

Water Resources Management - Imported Supply Unit  
 Estimated Power Rate for Planned State Water Project Receipts  
 2018

Month	February-18				Total	SWP
	Table A	WSO SWP	CY 2018 SOC	Off Aqueduct	Power	Unit Net
	Project	Delv.	Water	Charges**	Variable	Rate**
	Water	Planning%**	Receipts**			
	AF		AF	\$		\$/AF
O'Neill			-			22.76
Central Valley			5,000			30.91
Mojave Valley			-			260.06
East Branch			269,065			213.67
West Branch			283,757			215.02
Total	1,911,500		557,822	2,620,002		

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

Notes
Table A Project Water - DWR Bulletin 132 Table B-4
2018 SWP Delivery Schedule -- 20% allocation -- 2/5/2018 Update
Assumes total 702,665 AF to service area.
Assumes total 149,843 AF DWA/CVWD/CWCPD supplies to service area.
Variable Rates from DWR Plant Unit Rates table dated February 9, 2018.
Central Valley Unit Net Variable Rate at Dos Amigos (Reaches 4 through 13B)
Total OAPF Charges from DWR Invoice No. 18-013-O Jun. 30, 2017.

**CALCULATIONS (based on source data)**

**1. Power Requirements for Planned SWP Receipts**

	AF	Max Power Requirements kWh/AF	kWh
O'Neill	-	296	-
Central Valley	5,000	434	2,170,000
Mojave Valley	-	4,549	-
East Branch	269,065	4,549	1,223,976,685
West Branch	283,757	4,126	1,170,781,382
Total	557,822		2,396,928,067

**2. Off Aqueduct Power Facilities Rate/kWh**

Total Costs (DWR CY 2018 SOC)	\$ 2,620,002
Total Power Required for SWP Receipts -kWh	2,396,928,067
Rate \$/kWh	0.001093067

**3. Off Aqueduct Power Facilities Rate for Planned SWP Receipts**

	kWh/AF	Rate \$/kWh	\$/AF
East Branch	4,549	0.001093067	4.97
West Branch	4,126	0.001093067	4.51

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

	Variable \$/AF	Off-Aqueduct \$/AF	Total \$/AF
East Branch	213.67	4.97	218.64
West Branch	215.02	4.51	219.53

\*\* 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 2/5/2018 SWP schedule update  
 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