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BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

BOB STUMP, CHAIRMAN
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BOB BURNS
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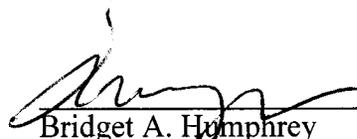
IN THE MATTER OF THE APPLICATION OF
CHAPARRAL CITY WATER COMPANY FOR A
DETERMINATION OF THE CURRENT FAIR
VALUE OF ITS UTILITY PLANT AND
PROPERTY AND FOR INCREASE IN ITS RATES
AND CHARGES BASED THEREON.

DOCKET NO. W-02113A-13-0118

STAFF AMENDED SURREBUTTAL
TESTIMONY

The Utilities Division ("Staff") of the Arizona Corporation Commission ("Commission") hereby files the amended rate design Surrebuttal Testimony of Staff witness Gerald W. Becker in the above-captioned matter.

RESPECTFULLY SUBMITTED this 27th day of February, 2014.


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Arizona Corporation Commission

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BEFORE THE ARIZONA CORPORATION COMMISSION

BOB STUMP
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IN THE MATTER OF THE APPLICATION) DOCKET NO. W-02113A-13-0118
OF CHAPARRAL CITY WATER COMPANY)
FOR A DETERMINATION OF THE)
CURRENT FAIR VALUE OF ITS UTILITY)
PLANT AND PROPERTY AND FOR)
INCREASE IN ITS RATES AND CHARGES)
BASED THEREON)
_____)

AMENDED SURREBUTTAL
RATE DESIGN
DIRECT TESTIMONY
OF
GERALD BECKER
EXECUTIVE CONSULTANT
UTILITIES DIVISION
ARIZONA CORPORATION COMMISSION

FEBRUARY 27, 2014

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**EXECUTIVE SUMMARY
CHAPARRAL CITY WATER COMPANY
DOCKET NO. W-02113A-13-0118**

Chaparral City Water Company (“CCWC” or “Company”), is a certificated Arizona public service corporation that provides water service in the Town of Fountain Hills in Maricopa County. The average number of customers during the test year was approximately 13,600 customers in its 19 square mile service territory.

The typical 3/4-inch meter residential customer with a median usage of 4,892 gallons would experience a \$10.13 or a 34.89 percent increase in the monthly bill from \$29.03 to \$39.16 under the Company’s proposed rates and a \$2.78 or a 9.56 percent increase in the monthly bill from \$29.03 to \$31.81 under Staff’s recommended rates.

Staff recommends approval of its recommended rates and charges as shown on the attached schedules.

1 **INTRODUCTION**

2 **Q. Please state your name, occupation, and business address.**

3 A. My name is Gerald Becker. I am an Executive Consultant III employed by the Arizona
4 Corporation Commission ("Commission") in the Utilities Division ("Staff"). My business
5 address is 1200 West Washington Street, Phoenix, Arizona 85007.

6
7 **Q. Are you the same Gerald Becker who previously submitted direct and surrebuttal
8 and amended (revenue requirements) surrebuttal testimony in this case?**

9 A. Yes, I am.
10

11 **PURPOSE OF AMENDED SURREBUTTAL TESTIMONY**

12 **Q. What is the purpose of your amended surrebuttal testimony in this filing?**

13 A. The purpose of my amended surrebuttal testimony in this filing is to provide updated rates
14 to reflect the revenue requirements as reflected in Staff's Amended Surrebuttal. Although
15 Staff did not file surrebuttal testimony regarding its rate design, Staff is defining this filing
16 as amended surrebuttal, as the rate design herein supports Staff recommended revenue
17 requirements, as reflected in Staff's amended surrebuttal. Staff is also providing some
18 additional information regarding miscellaneous service charges.
19

20 **RATE DESIGN**

21 **Q. Did Staff prepare schedules showing the present, Company-proposed, and Staff-
22 recommended rates and charges?**

23 A. Yes. Staff Amended Surrebuttal Schedule GWB-1 shows the present monthly minimum
24 charges and commodity rates, the Company's proposed monthly minimum charges and
25 commodity rates and Staff's recommended monthly minimum charges and commodity
26 rates. The schedules also show the present, proposed and recommended service charges.

