill			-			20.99
Central Valley			-			29.09
Mojave Valley			-			256.88
East Branch			136,051			214.87
West Branch			398,440			202.73
Total	1,911,500		534,491		13,079,992	

**** Variable input for calculations - subject to regular revision**

Notes
Table A Project Water - DWR Bulletin 132 Table B-4 Water Receipts - Latest WSO "Strawman" Report to DWR: "Report for Tuan 20150728 - for Jim Wilde" Assumes total 576,674 AF to service area. Assumes total 42,183 AF DWA/CVWD/CWPD supplies to service area. Variable Rates from DWR Plant Unit Rates table dated Jul. 8, 2015. Central Valley Unit Net Variable Rate at Dos Amigos (Reaches 4 through 13B) Total OAPF Charges from DWR Invoice No. 15-013-O Jun. 30, 2014, 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	-	434	-
Mojave Valley	-	4,549	-
East Branch	136,051	4,549	618,895,999
West Branch	398,440	4,126	1,643,963,440
Total	534,491		2,262,859,439

2. Off Aqueduct Power Facilities Rate/kWh

Total Costs (DWR CY 2015 SOC)	\$ 13,079,992
Total Power Required for SWP Receipts -kWh	2,262,859,439
Rate \$/kWh	0.005780294

3. Off Aqueduct Power Facilities Rate for Planned SWP Receipts

	kWh/AF	Rate \$/kWh	\$/AF
East Branch	4,549	0.005780294	26.29
West Branch	4,126	0.005780294	23.85

4. Power Rate for Planned SWP Receipts**

	Variable \$/AF	Off-Aqueduct \$/AF	Total \$/AF
East Branch	214.87	26.29	241.16
EB from 12E	185.78	26.29	212.08
West Branch	202.73	23.85	226.58

**** 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