

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

Month	October-16				Total	SWP
	Table A	WSO SWP	CY 2016 SOC	Off Aqueduct	Power	Unit Net
	Project	Delv.	Water	Charges**	Variable	Rate**
	Water	Planning%**	Receipts**			
	<u>AF</u>		<u>AF</u>	<u>\$</u>	<u>\$/AF</u>	
O'Neill			43,386			16.09
Central Valley			5,761			23.22
Mojave Valley			-			223.48
East Branch			535,957			177.44
West Branch			498,796			167.89
Total	1,911,500		<u>1,083,900</u>		<u>8,702,772</u>	

** Variable input for calculations - subject to regular revision

Notes
Table A Project Water - DWR Bulletin 132 Table B-4
2016 SWP Delivery Schedule -- 60% allocation -- 10/10/2016 Update
Assumes total 1,010,647 AF to service area.
Assumes total 93,588 AF DWA/CVWD/VCWPD supplies to service area.
Variable Rates from DWR Plant Unit Rates table dated May 16, 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 Planned SWP Receipts

	AF	Max Power Requirements kWh/AF	kWh
O'Neill	43,386	296	12,842,256
Central Valley	5,761	434	2,500,274
Mojave Valley	-	4,549	-
East Branch	535,957	4,549	2,438,068,393
West Branch	498,796	4,126	2,058,032,296
Total	<u>1,083,900</u>		<u>4,511,443,219</u>

2. Off Aqueduct Power Facilities Rate/kWh

Total Costs (DWR CY 2016 SOC)	\$ 8,702,772
Total Power Required for SWP Receipts -kWh	4,511,443,219
Rate \$/kWh	<u>0.001929044</u>

3. Off Aqueduct Power Facilities Rate for Planned SWP Receipts

	kWh/AF	Rate \$/kWh	\$/AF
East Branch	4,549	0.001929044	8.78
West Branch	4,126	0.001929044	7.96

4. Power Rate for Planned SWP Receipts**

	Variable \$/AF	Off-Aqueduct \$/AF	Total \$/AF
East Branch	177.44	8.78	186.21
West Branch	167.89	7.96	175.85

** 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 10/10/2016 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