1 A summary of the present, Company-proposed and Staff-recommended rates is presented
2 in the following section.

3
4 **Q. Would you please summarize the present rate design for CCWC?**

5 A. The present monthly minimum charges by meter size are as follows: 3/4-inch \$16.50; 1-
6 inch \$27.50, 1 1/2-inch \$55.00, 2-inch \$88.00, 3-inch \$176.00, 4-inch \$275.00, 6-inch
7 \$550.00, 8-inch \$880.00, 10-inch \$1,265.00, and 12-inch \$2,365.00. No gallons are
8 included in the monthly minimum charge. The residential water commodity rate for the
9 3/4-inch customer is \$2.31 per thousand gallons for zero to 3,000 gallons, \$2.96 per
10 thousand gallons for 3,001 to 9,000 gallons, and \$3.61 per thousand gallons for any
11 consumption over 9,000 gallons. The larger residential, commercial, irrigation, and
12 hydrant commodity break-over points vary by meter size, but are \$2.96 per thousand
13 gallons for the first tier and \$3.61 per thousand gallons for any consumption over the first
14 tier. The present rate design also has monthly minimum and commodity charges for
15 irrigation and hydrant customers, and a commodity only charge for standpipe water
16 service. The monthly charge for fire sprinkler service is \$10.00 for all meter sizes plus
17 \$2.96 per thousand gallons.

18
19 **Q. Would you please summarize the Company's proposed rate design?**

20 A. The Company's proposed monthly minimum charges by meter size are as follows: 3/4-
21 inch \$22.30, 1-inch \$37.19, 1 1/2-inch \$74.38, 2-inch \$119.00, 3-inch \$238.00, 4-inch
22 \$371.88, 6-inch \$743.77, 8-inch \$1,190.02, 10-inch \$1,710.66, and 12-inch \$3,198.19.
23 Customers who qualify as low income with 3/4-inch and 1-inch meters would qualify for a
24 discount of \$7.50 per month from the monthly minimum. Zero gallons are included in the
25 monthly minimum charge for all customers. The Company proposes a 3-tier inverted
26 residential commodity rate for only the 3/4-inch customers of \$3.1061 per thousand

1 gallons for zero to 3,000 gallons, \$3.9850 per thousand gallons for 3,001 to 9,000 gallons,
2 and \$4.8640 per thousand gallons for any consumption over 9,000 gallons. The other
3 proposed residential commodity rate tiers vary by meter size, but are \$3.9850 per thousand
4 gallons for the first tier and \$4.8640 per thousand gallons for any consumption over the
5 first tier. The Company is proposing an increase in its meter and commodity charges for
6 commercial, irrigation and hydrant customers. The Company is also proposing increased
7 monthly and commodity charges for private fire service which does not vary by meter
8 size.

9
10 **Q. Would you please summarize Staff's recommended rate design?**

11 A. Staff's recommended rates and charges are presented on Schedule GWB-1. Staff's
12 recommended monthly minimum charges by meter size are as follows: 3/4-inch \$19.25, 1-
13 inch \$32.11, 1 1/2-inch \$64.22, 2-inch \$102.74, 3-inch \$205.49, 4-inch \$321.08, 6-inch
14 \$642.17, 8-inch \$1,027.46, 10-inch \$1,476.98, and 12-inch \$2,761.32. Customers who
15 qualify as low income with 3/4-inch and 1-inch meters would qualify for a discount of
16 \$7.50 per month from the monthly minimum. Zero gallons are included in the monthly
17 minimum charge. For the 3/4-inch residential customers, Staff recommends a 3-tier
18 inverted rate design with commodity charges of \$2.00 per thousand gallons for zero to
19 3,000 gallons, \$3.465 per thousand gallons for 3,001 to 9,000 gallons, and \$4.28 per
20 thousand gallons for any consumption over 9,000 gallons. Staff's recommended larger
21 residential, commercial, irrigation, and hydrant commodity rates have two tiers and vary
22 by meter size, set at \$3.465 per thousand gallons for the first tier and \$4.28 per thousand
23 gallons for any consumption over the first tier. Staff recommends increases in meter and
24 commodity charge for commercial, irrigation and hydrant customers. Staff recommends
25 increasing the monthly charge for fire sprinkler service to the greater of \$10.00 or 2

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22 by meter size, set at \$3.465 per thousand gallons for the first tier and \$4.28 per thousand
23 gallons for any consumption over the first tier. Staff recommends increases in meter and
24 commodity charge for commercial, irrigation and hydrant customers. Staff recommends
25 increasing the monthly charge for fire sprinkler service to the greater of \$10.00 or 2
26 percent of the monthly minimum charge for that meter size with no commodity charge.

