

**2017 Rate Case Filing**  
**(Information Requested by Some**  
**of the Decision Makers**  
**for the Benefit of**  
**All Members of City Council)**

Pricing-Rates Department

October 24, 2016

1. A slide showing the current different electric rate classes and the percent and dollar value of their fair share of cost of service they are paying under current rates and how they will stand if the 2017 rate case is approved.

# 2017 Rate Case Filing – Item 1

Line No.	Rate Class	Net Revenue Requirement by Rate Class	Current Revenue from Rates	Current Revenue as Percent of COS	Proposed Revenue from Rates	Proposed Revenue as Percent of COS	Proposed Increase/ (Decrease)	Proposed Percent Revenue Change
<u>(a)</u>	<u>(b)</u>	<u>(c)</u>	<u>(d)</u>	<u>(e)</u> [(d) / (c)]	<u>(f)</u>	<u>(g)</u> [(f) / (c)]	<u>(h)</u> [(f) - (d)]	<u>(i)</u> [(h) / (d)]
1	Residential/Small Commercial (E1R/E1C)	\$ 142,482,605	\$ 154,878,847	108.7%	\$ 154,878,847	108.7%	\$ -	0.0%
2	Commercial General (E2C)	48,062,032	41,647,637	86.7%	44,762,693	93.1%	3,115,056	7.5%
3	Industrial TOD 1,000 kWh/Day Min (ETL)	60,173,906	49,944,520	83.0%	56,186,299	93.4%	6,241,779	12.5%
4	Industrial TOD 500 kW Min (E8T)	34,071,526	36,747,373	107.9%	36,747,373	107.9%	-	0.0%
5	Industrial Transmission Voltage TOD (ETX)	2,584,376	2,552,111	98.8%	2,603,029	100.7%	50,918	2.0%
6	Industrial TOD 4,000 kW Min (E8S)	3,317,911	2,911,718	87.8%	3,202,738	96.5%	291,020	10.0%
7	Industrial Service - Large Power and Light (ELG)	10,521,333	8,430,554	80.1%	8,430,554	80.1%	-	0.0%
8	Contract Service - DOD (ECD)	12,923,708	11,806,066	91.4%	12,042,858	93.2%	236,792	2.0%
9	Other Rate Classes:							
10	Residential Time-of-Day (ETR)	26,434	25,790	97.6%	21,873	82.7%	(3,917)	-15.2%
11	Commercial TOD General (ETC)	1,080,947	974,503	90.2%	1,149,548	106.3%	175,045	18.0%
12	Traffic Signals (E2T)	235,893	233,189	98.9%	233,189	98.9%	-	0.0%
13	Street Lighting (E7S)	235,343	230,314	97.9%	235,343	100.0%	5,029	2.2%
14	Contract Service - Wheeling (ECW)	179,426	172,003	95.9%	172,003	95.9%	-	0.0%
15	<b>Total Electric</b>	<b>\$ 315,895,440</b>	<b>\$ 310,554,624</b>		<b>\$ 320,666,345</b>		<b>\$ 10,111,721</b>	

2. Slides showing the total bill impact for industrial, commercial, and residential for the different proposed ECA/GCA adjustments on 1 Nov, the rate changes on 1 Jan and any proposed ECA/GCA increases in Feb.

# Total Typical Residential Bill

Rate Schedule	Current	Proposed	Increase/ (Decrease)	% Change
	Rates	Base & Fuel Rates		
(a)	(b)	(c)	(d)	(e)
			[(c) - (b)]	[(d) / (b)]
Electric - Non-fuel	\$ 60.81	\$ 60.81	\$ -	0.0%
Fuel:				
Capacity	0.84	\$ 0.84	-	0.0%
<b>Proposed ECA - Alt 1</b>	13.20	<b>16.38</b>	<b>3.18</b>	<b>24.1%</b>
Electric Service Total	<u>\$ 74.85</u>	<u>\$ 78.03</u>	<u>\$ 3.18</u>	<u>4.2%</u>
Natural Gas - Non-fuel	\$ 21.66	\$ 21.66	\$ -	0.0%
Fuel:				
Capacity	6.44	\$ 6.44	-	0.0%
<b>Proposed GCA - Alt 1</b>	8.21	<b>10.89</b>	<b>2.68</b>	<b>32.6%</b>
Natural Gas Service Total	<u>\$ 36.31</u>	<u>\$ 38.99</u>	<u>\$ 2.68</u>	<u>7.4%</u>
Water	59.62	62.71	3.09	5.2%
Wastewater	32.50	32.01	(0.49)	-1.5%
Total	<u>\$ 203.28</u>	<u>\$ 211.74</u>	<u>\$ 8.46</u>	<u>4.2%</u>

**Note:** The typical bill is calculated using current and proposed rates assuming: 30 days, 600 kWh (Electric), 60 Ccf (Natural Gas), 1,100 cf (Water Inside City Limits), and 700 cf (Wastewater Inside City Limits).

# Total Typical Residential Bill

Rate Schedule (a)	Current Rates (b)	Proposed	Projected 2/1/2017 (d)	Total	% Change (f)
		Base & Fuel Rates (c)		Increase/ (Decrease) (e)	
Electric - Non-fuel	\$ 60.81	\$ 60.81	\$ -	\$ -	0.0%
Fuel:					
Capacity	0.84	0.84	-	-	0.0%
Proposed & Projected ECA - Alt 1	13.20	16.38	-	3.18	24.1%
Electric Service Total	\$ 74.85	\$ 78.03	\$ -	\$ 3.18	4.2%
Natural Gas - Non-fuel	\$ 21.66	\$ 21.66	\$ -	\$ -	0.0%
Fuel:					
Capacity	6.44	6.44	-	-	0.0%
Proposed & Projected GCA - Alt 1	8.21	10.89	14.14	5.93	72.2%
Natural Gas Service Total	\$ 36.31	\$ 38.99	\$ 14.14	\$ 5.93	16.3%
Water	\$ 59.62	\$ 62.71	\$ -	\$ 3.09	5.2%
Wastewater	32.50	32.01	-	(0.49)	-1.5%
<b>Total</b>	<b>\$ 203.28</b>	<b>\$ 211.74</b>	<b>\$ 14.14</b>	<b>\$ 11.71</b>	<b>5.8%</b>

**Note:** The typical bill is calculated using current and proposed rates assuming: 30 days, 600 kWh (Electric), 60 Ccf (Natural Gas), 1,100 cf (Water Inside City Limits), and 700 cf (Wastewater Inside City Limits).

