

Water Resources Management - Imported Supply Unit  
 Estimated Power Rate for Planned State Water Project Receipts  
 2017

Month	May-17			Total Off Aqueduct Power Charges**	SWP Unit Net Variable Rate**
	Table A Project Water AF	WSO SWP Delv. Planning%**	CY 2017 SOC Water Receipts** AF	\$	\$/AF
O'Neill			17,403		16.10
Central Valley			215,853		22.88
Mojave Valley			-		210.24
East Branch			1,192,141		158.55
West Branch			331,829		168.75
Total	1,911,500		1,757,226	3,037,319	

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

Notes
Table A Project Water - DWR Bulletin 132 Table B-4
2017 SWP Delivery Schedule -- 85% allocation -- 5/3/2017 Update Assumes total 1,570,690 AF to service area. Assumes total 94,944 AF DWA/CVWD/VCWPD supplies to service area. Variable Rates from DWR Plant Unit Rates table dated February 14, 2017. Central Valley Unit Net Variable Rate at Dos Amigos (Reaches 4 through 13B) Total OAPF Charges from DWR Invoice No. 17-013-O Jun. 30, 2016, without bond cover (bond cover paid off in June 2016).

**CALCULATIONS (based on source data)**

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

	AF	Max Power Requirements kWh/AF	kWh
O'Neill	17,403	296	5,151,288
Central Valley	215,853	434	93,680,202
Mojave Valley	-	4,549	-
East Branch	1,192,141	4,549	5,423,049,409
West Branch	331,829	4,126	1,369,126,454
Total	1,757,226		6,891,007,353

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

Total Costs (DWR CY 2017 SOC)	\$ 3,037,319
Total Power Required for SWP Receipts -kWh	6,891,007,353
Rate \$/kWh	0.000440766

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

	kWh/AF	Rate \$/kWh	\$/AF
East Branch	4,549	0.000440766	2.01
West Branch	4,126	0.000440766	1.82

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

	Variable \$/AF	Off-Aqueduct \$/AF	Total \$/AF
East Branch	158.55	2.01	160.55
West Branch	168.75	1.82	170.57

\*\* 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 5/3/2017 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