

Water Resources Management - Imported Supply Unit
 Estimated Power Rate for Planned State Water Project Receipts
 2019

Month	January-19		CY 2019	Total	SWP
	Table A	WSO SWP	Budget	Off Aqueduct	Unit Net
	Project	Delv.	Water	Power	Variable
	Water	Planning%**	Receipts**	Charges**	Rate**
	<u>AF</u>		<u>AF</u>	<u>\$</u>	<u>\$/AF</u>
O'Neill					
Central Valley					
Mojave Valley					
East Branch			476,164		174.45
West Branch			497,686		186.79
Total	1,911,500		<u>973,850</u>	4,818,084	

** Variable input for calculations - subject to regular revision

Notes
2019 SWP Delivery Schedule -- 50% allocation Assumes total 973,850 AF pays power.
Variable Rates from estimates.
Total OAPF Charges from budget (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	-	296	-
Central Valley	-	434	-
Mojave Valley	-	4,549	-
East Branch	476,164	4,549	2,166,070,036
West Branch	497,686	4,126	2,053,452,436
Total	<u>973,850</u>		<u>4,219,522,472</u>

2. Off Aqueduct Power Facilities Rate/kWh

Total Costs (DWR CY 2017 SOC)	\$ 4,818,084
Total Power Required for SWP Receipts -kWh	4,219,522,472
Rate \$/kWh	<u>0.001141855</u>

3. Off Aqueduct Power Facilities Rate for Planned SWP Receipts

	kWh/AF	Rate \$/kWh	\$/AF
East Branch	4,549	0.001141855	5.19
West Branch	4,126	0.001141855	4.71

4. Power Rate for Planned SWP Receipts**

	Variable \$/AF	Off-Aqueduct \$/AF	Total \$/AF
East Branch	174.45	5.19	179.64
West Branch	186.79	4.71	191.50

** 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

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