# Total Typical Commercial Bill

Rate Schedule	Current Rates	Proposed Rates	Increase/ (Decrease)	% Change
(a)	(b)	(c)	(d)	(e)
			$[(c) - (b)]$	$[(d) / (b)]$
Electric - Non-fuel	\$ 365.70	\$ 393.05	\$ 27.35	7.5%
Fuel:				
Capacity	7.20	7.20	-	0.0%
<b>Proposed ECA - Alt 1</b>	132.00	<b>163.80</b>	<b>31.80</b>	<b>24.1%</b>
Electric Service Total	<u>\$ 504.90</u>	<u>\$ 564.05</u>	<u>\$ 59.15</u>	<u>11.7%</u>
Natural Gas - Non-fuel	\$ 207.10	\$ 207.10	\$ -	0.0%
Fuel:				
Capacity	110.86	110.86	-	0.0%
<b>Proposed GCA - Alt 1</b>	169.63	<b>225.06</b>	<b>55.43</b>	<b>32.7%</b>
Natural Gas Service Total	<u>\$ 487.59</u>	<u>\$ 543.02</u>	<u>\$ 55.43</u>	<u>11.4%</u>
Water	\$ 205.11	\$ 218.42	\$ 13.31	6.5%
Wastewater	108.46	112.14	3.68	3.4%
Total	<u>\$ 1,306.06</u>	<u>\$ 1,437.63</u>	<u>\$ 131.57</u>	<u>10.1%</u>

**Note:** The typical bill is calculated using current and proposed rates assuming: 30 days, 6,000 kWh (Electric), 1,240 Ccf (Natural Gas), 3,000 cf (Water Inside City Limits), and 3,000 cf (Wastewater Inside City Limits).

# Total Typical Commercial Bill

Rate Schedule	Current Rates	Proposed Rates	Projected 2/1/2017	Total Increase/ (Decrease)	% Change
(a)	(b)	(c)	(d)	(e)	(f)
Electric - Non-fuel	\$ 365.70	\$ 393.05	\$ -	\$ 27.35	7.5%
Fuel:					
Capacity	7.20	7.20	-	0.00	0.0%
Proposed & Projected ECA - Alt 1	132.00	163.80	-	31.80	24.1%
Electric Service Total	\$ 504.90	\$ 564.05	\$ -	\$ 59.15	11.7%
Natural Gas - Non-fuel	\$ 207.10	\$ 207.10	\$ -	\$ -	0.0%
Fuel:					
Capacity	110.86	110.86	-	-	0.0%
Proposed & Projected GCA - Alt 1	169.63	225.06	292.14	122.51	72.2%
Natural Gas Service Total	\$ 487.59	\$ 543.02	\$ 292.14	\$ 122.51	25.1%
Water	\$ 205.11	\$ 218.42	\$ -	\$ 13.31	6.5%
Wastewater	108.46	112.14	-	3.68	3.4%
<b>Total</b>	<b>\$ 1,306.06</b>	<b>\$ 1,437.63</b>	<b>\$ 292.14</b>	<b>\$ 198.65</b>	<b>15.2%</b>

**Note:** The typical bill is calculated using current and proposed rates assuming: 30 days, 6,000 kWh (Electric), 1,240 Ccf (Natural Gas), 3,000 cf (Water Inside City Limits), and 3,000 cf (Wastewater Inside City Limits).



# Total Typical Industrial Bill

<b>Rate Schedule</b>	<b>Current Rates</b>	<b>Proposed Rates</b>	<b>Increase/ (Decrease)</b>	<b>% Change</b>
<u>(a)</u>	<u>(b)</u>	<u>(c)</u>	<u>(d)</u>	<u>(e)</u>
			<u>[(c) - (b)]</u>	<u>[(d) / (b)]</u>
Electric - Non-fuel	\$ 22,401.74	\$ 22,401.74	\$ -	0.0%
Fuel:				
Capacity	440.00	440.00	-	0.0%
<b>Proposed ECA - Alt 1</b>	8,817.60	<b>10,937.60</b>	<b>2,120.00</b>	<b>24.0%</b>
Electric Service Total	<u>\$ 31,659.34</u>	<u>\$ 33,779.34</u>	<u>\$ 2,120.00</u>	<u>6.7%</u>
Natural Gas - Non-fuel	\$ 1,858.78	\$ 1,858.78	\$ -	0.0%
Fuel:				
Capacity	1,108.56	1,108.56	-	0.0%
<b>Proposed GCA - Alt 1</b>	1,696.32	<b>2,250.60</b>	<b>554.28</b>	<b>32.7%</b>
Natural Gas Service Total	<u>\$ 4,663.66</u>	<u>\$ 5,217.94</u>	<u>\$ 554.28</u>	<u>11.9%</u>
Water	\$ 2,700.81	\$ 2,861.94	\$ 161.13	6.0%
Wastewater	1,339.86	1,404.64	64.78	4.8%
Total	<u>\$ 40,363.67</u>	<u>\$ 43,263.86</u>	<u>\$ 2,900.19</u>	<u>7.2%</u>

**Note:** The typical bill is calculated using current and proposed rates assuming: 30 days, 400,000 kWh and 1,000 kW (Electric), 12,400 Ccf (Natural Gas), 50,000 cf (Water Inside City Limits), and 50,000 cf (Wastewater Inside City Limits).

With **PROJECTED** Alternatives 1 effective 2/1/17)

# Total Typical Industrial Bill

Rate Schedule	Current Rates	Proposed Rates	Projected 2/1/2017	Total Increase/ (Decrease)	% Change
(a)	(b)	(c)	(d)	(e)	(f)
Electric - Non-fuel	\$ 22,401.74	\$ 22,401.74	\$ -	\$ -	0.0%
Fuel:					
Capacity	440.00	440.00	-	-	0.0%
Proposed ECA - Alt 1	8,817.60	10,937.60	-	2,120.00	24.0%
Electric Service Total	\$ 31,659.34	\$ 33,779.34	\$ -	\$ 2,120.00	6.7%
Natural Gas - Non-fuel	\$ 1,858.78	\$ 1,858.78	\$ -	\$ -	0.0%
Fuel:					
Capacity	388.56	388.56	-	-	0.0%
Proposed GCA - Alt 1	1,696.32	2,250.60	2,921.44	1,225.12	72.2%
Natural Gas Service Total	\$ 3,943.66	\$ 4,497.94	\$ 2,921.44	\$ 1,225.12	31.1%
Water	\$ 2,700.81	\$ 2,861.94	\$ -	\$ 161.13	6.0%
Wastewater	1,339.86	1,404.64	-	64.78	4.8%
Total	\$ 39,643.67	\$ 42,543.86	\$ 2,921.44	\$ 3,571.03	9.0%

**Note:** The typical bill is calculated using current and proposed rates assuming: 30 days, 400,000 kWh and 1,000 kW (Electric), 12,400 Ccf (Natural Gas), 50,000 cf (Water Inside City Limits), and 50,000 cf (Wastewater Inside City Limits).

