

Water Resources Management - Imported Supply Unit  
Estimated Power Rate for Planned State Water Project Receipts  
2016

Month	February-16				Total	SWP
	Table A Project Water AF	WSO SWP Delv. Planning%**	CY 2016 SOC Water Receipts**		Off Aqueduct Power Charges**	Unit Net Variable Rate**
			AF		\$	\$/AF
O'Neill			17,284			24.17
Central Valley			-			33.44
Mojave Valley			-			298.60
East Branch from 12E			98,716			218.77
East Branch			47,633			252.21
West Branch			473,664			243.09
Total	1,911,500		637,297		8,702,772	

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

Notes
Table A Project Water - DWR Bulletin 132 Table B-4 2016 SWP Delivery Schedule 30% allocation - initial order - 9/3/15 Assumes total xx AF to service area. Assumes total xx AF DWA/CVWD/VCWPD supplies to service area.
Variable Rates from DWR Plant Unit Rates table dated Feb. 5, 2016. Central Valley Unit Net Variable Rate at Dos Amigos (Reaches 4 through 13B) Total OAPF Charges from DWR Invoice No. 16-013-O Jun. 30, 2015, 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	17,284	296	5,116,064
Central Valley	-	434	-
Mojave Valley	-	4,549	-
East Branch from 12E	98,716	4,069	401,675,404
East Branch	47,633	4,549	216,682,517
West Branch	473,664	4,126	1,954,337,664
Total	637,297		2,577,811,649

2. Off Aqueduct Power Facilities Rate/kWh

Total Costs (DWR CY 2016 SOC)	\$ 8,702,772
Total Power Required for SWP Receipts -kWh	2,577,811,649
Rate \$/kWh	0.003376031

3. Off Aqueduct Power Facilities Rate for Planned SWP Receipts

	kWh/AF	Rate \$/kWh	\$/AF
East Branch	4,549	0.003376031	15.36
West Branch	4,126	0.003376031	13.93

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

	Variable \$/AF	Off-Aqueduct \$/AF	Total \$/AF
East Branch	252.21	15.36	267.57
EB from 12E	218.77	15.36	234.12
West Branch	243.09	13.93	257.02

\*\* 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