1 **Q. What is the rate impact on a typical 3/4-inch meter residential customer?**

2 A. The typical 3/4-inch meter residential customer with a median usage of 4,892 gallons
3 would experience a \$10.13 or a 34.89 percent increase in the monthly bill from \$29.03 to
4 \$39.16 under the Company's proposed rates and a \$2.78 or a 9.56 percent increase in the
5 monthly bill from \$29.03 to \$31.81 under Staff's recommended rates. A typical bill
6 analysis is provided on Schedule GWB-2.

7

8 **MISCELLANEOUS SERVICE CHARGES**

9 **Q. Did the Company disagree with Staff's recommended service charges?**

10 A. Yes.

11

12 **Q. Does Staff have any additional comments regarding its recommended service**
13 **charges?**

14 A. Yes.

15

16 Establishment Charge – The Company proposes to increase the establishment service
17 charge from \$25 to \$60. Staff recommended \$30 charge which is within the range of
18 other EPCOR Divisions with more current rates. Further, the Company did not provide
19 sufficient reason to justify the increase, only provided testimony advising proposed
20 amounts were for actual costs incurred.

21

22 Reconnection (Delinquent) Charge – The Company proposes to increase the reconnection
23 (delinquent) service charge from \$35 to \$60. Staff recommended a \$35 charge which is
24 within the range of other EPCOR Divisions with more current rates. Further, the
25 Company did not provide sufficient reason to justify the increase, only providing
26 testimony that the proposed amounts were for actual costs incurred.

1 Meter Test Charge – The Company proposed to decrease the meter test service charge
2 from \$35 to \$30. Staff recommends the meter test charge to remain at \$35.

3
4 Establishment (After Hours), Reconnection (Delinquent) After Hours and After Hours
5 Service Charge – The Company has proposed to increase its current Establishment (After
6 Hours) and its Reconnection (Delinquent), as shown on Schedule GWB-1. Staff agrees
7 that an additional fee for service provided after normal business hours is appropriate when
8 such service is at the customer's request or for the customer's convenience. Such a tariff
9 compensates the utility for additional expenses incurred from providing after-hours
10 service. Moreover, Staff concludes that it is appropriate to apply an after-hours service
11 charge in addition to the charge for any utility service provided after hours at the
12 customer's request or for the customer's convenience. Therefore, Staff recommends
13 elimination of the Company's current Establishment (After Hours), and Reconnection
14 (Delinquent) After Hours charges. Instead of these charges, Staff continues to recommend
15 the creation of a separate \$35 After-Hours Service Charge. For example, under Staff's
16 proposal, a customer would be subject to a \$30 Establishment fee if it is done during
17 normal business hours, but would pay an additional \$35 after-hours fee if the customer
18 requested that the establishment be done after normal business hours.