# Total Typical Residential Bill

Rate Schedule	Current Rates	Proposed		% Change
		Base & Fuel Rates	Increase/ (Decrease)	
(a)	(b)	(c)	(d)	(e)
			[(c) - (b)]	[(d) / (b)]
Electric - Non-fuel	\$ 60.81	\$ 60.81	\$ -	0.0%
Fuel:				
Capacity	0.84	\$ 0.84	-	0.0%
<b>Proposed ECA - Alt 2</b>	13.20	<b>15.60</b>	<b>2.40</b>	<b>18.2%</b>
Electric Service Total	<u>\$ 74.85</u>	<u>\$ 77.25</u>	<u>\$ 2.40</u>	<u>3.2%</u>
Natural Gas - Non-fuel	\$ 21.66	\$ 21.66	\$ -	0.0%
Fuel:				
Capacity	6.44	\$ 6.44	-	0.0%
<b>Proposed GCA - Alt 2</b>	8.21	<b>8.21</b>	<b>-</b>	<b>0.0%</b>
Natural Gas Service Total	<u>\$ 36.31</u>	<u>\$ 36.31</u>	<u>\$ -</u>	<u>0.0%</u>
Water	59.62	62.71	3.09	5.2%
Wastewater	32.50	32.01	(0.49)	-1.5%
<b>Total</b>	<u>\$ 203.28</u>	<u>\$ 208.28</u>	<u>\$ 5.00</u>	<u>2.5%</u>

**Note:** The typical bill is calculated using current and proposed rates assuming: 30 days, 600 kWh (Electric), 60 Ccf (Natural Gas), 1,100 cf (Water Inside City Limits), and 700 cf (Wastewater Inside City Limits).

With **PROJECTED Alternatives 2 effective 2/1/17)**

# Total Typical Residential Bill

Rate Schedule	Proposed		Projected 2/1/2017	Total	
	Current Rates	Base & Fuel Rates		Increase/ (Decrease)	% Change
(a)	(b)	(c)	(d)	(e)	(f)
Electric - Non-fuel	\$ 60.81	\$ 60.81	\$ -	\$ -	0.0%
Fuel:					
Capacity	0.84	0.84	-	-	0.0%
<b>Proposed &amp; Projected     ECA - Alt 2</b>	13.20	15.60	16.56	3.36	25.5%
Electric Service Total	\$ 74.85	\$ 77.25	\$ 16.56	\$ 3.36	4.5%
Natural Gas - Non-fuel	\$ 21.66	\$ 21.66	\$ -	\$ -	0.0%
Fuel:					
Capacity	6.44	6.44	-	-	0.0%
<b>Proposed &amp; Projected     GCA - Alt 2</b>	8.21	8.21	15.30	7.09	86.4%
Natural Gas Service Total	\$ 36.31	\$ 36.31	\$ 15.30	\$ 7.09	19.5%
Water	\$ 59.62	\$ 62.71	\$ -	\$ 3.09	5.2%
Wastewater	32.50	32.01	-	(0.49)	-1.5%
<b>Total</b>	<b>\$ 203.28</b>	<b>\$ 208.28</b>	<b>\$ 31.86</b>	<b>\$ 13.05</b>	<b>6.4%</b>

**Note:** The typical bill is calculated using current and proposed rates assuming: 30 days, 600 kWh (Electric), 60 Ccf (Natural Gas), 1,100 cf (Water Inside City Limits), and 700 cf (Wastewater Inside City Limits).

# Total Typical Commercial Bill

Rate Schedule	Current Rates	Proposed Rates	Increase/ (Decrease)	% Change
(a)	(b)	(c)	(d)	(e)
			[(c) - (b)]	[(d) / (b)]
Electric - Non-fuel	\$ 365.70	\$ 393.05	\$ 27.35	7.5%
Fuel:				
Capacity	7.20	7.20	-	0.0%
<b>Proposed ECA - Alt 2</b>	132.00	<b>156.00</b>	<b>24.00</b>	<b>18.2%</b>
Electric Service Total	<u>\$ 504.90</u>	<u>\$ 556.25</u>	<u>\$ 51.35</u>	<u>10.2%</u>
Natural Gas - Non-fuel	\$ 207.10	\$ 207.10	\$ -	0.0%
Fuel:				
Capacity	110.86	110.86	-	0.0%
<b>Proposed GCA - Alt 2</b>	169.63	<b>169.63</b>	<b>-</b>	<b>0.0%</b>
Natural Gas Service Total	<u>\$ 487.59</u>	<u>\$ 487.59</u>	<u>\$ -</u>	<u>0.0%</u>
Water	\$ 205.11	\$ 218.42	\$ 13.31	6.5%
Wastewater	108.46	112.14	3.68	3.4%
<b>Total</b>	<u>\$ 1,306.06</u>	<u>\$ 1,374.40</u>	<u>\$ 68.34</u>	<u>5.2%</u>

**Note:** The typical bill is calculated using current and proposed rates assuming: 30 days, 6,000 kWh (Electric), 1,240 Ccf (Natural Gas), 3,000 cf (Water Inside City Limits), and 3,000 cf (Wastewater Inside City Limits).

