

Line No.	Description	End of Test Year				End of Adjusted Year			
		[A] Dollar Amount (a)	[B] Percent of Total	[C] Cost Rate (a)	[D] = [B] * [C] Weighted Cost	[E] Dollar Amount	[F] Percent of Total	[G] Cost Rate (a)	[H] = [F] * [G] Weighted Cost
1	Long-Term Debt	\$ 234,260,000	49.98%	4.30%	2.15%	\$ 242,820,000	51.88%	4.30%	2.23%
2	WIFA Loan *	\$ 637,306	0.14%	3.94%		\$ -	0.00%	0.00%	0.00%
3	Short-Term Debt	\$ 8,560,000	1.83%	0.63%	0.01%	\$ -	0.00%	0.00%	0.00%
4	Stockholder's Equity	\$ 225,225,834	48.06%	10.10%	4.85%	\$ 225,225,834	48.12%	10.60%	5.10%
5	Totals	\$ 468,683,140	100.00%		7.01%	\$ 468,045,834	100.00%		7.33%
6		Sum Line [1-4]							

10 * The WIFA Loan was obtained for the sole purpose of constructing an Arsenic Treatment Plant for the District of TUBAC. It is applicable only in that
 11 District's capital structure.

43 Supporting Schedules: Recap Schedules:
 44 C-2 Rebuttal A-1 Rebuttal
 45 2016 Annual Report
 46
 47
 48 \2016 Willow Valley Water Rebuttal.xlsm
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Capital Structure for OCRB

Line No.	Description	End of Test Year			
		[A]	[B]	[C]	[D] = [B] * [C]
		Dollar Amount	Percent of Total	Cost Rate (a)	Weighted Cost
1	Long-Term Debt	\$ 1,321,706	51.88%	4.30%	2.23%
2	WIFA Loan	\$ -	0.00%	3.94%	0.00%
3	Short-Term Debt	\$ -	0.00%	0.63%	0.00%
4	Stockholder's Equity	\$ 1,225,938	48.12%	10.10%	4.86%
5	Totals	\$ 2,547,644	100.00%		7.09%
6		Sum Line [1-4]			

Capital Structure for FVRB

Line No.	Description	[I]	[J]	[K] = [I] * [J]	[L]	[M]	[N] = [L] * [M]
		OCRB	OCRB	Amt Financing	FVRB	Cost	Fair Value
		Weight	Cost	OCRB	Weight	WACC	
11	Long-Term Debt	51.88%	\$ 2,547,644	\$ 1,321,706	[K11]/[K18] 42.77%	4.30%	1.84%
12	WIFA Loan	0.00%	\$ 2,547,644	\$ -	[K12]/[K18] 0.00%	3.94%	0.00%
13	Short-Term Debt	0.00%	\$ 2,547,644	\$ -	[K13]/[K18] 0.00%	0.63%	0.00%
14	Stockholder's Equity	48.12%	\$ 2,547,644	\$ 1,225,938	[K14]/[K18] 39.67%	10.10%	4.01%
15		100.00%		\$ 2,547,644			
17	Fair Value Increment			\$ 542,713	[K17]/[K18] 17.56%	1.10%	0.19%
18	Fair Value Rate base			\$ 3,090,357	100.00%		6.04%
21	Fair Value Rate Base			Sch A1 Rebuttal \$ 3,090,357			
22	Less Original Cost Rate Base			Sch A1 Rebuttal \$ 2,547,644			
23	Difference			Line [21]-[22] \$ 542,713			

Supporting Schedules:

- (a) D-2 Rebuttal
- (b) B-1 Rebuttal

Recap Schedules:

- A-1 Rebuttal

Line No.	End of Test Year			End of Adjusted Year		
	[A]	[B]	[C] = [B] / [A]	[D]	[E]	[F] = [D] / [E]
	Amount Outstanding	Annual Cost	Interest Rate	Amount Outstanding	Annual Cost	Interest Rate
1	<u>Long-Term Debt</u>					
2	(b) \$ 133,000,000	\$ 5,004,790	3.74%	(b) \$ 133,000,000	\$ 5,004,790	3.74%
3	(b) \$ 98,000,000	\$ 4,922,540	5.00%	(b) \$ 98,000,000	4,922,540	5.00%
4	(b) \$ 3,260,000	\$ 152,681	4.57%	(b) \$ 3,260,000	152,681	4.57%
5	(b) \$ 8,560,000	368,330	4.30%	(b) \$ 8,560,000	368,330	4.30%
6	<u>\$ 234,260,000</u>	<u>\$ 10,080,011</u>	<u>4.30%</u>	<u>\$ 242,820,000</u>	<u>\$ 10,448,341</u>	<u>4.30%</u>
7						
8	(b) \$ 637,306	\$ 25,097	3.94%	(b) \$ -	-	0.00%
9						
10	<u>Common Equity</u>					
11	(a) \$ 5,126,020			(a) \$ 5,126,020		
12	(a) 203,889,486			(a) 203,889,486		
13	(a) 16,210,327			(a) 16,210,327		
14	\$ 225,225,834		10.10%	\$ 225,225,834		10.10%
15						
16	(a) (1,530,620)			-		
17	<u>223,695,213</u>			<u>225,225,834</u>		
18						
19						
20	<u>Other</u>					
21	(b) \$ 8,560,000	\$ 54,050	0.63%	(b) \$ -	\$ -	0.00%
22						
23						
24	<u>\$ 467,152,520</u>	<u>\$ 10,159,158</u>	<u>2.17%</u>	<u>\$ 468,045,834</u>	<u>\$ 10,448,341</u>	<u>2.23%</u>
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46	Supporting Schedules:			Recap Schedules:		
47	(a) E-1 Rebuttal			D-1 Rebuttal		
48	(b) D-2 Rebuttal					
49						
50	\2016 Willow Valley Water Rebuttal.xlsm					

EPCOR WATER ARIZONA COMBINED
At December 31, 2016
COST OF REPLACEMENT DEBT

Exhibit
Schedule D-2 Rebuttal
Page 2 of 2
Witness: Hubbard

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Description	Principal Amount	Net Discount, Premium and Expense	Effective Net Principal	Issue Date	Maturity Date	Interest Rate	Annualized Cost	Weighted Cost
10 Yr. EPCOR Water USA Note	\$ 133,000,000	\$ 305,900	\$ 132,694,100	2/1/2012	12/15/2021	3.74%	\$ 5,004,790	3.77%
30 Yr. EPCOR Water USA Note	98,000,000	225,400	97,774,600	2/1/2012	12/15/2041	5.00%	4,922,540	5.03%
8 Yr. EPCOR Water USA Note	3,260,000	38,616	3,221,384			4.57%	152,681	4.74%
Short Term Debt from EPCOR Utilities Inc.1	\$ 8,560,000	\$ -	\$ 8,560,000	12/15/2016	1/14/2017	0.63%	\$ 54,050	0.63%
Subtotal-Other	\$ 8,560,000		\$ 8,560,000				\$ 54,050	0.63%
WIFA Tubac note (at 12/31/16)	\$ 637,306	\$ -	\$ 637,306		11/1/2029	3.94%	\$ 25,097	3.94%

EPCOR Water Arizona Inc.
At December 31, 2016

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Description	Principal Amount	Net Discount, Premium and Expense	Effective Net Principal	Issue Date	Maturity Date	Interest Rate	Annualized Cost	Weighted Cost
10 Yr. EPCOR Water USA Note	\$ 133,000,000	\$ 152,950	\$ 132,847,050	2/1/2012	12/15/2021	3.74%	\$ 4,989,495	3.76%
30 Yr. EPCOR Water USA Note	98,000,000	112,700	97,887,300	2/1/2012	12/15/2041	5.00%	4,903,757	5.01%
Subtotal Long-Term Debt	\$ 231,000,000	\$ 265,650	\$ 230,734,350				\$ 9,893,252	4.29%
Short Term Debt from EPCOR Utilities Inc.1	\$ 8,560,000	\$ -	\$ 8,560,000	12/15/2015	1/15/2016	0.63%	\$ 54,050	0.63%
Subtotal-Other	\$ 8,560,000		\$ 8,560,000				\$ 54,050	0.63%
WIFA Tubac note (at 12/31/16)	\$ 637,306	\$ -	\$ 637,306		11/1/2029	3.94%	\$ 27,326	
Total Debt	\$240,197,306							

Source: 7/9/12 Suppl Compliance Filing-in Docket No. W-01303A-11-0101

CHAPARRAL CITY WATER COMPANY
At December 31, 2016
COST OF REPLACEMENT DEBT

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Description	Principal Amount	Net Discount, Premium and Expense	Effective Net Principal	Issue Date	Maturity Date	Interest Rate	Annualized Cost	Weighted Cost
8 Yr. EPCOR Water USA Note	\$ 3,260,000	\$ 38,616	\$ 3,221,384	12/1/2014	12/1/2022	4.565%	\$ 150,106	4.66%
Subtotal Long-Term Debt	\$ 3,260,000	\$ 38,616	\$ 3,221,384				\$ 150,106	4.66%

¹Long-term Debt Pending ACC Approval.