

**AUSTIN ENERGY'S TARIFF PACKAGE:
2015 COST OF SERVICE
STUDY AND PROPOSAL TO CHANGE
BASE ELECTRIC RATES**

**BEFORE THE CITY OF AUSTIN
IMPARTIAL HEARING EXAMINER**

**AUSTIN ENERGY'S RESPONSE TO BETHANY UNITED METHODIST
CHURCH'S FOURTH REQUEST FOR INFORMATION**

Austin Energy ("AE") files this Response to Bethany United Methodist Church's Fourth Request for Information submitted on May 24, 2016. Pursuant to the City of Austin Procedural Rules for the Initial Review of Austin Energy's Rates § 7.3(c)(1), this Response is timely filed.

Respectfully submitted,

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ATTORNEYS FOR AUSTIN ENERGY

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of this pleading has been served on all parties and the Impartial Hearing Examiner on this 31st day of May, 2016, in accordance with the City of Austin Procedural Rules for the Initial Review of Austin Energy's Rates.



HANNAH M. WILCHAR

AUSTIN ENERGY
2016 MAY 31 PM 1:34

Bethany Church 4-1. In the Tariff package in Section 6.6.2. **Secondary Demand Customer Classes Rate Adjustment for Low Load Factor**, it is stated.... "any commercial customer with a load factor below 20 percent will be billed as if the customer had a 20 percent load factor. This approach will reduce billed demand that the customer would see on their bill..." Please show the calculations that would be made in the bill to quantify this benefit. Please include all formulas and the elements included in the calculation. Please show examples for 10% and 15% Load Factor Customers, demonstrating the rate mitigation results.

ANSWER:

Please see Attachments 1 and 2.

Prepared by: JL
Sponsored by: Mark Dreyfus

Sanctuary with 10% Load Factor

Bill Determinates

	Start	Stop	Hours
Meter reading	11/24/2015	12/28/2015	816

	On-Peak	Off-Peak	Total/Max
KWH	8,000	3,600	11,600
KW	142	112	142
Power Factor	83%	81%	83%

Season	Non Summer	
Load Factor		10.0% <i>kWh / (Hours* KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		-70.92 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment		0.00 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Rate	Proposed
Customer Charge	1	\$27.50	\$27.50
Delivery Charge	KW	\$4.00	\$568.00
Demand Charge	KW	\$5.75	\$816.50
Power Factor Adjustment	KW	\$12.98766	\$0.00 <i>per PF adjustment</i>
Load Factor Adjustment	KW	\$12.98766	-\$921.11 <i>per LF adjustment</i>
Energy Charge	kWh	\$0.02421	\$280.84
Power Supply Adjustment	kWh	\$0.03124	\$362.42
Regulatory Charge	KW	\$3.23766	\$459.75
CBC - CAP		\$0.00065	
CBC - SAL		\$0.00145	
CBC - EES		\$0.00246	
Total CBC	kWh	\$0.00455	\$52.81
Subtotal			\$1,646.71
Load Profiler			\$0.00
Total Charges			\$1,646.71

Sanctuary with 15% Load Factor

Bill Determinates

	Start	Stop	Hours
Meter reading	6/26/2015	7/28/2015	768

	On-Peak	Off-Peak	Total/Max
KWH	18,000	8,600	26,600
KW	162	231	231
Power Factor	92%	95%	95%

Season	Summer	
Load Factor		15.0% <i>kWh / (Hours* KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		-57.82 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment		0.00 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Rate	Proposed
Customer Charge	1	\$27.50	\$27.50
Delivery Charge	KW	\$4.00	\$924.00
Demand Charge	KW	\$5.75	\$1,328.25
Power Factor Adjustment	KW	\$12.98766	\$0.00 <i>per PF adjustment</i>
Load Factor Adjustment	KW	\$12.98766	-\$750.98 <i>per LF adjustment</i>
Energy Charge	kWh	\$0.02421	\$643.99
Power Supply Adjustment	kWh	\$0.03148	\$837.35
Regulatory Charge	KW	\$3.23766	\$747.90
CBC - CAP		\$0.00065	
CBC - SAL		\$0.00145	
CBC - EES		\$0.00246	
Total CBC	kWh	\$0.00455	\$121.09
Subtotal			\$3,879.09
Load Profiler			\$0.00
Total Charges			\$3,879.09