# Total Typical Commercial Bill

Rate Schedule	Current Rates	Proposed Rates	Projected 2/1/2017	Total Increase/ (Decrease)	% Change
(a)	(b)	(c)	(d)	(e)	(f)
Electric - Non-fuel	\$ 365.70	\$ 393.05	\$ -	\$ 27.35	7.5%
Fuel:					
Capacity	7.20	7.20	-	0.00	0.0%
<b>Proposed &amp; Projected ECA - Alt 2</b>	132.00	156.00	165.60	33.60	25.5%
<b>Electric Service Total</b>	<b>\$ 504.90</b>	<b>\$ 556.25</b>	<b>\$ 165.60</b>	<b>\$ 60.95</b>	<b>12.1%</b>
Natural Gas - Non-fuel	\$ 207.10	\$ 207.10	\$ -	\$ -	0.0%
Fuel:					
Capacity	110.86	110.86	-	-	0.0%
<b>Proposed &amp; Projected GCA - Alt 2</b>	169.63	169.63	316.20	146.57	86.4%
<b>Natural Gas Service Total</b>	<b>\$ 487.59</b>	<b>\$ 487.59</b>	<b>\$ 316.20</b>	<b>\$ 146.57</b>	<b>30.1%</b>
Water	\$ 205.11	\$ 218.42	\$ -	\$ 13.31	6.5%
Wastewater	108.46	112.14	-	3.68	3.4%
<b>Total</b>	<b>\$ 1,306.06</b>	<b>\$ 1,374.40</b>	<b>\$ 481.80</b>	<b>\$ 224.51</b>	<b>17.2%</b>

**Note:** The typical bill is calculated using current and proposed rates assuming: 30 days, 6,000 kWh (Electric), 1,240 Ccf (Natural Gas), 3,000 cf (Water Inside City Limits), and 3,000 cf (Wastewater Inside City Limits).

# Total Typical Industrial Bill

Rate Schedule	Current Rates	Proposed Rates	Increase/ (Decrease)	%
(a)	(b)	(c)	(d)	(e)
			[(c) - (b)]	[(d) / (b)]
Electric - Non-fuel	\$ 22,401.74	\$ 22,401.74	\$ -	0.0%
Fuel:				
Capacity	440.00	440.00	-	0.0%
<b>Proposed ECA - Alt 2</b>	<b>8,817.60</b>	<b>10,417.60</b>	<b>1,600.00</b>	<b>18.1%</b>
Electric Service Total	\$ 31,659.34	\$ 33,259.34	\$ 1,600.00	5.1%
Natural Gas - Non-fuel	\$ 1,858.78	\$ 1,858.78	\$ -	0.0%
Fuel:				
Capacity	1,108.56	1,108.56	-	0.0%
<b>Proposed GCA - Alt 2</b>	<b>1,696.32</b>	<b>1,696.32</b>	<b>-</b>	<b>0.0%</b>
Natural Gas Service Total	\$ 4,663.66	\$ 4,663.66	\$ -	0.0%
Water	\$ 2,700.81	\$ 2,861.94	\$ 161.13	6.0%
Wastewater	1,339.86	1,404.64	64.78	4.8%
<b>Total</b>	<b>\$ 40,363.67</b>	<b>\$ 42,189.58</b>	<b>\$ 1,825.91</b>	<b>4.5%</b>

**Note:** The typical bill is calculated using current and proposed rates assuming: 30 days, 400,000 kWh and 1,000 kW (Electric), 12,400 Ccf (Natural Gas), 50,000 cf (Water Inside City Limits), and 50,000 cf (Wastewater Inside City Limits).

With **PROJECTED Alternatives 2 effective 2/1/17)**

# Total Typical Industrial Bill

Rate Schedule	Current Rates	Proposed Rates	Projected 2/1/2017	Total Increase/ (Decrease)	% Change
(a)	(b)	(c)	(d)	(e)	(f)
Electric - Non-fuel	\$ 22,401.74	\$ 22,401.74	\$ -	\$ -	0.0%
Fuel:					
Capacity	440.00	440.00	-	-	0.0%
Proposed ECA - Alt 2	8,817.60	10,417.60	11,057.60	2,240.00	25.4%
Electric Service Total	\$ 31,659.34	\$ 33,259.34	\$ 11,057.60	\$ 2,240.00	7.1%
Natural Gas - Non-fuel	\$ 1,858.78	\$ 1,858.78	\$ -	\$ -	0.0%
Fuel:					
Capacity	1,108.56	1,108.56	-	-	0.0%
Proposed GCA - Alt 2	1,696.32	1,696.32	3,162.00	1,465.68	86.4%
Natural Gas Service Total	\$ 4,663.66	\$ 4,663.66	\$ 3,162.00	\$ 1,465.68	31.4%
Water	\$ 2,700.81	\$ 2,861.94	\$ -	\$ 161.13	6.0%
Wastewater	1,339.86	1,404.64	-	64.78	4.8%
<b>Total</b>	<b>\$ 40,363.67</b>	<b>\$ 42,189.58</b>	<b>\$ 14,219.60</b>	<b>\$ 3,931.59</b>	<b>9.7%</b>

**Note:** The typical bill is calculated using current and proposed rates assuming: 30 days, 400,000 kWh and 1,000 kW (Electric), 12,400 Ccf (Natural Gas), 50,000 cf (Water Inside City Limits), and 50,000 cf (Wastewater Inside City Limits).



3. Slides showing what the military's current dollar amount and fair share is for COS for water and waste water and what it would be under the new proposed military rates.

## DOD - Water and Wastewater Summary

Line No.	Rate Class	Net Revenue Requirement by Rate Class	Current Revenue from Rates	Current Revenue as Percent of COS	Proposed Revenue from Rates	Proposed Revenue as Percent of COS	Proposed Increase/ (Decrease)	Proposed Percent Revenue Change
<u>(a)</u>	<u>(b)</u>	<u>(c)</u>	<u>(d)</u>	<u>(e)</u>	<u>(f)</u>	<u>(g)</u>	<u>(h)</u>	<u>(i)</u>
				<u>[(d) / (e)]</u>		<u>[(f) / (c)]</u>	<u>[(f) - (d)]</u>	<u>[(h) / (d)]</u>
1	Water:							
2	Contract Service - DOD	\$ 11,753,105	\$ 9,089,060	77.3%	\$ 9,995,484	85.0%	\$ 906,424	10.0%
3	Wastewater:							
4	Nonresidential	16,863,694	16,255,525	96.4%	16,907,914	100.3%	652,389	4.0%
5	Contract Service - Outside City and new DOD	1,235,661	1,107,525	89.6%	1,235,505	100.0%	127,980	11.6%

