

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	Planning%**	Receipts**		Charges**	Rate**
	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\*\* 2015**

	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