Austin Energy's Response to Bethany United Methodist Church's 4th RFI

Bethany Church 4-2. Has AE determined whether correcting Bethany's bill impact calculations for the 20% Load Factor floor would materially change any of the calculations? If "yes", please provide all calculations prepared by AE which demonstrate that correcting for this alleged error would cause the specific bill impacts presented by Bethany to materially change. Identify the specific bills which are affected and the corrected bill impact.

ANSWER:

Austin Energy did find material differences in the bill impacts as shown on page 3 of Bethany United Methodist Church's direct presentation. The table below highlights the changes to the bill impacts. For example, rather than the 35.1% increase in a Large UMC winter bill, the customer would experience an 8.4% increase.

	Winter % Increase			Summer % Increase		
	BUMC Analysis	AE Analysis	Chg.	BUMC Analysis	AE Analysis	Chg.
Large UMC	35.1%	8.4%	-26.7%	6.9%	7.3%	0.3%
Large Independent	-5.4%	-4.8%	0.6%	0.0%	0.0%	0.0%
Large Baptist	8.9%	7.6%	-1.2%	5.1%	4.7%	-0.5%
Large Episcopal	11.4%	12.0%	0.6%	-12.0%	-11.6%	0.4%
Small Christian	63.1%	14.9%	-48.2%	6.2%	4.1%	-2.1%
Small UMC	93.9%	12.3%	-81.6%	67.9%	14.5%	-53.4%
Small Episcopal	93.6%	14.9%	-78.7%	60.9%	16.9%	-44.0%
Small UMC	45.8%	30.1%	-15.6%	20.3%	19.7%	-0.6%
Medium Baptist	15.3%	8.8%	-6.5%	7.5%	11.1%	3.7%

Please see Attachments 1 and 2 for all calculations made in Austin Energy's analysis.

Prepared by: JL
Sponsored by: Mark Dreyfus

Summary

Percent Change in Bill

	Winter % Increase			Summer % Increase		
	BUMC Analysis	AE Analysis	Chg.	BUMC Analysis	AE Analysis	Chg.
Large UMC	35.1%	8.4%	-26.7%	6.9%	7.3%	0.3%
Large Independent	-5.4%	-4.8%	0.6%	0.0%	0.0%	0.0%
Large Baptist	8.9%	7.6%	-1.2%	5.1%	4.7%	-0.5%
Large Episcopal	11.4%	12.0%	0.6%	-12.0%	-11.6%	0.4%
Small Christian	63.1%	14.9%	-48.2%	6.2%	4.1%	-2.1%
Small UMC	93.9%	12.3%	-81.6%	67.9%	14.5%	-53.4%
Small Episcopal	93.6%	14.9%	-78.7%	60.9%	16.9%	-44.0%
Small UMC	45.8%	30.1%	-15.6%	20.3%	19.7%	-0.6%
Medium Baptist	15.3%	8.8%	-6.5%	7.5%	11.1%	3.7%

Note: Percent change in Large UMC uses the amounts provided by BUMC in response to AE RFI #1

Dollar Amount Change in Bill

	Winter % Increase			Summer % Increase		
	BUMC Analysis	AE Analysis	Chg.	BUMC Analysis	AE Analysis	Chg.
Large UMC	\$660	\$157	-\$503	\$180	\$189	\$8
Large Independent	-\$392	-\$350	\$43	\$0	\$0	\$0
Large Baptist	\$280	\$242	-\$39	\$182	\$165	-\$17
Large Episcopal	\$257	\$269	\$13	-\$435	-\$421	\$14
Small Christian	\$422	\$99	-\$322	\$66	\$44	-\$23
Small UMC	\$480	\$63	-\$417	\$465	\$99	-\$365
Small Episcopal	\$323	\$51	-\$271	\$391	\$109	-\$282
Small UMC	\$84	\$55	-\$29	\$215	\$208	-\$6
Medium Baptist	\$232	\$133	-\$99	\$257	\$383	\$126