Prior to the 2017 Rate Case,  
Military was included in Nonresidential

- New Wastewater Contract Rate Class – Military
  - In 2017 Rate Case, Military has been separated from the Nonresidential Rate Class and a new Rate Class has been created
  - Although Contract Service – Outside City rate increased 11.6%, the Contract Service – DOD Revenue from Rates is less than previous Nonresidential
  - Wastewater Summary no longer comparable due to shift from one Rate Class to another (see next slide)

## DOD – Wastewater Detail

Description	Military Current Nonresidential Rate Class	Military at Proposed Nonresidential Rate Class	Military New Proposed Contract Service Rate Class	Military Proposed (Decrease)	Military Proposed Percent Revenue Change
<u>(a)</u>	<u>(b)</u>	<u>(c)</u>	<u>(d)</u>	<u>(e)</u>	<u>(f)</u>
				[(d) - (c)]	[(e) / (c)]
Revenue from Rates - Total Military	\$ 169,251	\$ 177,628	\$ 160,993	<b>\$ (16,635)</b>	<b>-9.4%</b>
Rates:					
Daily Charge	\$ 0.9953	\$ 0.9880			
Commodity Charge	\$ 0.0262	\$ 0.0275	\$ 0.0251		

- Although the Wastewater Contract Service – Outside City Rate Class rate increased 11.6%, the New Contract Service – DOD does not result in any increase to the Military
- New Contract Service – DOD
  - Proposed Nonresidential Rate Class Military revenue compared to New Proposed Contract Service Military results in a decrease (savings) of \$16,635 or a 9.4% reduction

4. Slide(s) showing revenue impact of 33%; 50% and 66% of residential water rate increase going to daily access charge vice 100%.

## Typical Water Residential Bill (1,100 cf per Month)

	33% of Increase to Customer Charge and 67% to Commodity Charge			50% of Increase to Customer Charge and 50% to Commodity Charge			66% of Increase to Customer Charge and 34% to Commodity Charge			100% of Increase to Customer Charge		
	Rate	\$	%	Rate	\$	%	Rate	\$	%	Rate	\$	%
Customer Charge	\$0.6391	\$ 19.17	33.87%	\$0.6567	\$ 19.70	30.85%	\$0.6733	\$ 20.20	0.00%	\$0.7079	\$ 21.24	33.87%
Commodity Charge per cf												
Block I: First 999 cf	\$0.0386	38.56	55.60%	\$0.0376	37.56	58.81%	\$0.0368	36.76	0.00%	\$0.0349	34.87	55.60%
Block II: Next 1,500 cf	\$0.0654	6.61	10.53%	\$0.0654	6.61	10.34%	\$0.0654	6.61	0.00%	\$0.0654	6.61	10.53%
Block III: > 2,499 cf	\$0.0988	-	0.00%	\$0.0988	-	0.00%	\$0.0988	-	0.00%	\$0.0988	-	0.00%
<b>Total</b>		<u>\$ 64.34</u>			<u>\$ 63.87</u>			<u>\$ 63.57</u>			<u>\$ 62.71</u>	

<u>Increase from Current:</u>				
\$	\$ 4.72	\$ 4.25	\$ 3.95	\$ 3.09
%	7.9%	7.1%	6.6%	5.2%
<b>Revenue Stability - Fixed in Customer Charge</b>	<b>\$1.6 Million</b>	<b>\$2.5 Million</b>	<b>\$3.2 Million</b>	<b>\$4.9 Million</b>

5. Would it be possible to have a history of rate changes (especially any decreases) over a period of time?

- Utilities compiled a five-year typical bill history to capture both base rate adjustments and ECA and GCA rate adjustments
  - Provided in the Supplemental Customer Feedback Report, include in Rate Hearing presentation and here on slides 28-31
  - Slide 24 has detailed Typical Residential, Commercial and Industrial Bill History and the Average ETL Industrial Bill History that rolls up to the tables and charts on slides 28-31
- Base (non-fuel rate reductions)
  - Effective 1/1/14 there was a Natural Gas non-fuel typical bill reduction for both Commercial and Industrial
  - Proposed Wastewater Residential reduction effective 1/1/17
- ECA and GCA rates have increased and decreased over the last five years as detailed on slides 25 and 26
  - Many customers have experienced much lower bills since 2015 because of soft fuel markets
    - In 2016, Utilities' reduced the combined ECA and GCA over collection balances by \$18.1 million
    - The lowest ECA rate was approximately 23% below cost
    - The lowest GCA rate was approximately 46% below cost

