

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	51.81%	4.30%	2.23%
2	WIFA Loan *	\$ 637,306	0.14%	3.94%	0.01%	\$ 637,306	0.14%	3.94%	0.01%
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%	10.60%	5.09%	\$ 225,225,834	48.06%	10.60%	5.09%
5	Totals	\$ 468,683,140	100.00%		7.26%	\$ 468,683,140	100.00%		7.33%
6		Sum Line [1-4]							

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\* 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 District's capital structure.

Supporting Schedules:  
 D-2  
 E-4  
 2016 Annual Report  
 \2016 Tubac Water.xlsm

Recap Schedules:  
 A-1

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		End of Test Year					
		[A]	[B]	[C]	[D] = [B] * [C]		
Line No.	Description	Dollar Amount	Percent of Total	Cost Rate (a)	Weighted Cost		
1	Long-Term Debt	[B-1]*[A-5] \$ 261,997	22.94%	4.30%	0.99%		
2	WIFA Loan	[B-2]*[A-5] \$ 637,306	55.79%	3.94%	2.20%		
3	Short-Term Debt	[B-3]*[A-5] \$ -	0.00%	0.63%	0.00%		
4	Stockholder's Equity	[B-4]*[A-5] \$ 243,013	21.27%	10.60%	2.26%		
5	Totals	\$ 1,142,316	100.00%		5.45%		
6		Sum Line [1-4]					
7	<b>Capital Structure for FVRB</b>						
8		[I]	[J]	[K]	[L]	[M]	[N]
9	Description	OCRB	OCRB	Amt Financing	FVRB	Cost	Fair Value
10		Weight	Cost	OCRB	Weight		WACC
11	Long-Term Debt	D1 pg 1 [F-1] 22.94%	[A-4] \$ 1,142,316	[I]*[J] \$ 261,997	[K11]/[K18] 18.61%	4.30%	[M]*[N] 0.80%
12	WIFA Loan	D1 pg 1 [F-2] 55.79%	[A-4] \$ 1,142,316	[I]*[J] \$ 637,306	[K12]/[K18] 45.26%	3.94%	[M]*[N] 1.78%
13	Short-Term Debt	D1 pg 1 [F-3] 0.00%	[A-4] \$ 1,142,316	[I]*[J] \$ -	[K13]/[K18] 0.00%	0.63%	[M]*[N] 0.00%
14	Stockholder's Equity	D1 pg 1 [F-4] 21.27%	[A-4] \$ 1,142,316	[I]*[J] \$ 243,013	[K14]/[K18] 17.26%	10.60%	[M]*[N] 1.83%
15		100.00%		\$ 1,142,316			
16							
17	Fair Value Increment			\$ 265,683	[K17]/[K18] 18.87%	1.10%	0.21%
18	Fair Value Rate base			\$ 1,407,999		100.00%	4.62%
19							
20							
21	Fair Value Rate Base			Sch A1 \$ 1,407,999			
22	Less Original Cost Rate Base			Sch A1 \$ 1,142,316			
23	Difference			[20]-[19] \$ 265,683			
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46	Supporting Schedules:		Recap Schedules:				
47	(a) D-2		A-1				
48	(b) B-1						
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51	\\2016 Tubac Water.xlsm						
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Line No.	End of Test Year			End of Adjusted Year			
	[A] Amount Outstanding	[B] Annual Cost	[C] = [B] / [A] Interest Rate	[D] Amount Outstanding	[E] Annual Cost	[F] = [D] / [E] 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) 10 Yr. EPCOR Water USA Note			(b) 8,560,000	368,330	4.30%	
6	Totals	\$ 234,260,000	\$ 10,080,011	4.30%	\$ 242,820,000	\$ 10,448,341	4.30%
7							
8	(b) WIFA Tubac note (at 12/31/16)	\$ 637,306	\$ 25,097	3.94%	(b) \$ 637,306	25,097	3.94%
9							
10	<u>Common Equity</u>						
11	(a) Common Stock	\$ 5,126,020		(a) \$ 5,126,020			
12	(a) Paid in Capital	203,889,486		(a) 203,889,486			
13	(a) Retained Earnings	16,210,327		(a) 16,210,327			
14	Total Common Equity Excl OCI	\$ 225,225,834	Sum Line [10-12] Col [A]	10.60%	\$ 225,225,834	Sum Line [10-12] Col [D]	10.60%
15							
16	(a) Other Comprehensive Income (OCI)	\$ (1,530,620)		\$ -			
17	Total Common Equity	\$ 223,695,213		\$ 225,225,834			
18							
19							
20	<u>Other</u>						
21	(b) Short Term Debt	\$ 8,560,000	\$ 54,050	0.63%	(b) \$ -	\$ -	0.00%
22							
23							
24	Totals	\$ 467,152,520	\$ 10,159,158		\$ 468,683,140	\$ 10,473,438	
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42	Supporting Schedules:		Recap Schedules:				
43	(a) E-1		D-1				
44	(b) D-2						
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EPCOR WATER ARIZONA COMBINED  
At December 31, 2016  
COST OF REPLACEMENT DEBT

Exhibit  
Schedule D-2  
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.	\$ 8,560,000	\$ -	\$ 8,560,000	12/15/2016	1/14/2017	0.63%	\$ 54,050	0.63%
<b>Subtotal-Other</b>	<b>\$ 8,560,000</b>		<b>\$ 8,560,000</b>				<b>\$ 54,050</b>	<b>0.63%</b>
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%
<b>Subtotal Long-Term Debt</b>	<b>\$ 231,000,000</b>	<b>\$ 265,650</b>	<b>\$ 230,734,350</b>				<b>\$ 9,893,252</b>	<b>4.29%</b>
Short Term Debt from EPCOR Utilities Inc.	\$ 8,560,000	\$ -	\$ 8,560,000	12/15/2015	1/15/2016	0.63%	\$ 54,050	0.63%
<b>Subtotal-Other</b>	<b>\$ 8,560,000</b>		<b>\$ 8,560,000</b>				<b>\$ 54,050</b>	<b>0.63%</b>
WIFA Tubac note (at 12/31/16)	\$ 637,306	\$ -	\$ 637,306		11/1/2029	3.94%	\$ 27,326	
<b>Total Debt</b>	<b>\$240,197,306</b>							

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%
<b>Subtotal Long-Term Debt</b>	<b>\$ 3,260,000</b>	<b>\$ 38,616</b>	<b>\$ 3,221,384</b>				<b>\$ 150,106</b>	<b>4.66%</b>

Line No.	Description of Issue	End of Test Year			End of Projected Year		
		Shares Outstanding	Amount	Dividend Requirement	Shares Outstanding	Amount	Dividend Requirement
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2	Not applicable. No preferred stock issued or outstanding.						
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43	Supporting Schedules:			Recap Schedules:			
44	E-1			D-1			
45							
46	Workpapers & Supporting Documents						
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Line  
No.

1 The Company's rate application reflects a 10.6% return on common equity. See the direct testimony of Ms. Pauline M. Ahern.

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Supporting Schedules:

Recap Schedules:  
D-1

Workpapers & Supporting Documents

\2016 Tubac Water.xlsm