Values are highlighted where AE calculations differs from BUMC

Large UMC

Bill Determinates

	Start	Stop	Hours
Meter reading	11/24/2015	12/28/2015	816

	On-Peak	Off-Peak	Total/Max
KWH	7,680	6,640	14,320
KW	84	120	120
Power Factor	84%	99%	99%

Season	Non Summer	
Load Factor		14.6% <i>kWh / (Hours* KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		-32.25 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	6.00	0.00 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$378.00	\$480.00	\$4.00	\$480.00
Demand Charge	KW	\$575.40	\$690.00	\$5.75	\$690.00
Power Factor Adjustment	KW	\$94.68	\$94.68	\$12.98766	\$0.00
Load Factor Adjustment	KW			\$12.98766	-\$418.92
Energy Charge	kWh	\$250.17	\$346.69	\$0.02421	\$346.69
Power Supply Adjustment	kWh	\$449.50	\$447.36	\$0.03124	\$447.40
Regulatory Charge	KW	\$372.12	\$388.80	\$3.23766	\$388.52
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$47.40	\$54.27	\$0.00455	\$65.19
Subtotal		\$2,232.27	\$2,529.30		\$2,026.38
Average per kWh		\$0.15588			
HOW Ceiling		0.13051			
HOW Discount		-\$363.37			
Load Profiler		\$15.00	\$15.00		\$15.00
Total Charges		\$1,883.90	\$2,544.30		\$2,041.38
Change from Current Bill			\$660.40		\$157.48
Per Change from Current Bill			35.1%		8.4%

Values are highlighted where AE calculations differs from BUMC

Large UMC

Bill Determinates

	Start	Stop	Hours
Meter reading	6/26/2015	7/28/2015	768

	On-Peak	Off-Peak	Total/Max
KWH	10,320	9,040	19,360
KW	92	118	118
Power Factor	87%	87%	87%

Season	Summer	
Load Factor		21.4% <i>kWh / (Hours* KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		0.00 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	3.17	4.06 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$414.00	\$470.40	\$4.00	\$470.40
Demand Charge	KW	\$722.20	\$676.20	\$5.75	\$676.20
Power Factor Adjustment	KW	\$47.42	\$47.42	\$12.98766	\$52.67
Load Factor Adjustment	KW			\$12.98766	\$0.00
Energy Charge	kWh	\$435.02	\$468.71	\$0.02421	\$468.71
Power Supply Adjustment	kWh	\$763.75	\$604.81	\$0.03148	\$609.44
Regulatory Charge	KW	\$239.20	\$381.02	\$3.23766	\$380.75
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$78.79	\$89.27	\$0.00455	\$88.13
Subtotal		\$2,765.38	\$2,765.33		\$2,773.80
Average per kWh		\$0.14284			
HOW Ceiling		0.13353			
HOW Discount		-\$180.24			
Load Profiler		\$15.00	\$15.00		\$15.00
Total Charges		\$2,600.14	\$2,780.33		\$2,788.80
Change from Current Bill			\$180.19		\$188.66
Per Change from Current Bill			6.9%		7.3%

Values are highlighted where AE calculations differs from BUMC

Large Independent
Bill Determinates

	Start	Stop	Hours
Meter reading	12/23/2015	1/26/2016	816

	On-Peak	Off-Peak	Total/Max
KWH	36,900	19,500	56,400
KW	270	270	270
Power Factor	98%	98%	98%

Season	Non Summer	
Load Factor		25.6% kWh / (Hours* KW)
Load Factor Floor		20.0%
Load Factor Adjustment		0.00 KW @ 20% LF - Actual KW
Power Factor Adjustment	0.00	0.00 When LF < 20%, no PF Adj.
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$1,215.00	\$1,080.00	\$4.00	\$1,080.00
Demand Charge	KW	\$1,849.50	\$1,552.50	\$5.75	\$1,552.50
Power Factor Adjustment	KW	\$0.00	\$0.00	\$12.98766	\$0.00
Load Factor Adjustment	KW			\$12.98766	\$0.00
Energy Charge	kWh	\$985.31	\$1,365.44	\$0.02421	\$1,365.44
Power Supply Adjustment	kWh	\$1,770.40	\$1,761.94	\$0.03124	\$1,762.11
Regulatory Charge	KW	\$1,196.10	\$874.80	\$3.23766	\$874.17
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$186.68	\$213.75	\$0.00455	\$256.76
Subtotal		\$7,267.99	\$6,875.93		\$6,918.48
Average per kWh		\$0.12887			
HOW Ceiling		0.13051			
HOW Discount		\$0.00			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$7,267.99	\$6,875.93		\$6,918.48
Change from Current Bill			-\$392.06		-\$349.51
Per Change from Current Bill			-5.4%		-4.8%