# 2017 Rate Case Filing – Item 5

## Typical Bill History

For the period 1-1-12 thru 1-1-17<sup>(1)</sup>

Effective Date	Electric (Non-fuel)		Natural Gas (Non-fuel)		Water		Wastewater		Total (Non-fuel)		Total (with fuel)	
	Typical Bill	% Change	Typical Bill	% Change	Typical Bill	% Change	Typical Bill	% Change	Typical Bill	% Change	Typical Bill	% Change
<b>Residential</b>												
	600(kWh)		60 (Ccf)		1100 (cf)		700 (cf)					
5-year avg. <sup>(2)</sup>		4.23%		1.46%		6.36%		-0.30%		3.64%		1.10%
01/01/17	\$ 60.81	0.00%	\$ 21.66	0.00%	\$ 62.71	5.18%	\$ 32.01	-1.51%	\$ 177.18	1.49%	\$ 211.73	2.80%
01/01/16	\$ 60.81	4.62%	\$ 21.66	0.00%	\$ 59.62	4.46%	\$ 32.50	0.00%	\$ 174.58	3.09%	\$ 205.96	-4.40%
01/01/15	\$ 58.13	7.31%	\$ 21.66	0.00%	\$ 57.07	0.00%	\$ 32.50	0.00%	\$ 169.35	2.39%	\$ 215.43	4.10%
01/01/14	\$ 54.17	4.39%	\$ 21.66	5.03%	\$ 57.07	11.68%	\$ 32.50	0.00%	\$ 165.39	5.95%	\$ 206.94	4.26%
01/01/13	\$ 51.89	4.95%	\$ 20.62	2.37%	\$ 51.10	10.90%	\$ 32.50	0.00%	\$ 156.10	5.36%	\$ 198.49	-0.97%
01/01/12	\$ 49.44		\$ 20.15		\$ 46.08		\$ 32.50		\$ 148.16		\$ 200.44	
<b>Commercial</b>												
	6000 (kWh)		1,240 (Ccf)		3,000 (cf)		3,000 (cf)					
5-year avg. <sup>(2)</sup>		4.85%		1.49%		6.12%		0.67%		3.75%		-2.34%
01/01/17	\$ 393.05	7.48%	\$ 215.77	4.19%	\$ 218.42	6.49%	\$ 112.14	3.39%	\$ 939.38	5.98%	\$ 1,468.49	6.56%
01/01/16	\$ 365.70	4.60%	\$ 207.10	0.00%	\$ 205.11	7.01%	\$ 108.46	0.00%	\$ 886.37	3.45%	\$ 1,378.04	-14.99%
01/01/15	\$ 349.60	3.38%	\$ 207.10	0.00%	\$ 191.67	0.00%	\$ 108.46	0.00%	\$ 856.83	1.35%	\$ 1,620.98	6.25%
01/01/14	\$ 338.17	0.00%	\$ 207.10	-4.86%	\$ 191.67	8.54%	\$ 108.46	0.00%	\$ 845.40	0.54%	\$ 1,525.62	-0.99%
01/01/13	\$ 338.17	9.02%	\$ 217.67	8.61%	\$ 176.60	8.82%	\$ 108.46	0.00%	\$ 840.90	7.62%	\$ 1,540.92	-6.80%
01/01/12	\$ 310.20		\$ 200.41		\$ 162.28		\$ 108.46		\$ 781.35		\$ 1,653.36	
<b>Average ETL</b>												
	60,000 (kWh)		12,400 (Ccf)		50000 (cf)		50,000 (cf)					
5-year avg. <sup>(2)</sup>		6.62%		0.62%		5.37%		0.95%		4.33%		-1.88%
01/01/17	\$ 4,692.05	16.90%	\$ 1,858.78	0.00%	\$ 2,861.94	5.97%	\$ 1,404.64	4.83%	\$ 10,817.40	9.12%	\$ 15,922.32	8.73%
01/01/16	\$ 4,013.64	6.01%	\$ 1,858.78	0.00%	\$ 2,700.81	4.77%	\$ 1,339.86	0.00%	\$ 9,913.09	3.66%	\$ 14,643.65	-14.97%
01/01/15	\$ 3,786.24	1.80%	\$ 1,858.78	0.00%	\$ 2,577.86	0.00%	\$ 1,339.86	0.00%	\$ 9,562.74	0.70%	\$ 17,220.98	5.48%
01/01/14	\$ 3,719.42	5.51%	\$ 1,858.78	-5.69%	\$ 2,577.86	8.26%	\$ 1,339.86	0.00%	\$ 9,495.92	3.03%	\$ 16,326.76	0.54%
01/01/13	\$ 3,525.12	3.49%	\$ 1,970.91	9.38%	\$ 2,381.13	8.06%	\$ 1,339.86	0.00%	\$ 9,217.02	5.32%	\$ 16,239.86	-7.23%
01/01/12	\$ 3,406.20		\$ 1,801.87		\$ 2,203.49		\$ 1,339.86		\$ 8,751.42		\$ 17,506.26	
<b>Industrial</b>												
	400,000 (kWh)		12,400 (Ccf)		50000 (cf)		50,000 (cf)					
5-year avg. <sup>(2)</sup>		5.62%		0.62%		5.37%		0.95%		4.96%		0.57%
01/01/17	\$ 22,401.74	0.00%	\$ 1,858.78	0.00%	\$ 2,861.94	5.97%	\$ 1,404.64	4.83%	\$ 28,527.10	0.80%	\$ 43,263.86	5.09%
01/01/16	\$ 22,401.74	5.01%	\$ 1,858.78	0.00%	\$ 2,700.81	4.77%	\$ 1,339.86	0.00%	\$ 28,301.19	4.39%	\$ 41,167.59	-7.64%
01/01/15	\$ 21,333.71	7.30%	\$ 1,858.78	0.00%	\$ 2,577.86	0.00%	\$ 1,339.86	0.00%	\$ 27,110.21	5.65%	\$ 44,574.17	6.85%
01/01/14	\$ 19,882.84	10.77%	\$ 1,858.78	-5.69%	\$ 2,577.86	8.26%	\$ 1,339.86	0.00%	\$ 25,659.34	8.53%	\$ 41,717.90	4.59%
01/01/13	\$ 17,950.44	5.31%	\$ 1,970.91	9.38%	\$ 2,381.13	8.06%	\$ 1,339.86	0.00%	\$ 23,642.34	5.59%	\$ 39,886.90	-5.17%
01/01/12	\$ 17,046.00		\$ 1,801.87		\$ 2,203.49		\$ 1,339.86		\$ 22,391.22		\$ 42,061.78	

**Notes:**

<sup>(1)</sup> 1/1/17 Total with fuel based on ECA and GCA Alternative 1.

<sup>(2)</sup> The 5 year average represents the compound annual percent change.



# 2017 Rate Case Filing – Item 5

## Electric Cost Adjustment (ECA)

As of 11/01/2016 <sup>Note</sup>

Line No.	Effective Date	Supply Charge	ECA Rate	Total	% Change	Typical Residential Bill Impact
(a)	(b)	(c)	(d)	(e) [c+d]	(f)	(g)
1	11/01/2016	-	\$ 0.0273	\$ 0.0273	24.1%	4.2%
2	08/01/2016	-	\$ 0.0220	\$ 0.0220	30.2%	4.3%
3	02/01/2016	-	\$ 0.0169	\$ 0.0169	-26.2%	-4.8%
4	01/01/2016 *filed after 2016 Rate Case approval	-	\$ 0.0229	\$ 0.0229	-8.0%	-1.6%
5	01/01/2016 *2016 Rate Filing	-	\$ 0.0249	\$ 0.0249	-5.7%	-1.2%
6	04/01/2015	\$ 0.0269	\$ (0.0005)	\$ 0.0264	-4.3%	-0.9%
7	09/12/2014	\$ 0.0269	\$ 0.0007	\$ 0.0276	-19.5%	-5.3%
8	07/11/2014	\$ 0.0269	\$ 0.0074	\$ 0.0343	-7.5%	-2.2%
9	06/01/2014	\$ 0.0269	\$ 0.0102	\$ 0.0371	31.6%	7.4%
10	03/01/2014	\$ 0.0269	\$ 0.0013	\$ 0.0282	8.9%	2.0%
11	01/01/2013	\$ 0.0269	\$ (0.0010)	\$ 0.0259	-13.4%	-3.4%
12	06/01/2012	\$ 0.0269	\$ 0.0030	\$ 0.0299	-3.2%	-0.9%
13	10/01/2011	\$ 0.0269	\$ 0.0040	\$ 0.0309	3.3%	0.9%

Note: 11/1/2016 ECA rate based on Alternative 1.