19
20 **Q. What does Staff recommend?**

21 A. Staff recommends the approval of its Services Charges as shown on Schedule GWB-1.

22
23 **Q. Does this conclude your amended surrebuttal testimony?**

24 A. Yes, it does.

Monthly Usage Charge	Present	Company Proposed Rates	Staff Recommended Rates
Meter Size (All Classes):			
3/4 Inch	16.50	22.30	19.25
3/4 Inch Low Income	-	14.80	11.75
1 Inch	27.50	37.19	32.11
1 Inch (Low Income)	-	29.69	24.61
1 1/2 Inch	55.00	74.38	64.22
2 Inch	88.00	119.00	102.74
3 Inch	176.00	238.00	205.49
4 Inch	275.00	371.88	321.08
6 Inch	550.00	743.77	642.17
8 Inch	880.00	1,190.02	1,027.46
10 Inch	1,265.00	1,710.66	1,476.98
12 Inch	2,365.00	3,198.19	2,761.32
Commodity Charge - Per 1,000 Gallons All Classes			
3/4" Meter (Residential, Commercial and Industrial)			
First 3,000 gallons	\$ 2.3100	\$ 3.1061	\$ 2.000
3,001 to 9,000 gallons	2.9600	3.9850	3.465
Over 9,000 gallons	3.6100	4.8640	4.280
1" Meter (Residential, Commercial and Industrial)			
First 24,000 gallons	2.9600	3.9850	3.465
Over 24,000 gallons	3.6100	4.8640	4.280
1 1/2" Meter (Residential, Commercial and Industrial)			
First 60,000 gallons	2.9600	3.9850	3.465
Over 60,000 gallons	3.6100	4.8640	4.280
2" Meter (Residential, Commercial and Industrial)			
First 100,000 gallons	2.9600	3.9850	3.465
Over 100,000 gallons	3.6100	4.8640	4.280
3" Meter (Residential, Commercial and Industrial)			
First 225,000 gallons	2.9600	3.9850	3.465
Over 225,000 gallons	3.6100	4.8640	4.280
4" Meter (Residential, Commercial and Industrial)			
First 350,000 gallons	2.9600	3.9850	3.465
Over 350,000 gallons	3.6100	4.8640	4.280
6" Meter (Residential, Commercial and Industrial)			
First 725,000 gallons	2.9600	3.9850	3.465
Over 725,000 gallons	3.6100	4.8640	4.280
8" Meter (Residential, Commercial and Industrial)			
First 1,125,000 gallons	2.9600	3.9850	3.465
Over 1,125,000 gallons	3.6100	4.8640	4.280
10" Meter (Residential, Commercial and Industrial)			
First 1,500,000 gallons	2.9600	3.9850	3.465
Over 1,500,000 gallons	3.6100	4.8640	4.280
12" Meter (Residential, Commercial and Industrial)			
First 2,250,000 gallons	2.9600	3.9850	3.465
Over 2,250,000 gallons	3.6100	4.8640	4.280

	Present	Company Proposed Rates	Staff Recommended Rates
Fire Lines:			
Up to 8"	\$ 10.00	\$ 13.62	*
10"	10.00	13.62	*
12"	10.00	13.62	*
*2% of monthly minimum for a comparable size meter connection, but no less than \$10.00 per month. The service charge for fire sprinklers is only applicable for service lines separate and distinct for the primary water service line.			

Other Service Charges:

Establishment	\$ 25.00	\$ 60.00	\$ 30.00
Establishment (After Hours)	\$ 35.00	\$ 90.00	NT
Reconnection (Delinquent)	\$ 35.00	\$ 60.00	\$ 35.00
Reconnection (Delinquent) - After Hours	\$ 50.00	\$ 90.00	N/T
Meter Test (If Correct)	\$ 35.00	\$ 30.00	\$ 35.00
Deposit	*	*	*
Deposit Interest	**	**	**
Reestablishment (within 12 months)	***	***	***
NSF Check	\$ 25.00	\$ 25.00	\$ 25.00
Late Payment Penalty	1.5% per month	1.5% per month	1.5% per month
Deferred Payment	1.5% per month	1.5% per month	1.5% per month
Moving Meter at Customer Request	At Cost	At Cost	At Cost
Meter Re-read (if correct)	\$ 25.00	\$ 10.00	\$ 10.00
Service Calls -After Hours	see above	see above	N/T
After Hours Service Charge (a)	-	-	\$ 35.00

* Per Commission Rule A.A.C. R14-2-403(B)
** Per Commission Rule A.A.C. R14-2-403(B)
*** Per Commission Rule A.A.C. R14-2-403(D) - Months off the system times the monthly minimum.

In addition to the collection of regular rates, the utility will collect from its customers a proportionate share of any privilege, sales, use, and franchise tax. Per commission rule 14-2-409D(5).