Values are highlighted where AE calculations differs from BUMC
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B L A N K

Bill Determinates

	Start	Stop	Hours
Meter reading			

	On-Peak	Off-Peak	Total/Max
KWH			
KW			
Power Factor			

Season			
Load Factor			<i>kWh / (Hours* KW)</i>
Load Factor Floor			
Load Factor Adjustment			<i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment			<i>When LF < 20%, no PF Adj.</i>
Rate			

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1			\$27.50	
Delivery Charge	KW			\$4.00	
Demand Charge	KW			\$5.75	
Power Factor Adjustment	KW			\$12.98766	
Load Factor Adjustment	KW			\$12.98766	
Energy Charge	kWh			\$0.02421	
Power Supply Adjustment	kWh			\$0.03124	
Regulatory Charge	KW			\$3.23766	
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh			\$0.00455	
Subtotal		\$0.00	\$0.00		\$0.00
Average per kWh					
HOW Ceiling					
HOW Discount					
Load Profiler					
Total Charges		\$0.00	\$0.00		\$0.00
Change from Current Bill			\$0.00		\$0.00
Per Change from Current Bill					

Values are highlighted where AE calculations differs from BUMC
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Large Baptist

Bill Determinates

	Start	Stop	Hours
Meter reading	12/11/2015	1/13/2016	792

	On-Peak	Off-Peak	Total/Max
KWH	16,400	7,800	24,200
KW	114	138	138
Power Factor	83%	84%	84%

Season	Non Summer	
Load Factor		22.1% <i>kWh / (Hours* KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		0.00 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	9.61	9.86 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$513.00	\$552.00	\$4.00	\$552.00
Demand Charge	KW	\$780.90	\$793.50	\$5.75	\$793.50
Power Factor Adjustment	KW	\$151.71	\$184.73	\$12.98766	\$128.02
Load Factor Adjustment	KW			\$12.98766	\$0.00
Energy Charge	kWh	\$422.77	\$585.88	\$0.02421	\$585.88
Power Supply Adjustment	kWh	\$759.64	\$756.01	\$0.03124	\$756.08
Regulatory Charge	KW	\$505.02	\$447.12	\$3.23766	\$446.80
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$80.11	\$91.73	\$0.00455	\$110.17
Subtotal		\$3,278.15	\$3,438.47		\$3,399.95
Average per kWh		\$0.13546			
HOW Ceiling		0.13051			
HOW Discount		-\$119.81			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$3,158.34	\$3,438.47		\$3,399.95
Change from Current Bill			\$280.13		\$241.61
Per Change from Current Bill			8.9%		7.6%

Values are highlighted where AE calculations differs from BUMC

**Large Baptist
Bill Determinates**

	Start	Stop	Hours
Meter reading	6/12/2015	7/14/2015	768

	On-Peak	Off-Peak	Total/Max
KWH	17,200	9,400	26,600
KW	150	146	150
Power Factor	84%	84%	84%

