

SDCWA Fixed Charge Allocation

Total Charges

▶ Goals

- Allocate fixed costs based on volumetric use.
- Align our cost allocation time period to match SDCWA (Calendar year)

	July-Dec 2016	July-Dec Total	Jan-June 2017	July-Dec 2017	Jan-Dec 2017 Total		
Customer Service Charge	\$ 72,280	\$ 72,280	\$ 98,583	\$ 98,583	\$ 197,166		
Storage Charge	25,080	25,080	39,028	39,028	78,056		
Supply Reliability Charge	5,210	5,210	9,920	9,920	19,839		
Readiness-to-Serve Charge	31,656	31,656	31,656	31,656	63,313		
Capacity Charge	52,850	52,850	41,261	41,261	82,522		
Total		\$ 187,076	\$ 220,448	\$ 220,448	\$ 440,896		
Total 16-17 Fiscal Year Charge		\$ 407,524					
Total 18 Month Charge		\$ 627,972	The amount being allocated to line up our schedule with SDCWA.				
<i>Please note: The Readiness-to-Serve charge for June through Dec 2017 is estimated. Fee for that time period is unavailable at this time.</i>							

Volumetric Allocation

▶ Scenario 1

- Allocating the full charge based on each customer's percent of the rolling average increase/decrease from last year to this year. This was the scenario that staff recommended and the Board selected on May 23rd.

▶ Scenario 2

- Allocating the 2015/16 fees based on 2015/16 rolling averages and then allocating the increase in fees based on the percent increase in the rolling averages from 2015/16 to 2016/17. This scenario was suggested by Rancho Pauma.

Scenario Comparisons

- ▶ Numbers below reflect the *monthly* charge.

Account #	Scenario 1		Scenario 2	
	July-Dec 2016	Jan-Dec 2017	July-Dec 2016	Jan-Dec 2017
110990	\$ 3,897.61	\$ 4,828.57	\$ 38.36	5,416.83
120970	2,821.20	3,486.44	3,139.06	2,908.33
115620	(49.74)	(43.84)	7.92	1.62
101520	1,758.73	2,342.68	898.24	2,802.30
102010	607.55	1,048.73	2,214.32	2,598.89
108630	2,453.34	3,029.52	297.41	3,400.82
1002650	13,891.64	15,389.47	12,877.02	13,430.59
Yuima AG	2,623.59	2,753.09	9,588.19	2,728.74
Yuima M & I	\$ 3,175.41	\$ 3,906.85	\$ 2,118.28	\$ 3,453.25
Monthly Total	\$ 31,179	\$ 36,742	\$ 31,179	\$ 36,741
Total over 6 or 12 months	\$ 187,076	\$ 440,896	\$ 187,076	\$ 440,896
18 month total	\$	627,972	\$	627,972

Scenario Comparisons

- ▶ Total Fees Paid for the 18 month period from July 2016 to Dec 2017

Total Cost to be paid over 18 Months				
Account #	Scenario 1		Scenario 2	
	July 2016-Dec 2017		July 2016-Dec 2017	
110990	\$	81,328.55	\$	65,232.06
120970	\$	58,764.43	\$	53,734.37
115620	\$	(824.50)	\$	66.96
101520	\$	38,664.51	\$	39,017.02
102010	\$	16,230.02	\$	44,472.56
108630	\$	51,074.20	\$	42,594.30
1002650	\$	268,021.53	\$	238,432.20
Yuima AG	\$	48,778.59	\$	90,274.07
Yuima M & I	\$	65,934.67	\$	54,148.64
18 month total	\$	627,972	\$	627,972

Calculations – Scenario 1

Customer Service Charge

			Yuima Total	July - Dec 2016	Jan-Jun 2017	July-Dec 2017
2017	2016	Difference	Difference	Total	Total	Total
Customer	Customer		1112.9 AF	Customer	Customer	Customer
Service	Service		% of Total	Service Chg	Service Chg	Service Chg
3YR Total	3YR Total		Difference	\$ 72,280	\$98,583	\$98,583
				Divide by	Divide by	Divide by
				6=Monthly	6=Monthly	6=Monthly

Storage Charge

			Yuima Total	July - Dec 2016	Jan-Jun 2017	July-Dec 2017
2017	2016	Difference	Difference	Total	Total	Total
Storage	Storage		287.7 AF	Storage	Storage	Storage
Charge	Charge		% of Total	Charge	Charge	Charge
3YR Total	3YR Total		Difference	\$ 25,080	\$39,030	\$39,030
				Divide by	Divide by	Divide by
				6=Monthly	6=Monthly	6=Monthly

Supply Reliability Charge

			Yuima Total	July - Dec 2016	Jan-Jun 2017	July-Dec 2017
2017	2016	Difference	Difference	Total	Total	Total
Supply	Supply		160 AF	Supply	Supply	Supply
Reliability	Reliability		% of Total	Reliability	Reliability	Reliability
3YR Total	3YR Total		Difference	\$ 5,210	\$9,920	\$9,920
				Divided by	Divided by	Divided by
				6 = Monthly	6 = Monthly	6 = Monthly