# 2017 Rate Case Filing – Item 5

## Gas Cost Adjustment (GCA)

As of 11/01/2016<sup>Note</sup>

Line No.	Effective Date	Gas Cost	GCA Rate	Total	% Change	Typical Residential Bill Impact
(a)	(b)	(c)	(d)	(e) [c+d]	(f)	(g)
1	11/01/2016	-	\$ 0.1815	\$ 0.1815	32.7%	8.3%
2	08/01/2016	-	\$ 0.1368	\$ 0.1368	67.0%	10.0%
3	02/01/2016	-	\$ 0.0819	\$ 0.0819	-52.5%	-14.2%
4	01/01/2016 *filed after 2016 Rate Case approval	-	\$ 0.1726	\$ 0.1726	-18.8%	-5.9%
5	01/01/2016 *2016 Rate Filing	-	\$ 0.2126	\$ 0.2126	-40.5%	-6.1%
6	02/01/2015	\$ 0.6034	\$ (0.2460)	\$ 0.3574	-25.1%	-14.3%
7	11/01/2014	\$ 0.6034	\$ (0.1265)	\$ 0.4769	6.7%	3.7%
8	03/01/2014	\$ 0.6034	\$ (0.1566)	\$ 0.4468	6.8%	3.6%
9	12/01/2013	\$ 0.6034	\$ (0.1850)	\$ 0.4184	-3.5%	-1.9%
10	01/01/2013	\$ 0.6034	\$ (0.1700)	\$ 0.4334	-14.8%	-8.8%
11	06/01/2012	\$ 0.6034	\$ (0.0950)	\$ 0.5084	-4.7%	-2.9%
12	02/01/2012	\$ 0.6034	\$ (0.0700)	\$ 0.5334	-2.7%	-1.7%
13	04/01/2011	\$ 0.6034	\$ (0.0550)	\$ 0.5484	20.9%	12.7%

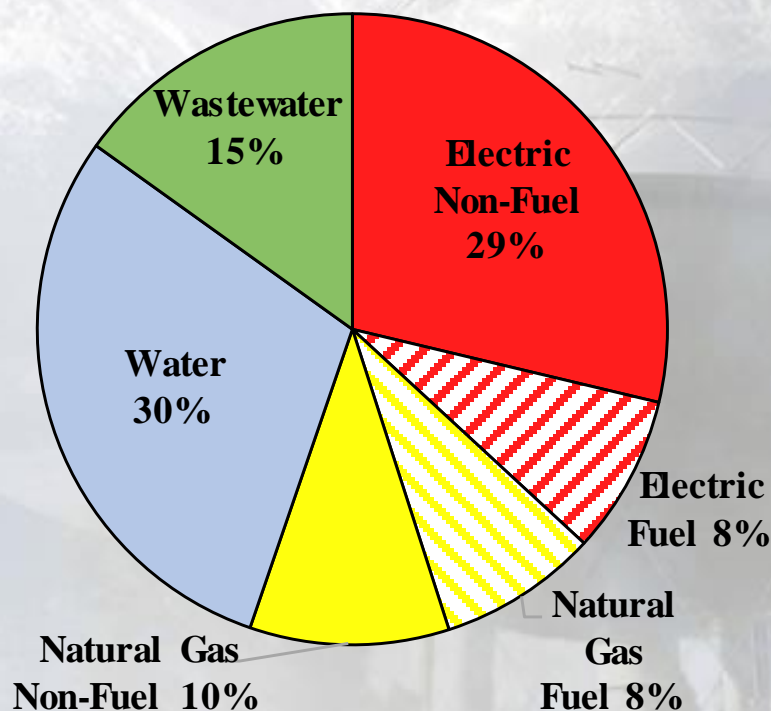
Note: 11/1/2016 ECA and GCA rate based on Alternative 1.

- **Additional Five-Year Typical Residential, Commercial and Industrial Bill History**
  - Tables on slides 28-31 identify a five-year average compounded annual percentage change
    - Residential has increased 1.10% annually over the last five years
    - Commercial has decreased 2.34% annually over the last five years
    - Average ETL has decreased 1.88% annually over the last five years
    - Industrial has increased 0.57% annually over the last five years
- **Generally, the ECA and GCA charges represent a significant portion of the business customer's bill**
  - Pie Charts on slides 28-31 identify the composition of the Typical Bill by service (fuel and non-fuel) as of January 1, 2017 based on proposed 2017 Rate Case filing and proposed ECA and GCA Alternative 1

## Five Year Typical Residential Bill History

Typical Residential Total Monthly Bill		
Effective Date	Total Bill	% Change
<i>5-year avg.</i>		<i>1.10%</i>
01/01/17	\$ 211.73	2.80%
01/01/16	\$ 205.96	-4.40%
01/01/15	\$ 215.43	4.10%
01/01/14	\$ 206.94	4.26%
01/01/13	\$ 198.49	-0.97%
01/01/12	\$ 200.44	

As of 01/01/2017



*Based on typical residential usage:*

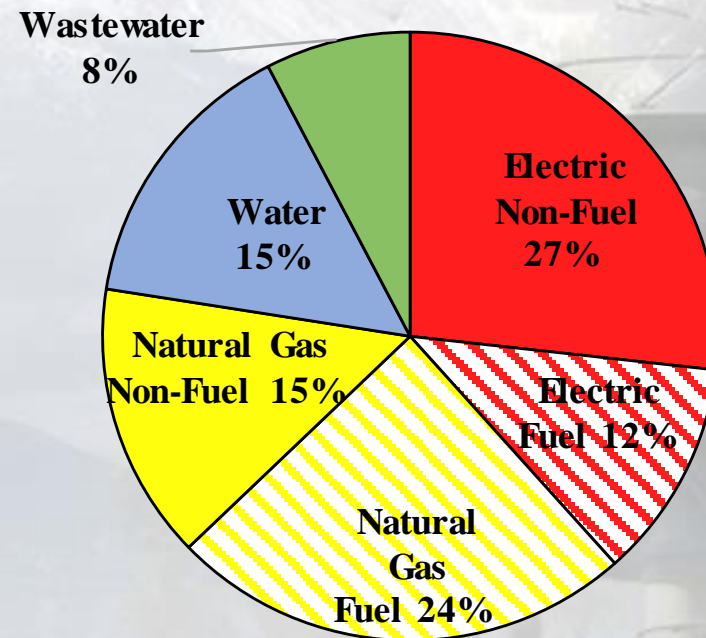
*Electric - E1R 600 kWh; Natural Gas - G1R 60 Ccf;*