(a) In addition to the charge for any utility service provided after hours

Service and Meter Installation Charges

Service Size	Present Service Line	Present Meter	Total Present Charge	Proposed Service Line	Proposed	Total Proposed	Recommen	Recommen	Total Recommend
5/8"	\$ 385.00	\$ 135.00	\$ 520.00	\$ 385.00	\$ 135.00	\$ 520.00	\$ 385.00	\$ 135.00	\$ 520.00
3/4"	\$ 385.00	\$ 215.00	\$ 600.00	\$ 385.00	\$ 195.00	\$ 580.00	\$ 385.00	\$ 195.00	\$ 580.00
1"	\$ 435.00	\$ 255.00	\$ 690.00	\$ 435.00	\$ 234.00	\$ 669.00	\$ 435.00	\$ 234.00	\$ 669.00
1-1/2"	\$ 470.00	\$ 465.00	\$ 935.00	\$ 470.00	\$ 367.00	\$ 837.00	\$ 470.00	\$ 367.00	\$ 837.00
2" Turbine	\$ 630.00	\$ 965.00	\$ 1,595.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
2" Comp	\$ 630.00	\$ 1,690.00	\$ 2,320.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
3" Turbine	\$ 805.00	\$ 1,470.00	\$ 2,275.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
3" Comp	\$ 845.00	\$ 2,265.00	\$ 3,110.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
4" Turbine	\$ 1,170.00	\$ 2,350.00	\$ 3,520.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
4" Comp	\$ 1,230.00	\$ 3,245.00	\$ 4,475.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
6" Turbine	\$ 1,730.00	\$ 4,545.00	\$ 6,275.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
6" Comp	\$ 1,770.00	\$ 6,280.00	\$ 8,050.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
8" or larger	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost

Fire Sprinkler	Present	Proposed	Recommended
2" Meter and Valve	At Cost	At Cost	At Cost
4" Meter and Valve	At Cost	At Cost	At Cost
6" Meter and Valve	At Cost	At Cost	At Cost
8" Meter and Valve	At Cost	At Cost	At Cost

Typical Bill Analysis
General Service 3/4-Inch Meter

Company Proposed	Gallons	Present Rates	Proposed Rates	Dollar Increase	Percent Increase
Average Usage	7,870	\$ 37.85	\$ 51.03	\$ 13.18	34.83%
Median Usage	4,892	29.03	39.16	\$ 10.13	34.89%
Staff Recommended					
Average Usage	7,870	\$ 37.85	\$ 42.12	\$ 4.28	11.31%
Median Usage	4,892	29.03	31.81	\$ 2.78	9.56%

Present & Proposed Rates (Without Taxes)
General Service 3/4-Inch Meter

Gallons Consumption	Present Rates	Company Proposed Rates	% Increase	Staff Recommended Rates	% Increase
-	\$ 16.50	\$ 22.30	35.15%	\$ 19.25	16.67%
1,000	18.81	25.41	35.07%	21.25	12.97%
2,000	21.12	28.51	35.00%	23.25	10.09%
3,000	23.43	31.62	34.95%	25.25	7.77%
4,000	26.39	35.60	34.91%	28.72	8.81%
5,000	29.35	39.59	34.88%	32.18	9.64%
6,000	32.31	43.57	34.86%	35.65	10.32%
7,000	35.27	47.56	34.84%	39.11	10.89%
8,000	38.23	51.54	34.82%	42.58	11.37%
9,000	41.19	55.53	34.81%	46.04	11.77%
10,000	44.80	60.39	34.80%	50.32	12.32%
11,000	48.41	65.26	34.80%	54.60	12.79%
12,000	52.02	70.12	34.79%	58.88	13.19%
13,000	55.63	74.98	34.79%	63.16	13.54%
14,000	59.24	79.85	34.79%	67.44	13.84%
15,000	62.85	84.71	34.78%	71.72	14.11%
16,000	66.46	89.58	34.78%	76.00	14.35%
17,000	70.07	94.44	34.78%	80.28	14.57%
18,000	73.68	99.30	34.78%	84.56	14.77%
19,000	77.29	104.17	34.78%	88.84	14.94%
20,000	80.90	109.03	34.77%	93.12	15.11%
25,000	98.95	133.35	34.77%	114.52	15.74%
30,000	117.00	157.67	34.76%	135.92	16.17%
35,000	135.05	181.99	34.76%	157.32	16.49%
40,000	153.10	206.31	34.76%	178.72	16.73%
45,000	171.15	230.63	34.75%	200.12	16.93%
50,000	189.20	254.95	34.75%	221.52	17.08%
75,000	279.45	376.55	34.75%	328.52	17.56%
100,000	369.70	498.15	34.75%	435.52	17.80%