Calculations – Scenario 1

Readiness-to-Serve Charge

2017	2016	Difference	Yuima Total	July - Dec 2016	Jan-Jun 2017	July-Dec 2017
Readiness	Readiness		Difference	Total	Total	Total
to Serve	to Serve		170.2 AF	Readiness To	Readiness To	Readiness To
10YR Total	10YR Total		% of Total Difference	Service Chg	Service Chg	Service Chg
			\$ 31,656	\$ 31,657	\$ 31,657	
			Divided by	Divided by	Divided by	
			6 = Monthly	6 = Monthly	6 = Monthly	

Capacity Charge

Customer Service	Storage Charge	Supply Reliability	Readiness To Serve	Total Excluding Capacity Reserv	% of Total Fixed cost	Total Capacity Reserv. Fee	Total Including Capacity Reserv	July-Dec 2016 Monthly Charge
						\$ 52,850		
						Divided by	Divided by	Divided by
						6 = Monthly	6 = Monthly	6 = Monthly
Customer Service	Storage Charge	Supply Reliability	Readiness To Serve	Total Excluding Capacity Reserv	% of Total Fixed cost	Total Capacity Reserv. Fee	Total Including Capacity Reserv	Jan-June 2017 Monthly Charge
						\$ 41,261		
						Divided by	Divided by	Divided by
						6 = Monthly	6 = Monthly	6 = Monthly
Customer Service	Storage Charge	Supply Reliability	Readiness To Serve	Total Excluding Capacity Reserv	% of Total Fixed cost	Total Capacity Reserv. Fee	Total Including Capacity Reserv	July-Dec 2017 Monthly Charge
						\$ 41,261		
						Divided by	Divided by	Divided by
						6 = Monthly	6 = Monthly	6 = Monthly

Calculations – Scenario 2

Customer Service Charge

2016		July - Dec 2016	Divided
3 Year	% of Yuima 2016	Total Customer	by 6 Months
Rolling Avg	Rolling Average AF	Service Chg	Monthly
Acre Feet	2,644.0	\$ 72,280	Charge

2017	2016		% of Yuima's	Customer Serve	Divided
3 Year	3 Year	Acre Feet	Total Difference	Charge	by 12 Months
Rolling Avg	Rolling Avg	Difference	in CWA Purchases	Jan-Dec 2017	Monthly
Acre Feet	Acre Feet	Rolling Average		\$ 197,166	Charge

Storage Charge

2016			Divided
3 Year	% of Yuima Total	Total	by 6 Months
Rolling Avg	Rolling Average AF	Storage Chg	Monthly
Acre Feet	348	\$ 25,080	Charge

2017	2016		% of Yuima's	Total Difference	Divided
3 Year	3 Year	Acre Feet	Total Difference	Customer Serve	by 12 Months
Rolling Avg	Rolling Avg	Difference	in CWA Purchases	Charge	Monthly
Acre Feet	Acre Feet	Rolling Average	198	\$ 78,056	Charge

Calculatins – Scenario 2

Supply Reliability Charge

2016			Divided
5YR M&I	% of Yuima Total	Total Supply	by 6 Months
Rolling Avg	Rolling Average AF	Reliability Chg	Monthly
Acre Feet	172.0	\$ 5,210	Charge

2017	2016		% of Yuima's		Divided
5YR M&I	5YR M&I	Acre Feet	Total Difference	Total Supply	by 12 Months
Rolling Avg	Rolling Avg	Difference	in CWA Purchases	Reliability Chg	Monthly
Acre Feet	Acre Feet	Rolling Average	173	\$ 19,839	Charge

Readiness-to-Serve Charge

	Each Account's AF			
2015/16	portion of Yuima's	Yuima's 10 Year		Divided
10 Year	CWA Deliveries	Rolling Average AF	Total Readiness	by 6 Months
Rolling Avg.	10 Yr. Rolling Avg	of MWD Deliveries	To Serve Chg	Monthly
Acre feet	17.62%	496	\$ 31,657	Charge

	Each Account's AF	Difference of		
2016-17	portion of Yuima's	Yuima's 10 Year AF		Divided
10 Year	CWA Deliveries	Rolling Average	Total Readiness	by 12 Months
Rolling Avg.	10 Yr. Rolling Avg	of MWD Deliveries	To Serve Chg	Monthly
Acre feet	16.50%	489	\$ 63,313	Charge

Calculations - Scenario 2

Capacity Charge

Hundred Cubic Feet					5 Year	5 Year HCF	2016	% of YMWD	July-Dec 2016	Divided
Aug 2010	Sept 2011	July 2012	Sept 2013	May 2014	HCF Total	Roll. Avg.	Acre Feet	Rolling Avg.	Capacity Chg	by 6 Months
							Covert	285.3 AF	\$ 52,850	Monthly Charge

Hundred Cubic Feet					5 Year	5 Year	2017	2016	Difference	% of YMWD	Jan-Dec 2017	Divided
Sept 2011	July 2012	Sept 2013	May 2014	June 2015	HCF Total	Roll. Avg.	Acre Feet	Acre Feet	5 year	Rolling Avg.	Capacity Chg	by 12 Months
							Covert	Covert	Rolling Avg.	Difference	\$ 82,522	Monthly Charge