*Water - W-R 1,100 cf; Wastewater - S-R 700 cf*

## Five Year Typical Commercial Bill History

As of 01/01/2017

Typical Commercial Total Monthly Bill		
Effective Date	Total Bill	% Change
5-year avg.		-2.34%
01/01/17	\$ 1,468.49	6.56%
01/01/16	\$ 1,378.04	-14.99%
01/01/15	\$ 1,620.98	6.25%
01/01/14	\$ 1,525.62	-0.99%
01/01/13	\$ 1,540.92	-6.80%
01/01/12	\$ 1,653.36	



*Based on typical commercial usage:*

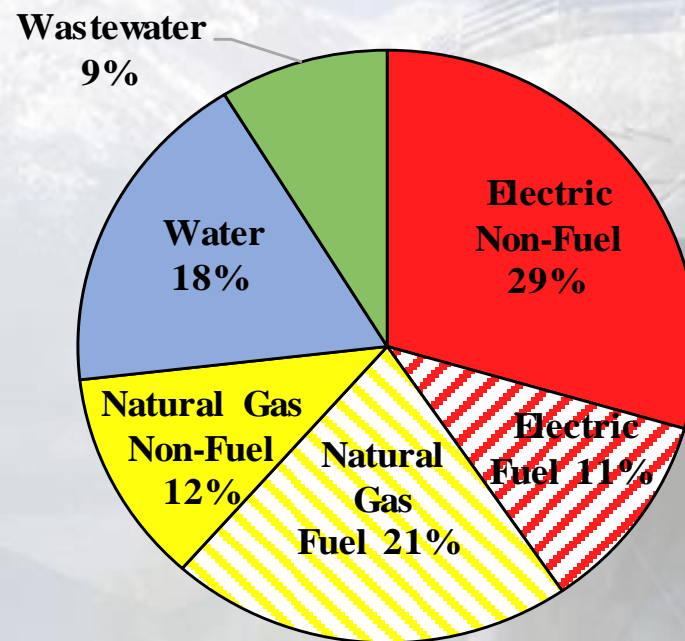
*Electric - E2C 6,000 kWh; Natural Gas - G1CL 1,240 Ccf;*

*Water - W-G 3,000 cf; Wastewater - S-C 3,000 cf*

## Five Year Average ETL Industrial Bill History

Average ETL Industrial Total Monthly Bill		
Effective Date	Total Bill	% Change
5-year avg.		-1.88%
01/01/17	\$ 15,922.32	8.73%
01/01/16	\$ 14,643.65	-14.97%
01/01/15	\$ 17,220.98	5.48%
01/01/14	\$ 16,326.76	0.54%
01/01/13	\$ 16,239.86	-7.23%
01/01/12	\$ 17,506.26	

As of 01/01/2017



*Based on average ETL with typical industrial natural gas, water and wastewater usage:*

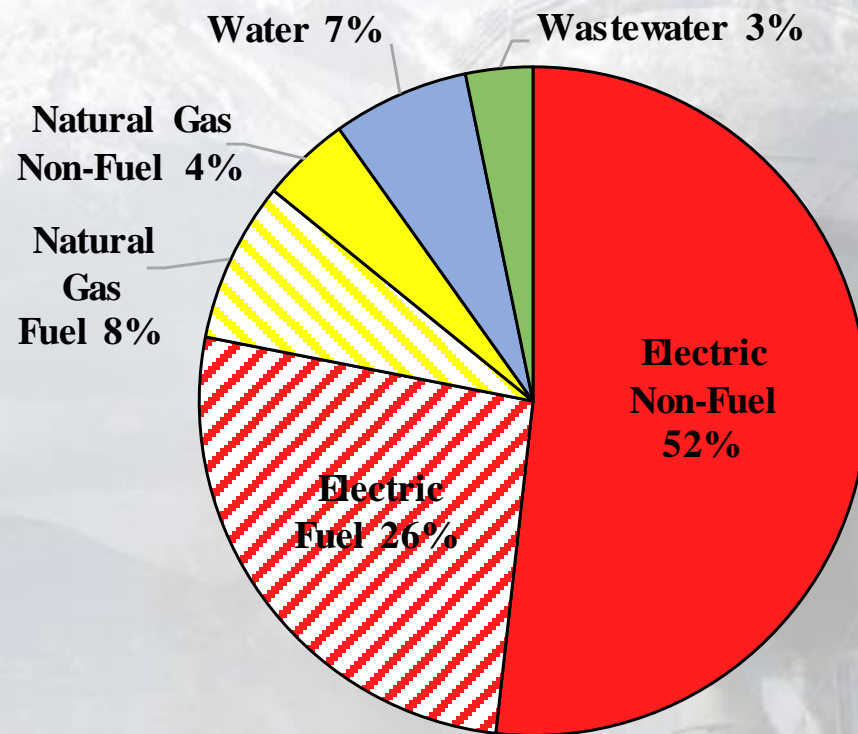
*Electric - ETL 60,000 kWh and 200 kW; Natural Gas - G1CL 12,400 Ccf*

*Water - W-G 50,000 cf; Wastewater - S-C 50,000 cf*

## Five Year Typical Industrial Bill History

Typical Industrial Total Monthly Bill		
Effective Date	Total Bill	% Change
5-year avg.		0.57%
01/01/17	\$ 43,263.86	5.09%
01/01/16	\$ 41,167.59	-7.64%
01/01/15	\$ 44,574.17	6.85%
01/01/14	\$ 41,717.90	4.59%
01/01/13	\$ 39,886.90	-5.17%
01/01/12	\$ 42,061.78	

As of 01/01/2017



**Based on typical industrial usage:**

*Electric - E8T 400,000 kWh and 1,000 kW; Natural Gas - G1CL 12,400 Ccf*

*Water - W-G 50,000 cf; Wastewater - S-C 50,000 cf*