Season	Summer	
Load Factor		23.1% <i>kWh / (Hours * KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		0.00 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	10.71	10.71 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$675.00	\$600.00	\$4.00	\$600.00
Demand Charge	KW	\$1,177.50	\$862.50	\$5.75	\$862.50
Power Factor Adjustment	KW	\$160.17	\$160.17	\$12.98766	\$139.15
Load Factor Adjustment	KW			\$12.98766	\$0.00
Energy Charge	kWh	\$597.70	\$643.99	\$0.02421	\$643.99
Power Supply Adjustment	kWh	\$1,049.37	\$830.98	\$0.03148	\$837.35
Regulatory Charge	KW	\$390.00	\$486.00	\$3.23766	\$485.65
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$108.26	\$122.88	\$0.00455	\$121.09
Subtotal		\$4,223.00	\$3,734.02		\$3,717.23
Average per kWh		\$0.15876			
HOW Ceiling		0.13353			
HOW Discount		-\$671.10			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$3,551.90	\$3,734.02		\$3,717.23
Change from Current Bill			\$182.12		\$165.33
Per Change from Current Bill			5.1%		4.7%

Values are highlighted where AE calculations differs from BUMC
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Large Episcopal
Bill Determinates

	Start	Stop	Hours
Meter reading	11/30/2015	12/30/2015	720

	On-Peak	Off-Peak	Total/Max
KWH	12,800	4,400	17,200
KW	112	60	112
Power Factor	93%	93%	93%

Season	Non Summer	
Load Factor		21.3% <i>kWh / (Hours* KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		0.00 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	0.00	0.00 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$504.00	\$448.00	\$4.00	\$448.00
Demand Charge	KW	\$767.20	\$644.00	\$5.75	\$644.00
Power Factor Adjustment	KW	\$0.00	\$0.00	\$12.98766	\$0.00
Load Factor Adjustment	KW			\$12.98766	\$0.00
Energy Charge	kWh	\$300.48	\$416.41	\$0.02421	\$416.41
Power Supply Adjustment	kWh	\$539.91	\$537.33	\$0.03124	\$537.38
Regulatory Charge	KW	\$496.16	\$362.88	\$3.23766	\$362.62
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$56.94	\$65.20	\$0.00455	\$78.30
Subtotal		\$2,729.69	\$2,501.32		\$2,514.21
Average per kWh		\$0.15870			
HOW Ceiling		0.13051			
HOW Discount		-\$484.92			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$2,244.77	\$2,501.32		\$2,514.21
Change from Current Bill			\$256.55		\$269.44
Per Change from Current Bill			11.4%		12.0%

Values are highlighted where AE calculations differs from BUMC

**Large Episcopal
Bill Determinates**

	Start	Stop	Hours
Meter reading	6/30/2015	7/31/2015	744

	On-Peak	Off-Peak	Total/Max
KWH	20,400	8,000	28,400
KW	112	100	112
Power Factor	92%	91%	92%

Season	Summer	
Load Factor		34.1% <i>kWh / (Hours * KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		0.00 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	0.00	0.00 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$504.00	\$448.00	\$4.00	\$448.00
Demand Charge	KW	\$879.20	\$644.00	\$5.75	\$644.00
Power Factor Adjustment	KW	\$0.00	\$0.00	\$12.98766	\$0.00
Load Factor Adjustment	KW			\$12.98766	\$0.00
Energy Charge	kWh	\$638.15	\$687.56	\$0.02421	\$687.56
Power Supply Adjustment	kWh	\$1,120.38	\$887.22	\$0.03148	\$894.01
Regulatory Charge	KW	\$291.20	\$362.88	\$3.23766	\$362.62
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$115.59	\$121.60	\$0.00455	\$129.29
Subtotal		\$3,613.52	\$3,178.76		\$3,192.98
Average per kWh		\$0.12724			
HOW Ceiling		0.13353			
HOW Discount		\$0.00			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$3,613.52	\$3,178.76		\$3,192.98
Change from Current Bill			-\$434.76		-\$420.54
Per Change from Current Bill			-12.0%		-11.6%

Values are highlighted where AE calculations differs from BUMC
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Small Christian

Bill Determinates

	Start	Stop	Hours
Meter reading	12/21/2015	1/22/2016	768

	On-Peak	Off-Peak	Total/Max
KWH	3,520	1,600	5,120
KW	36	58	58
Power Factor	97%	96%	96%

Season	Non Summer	
Load Factor		11.6% <i>kWh / (Hours* KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		-24.27 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	0.00	0.00 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$25.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$144.00	\$230.40	\$4.00	\$230.40
Demand Charge	KW	\$185.40	\$331.20	\$5.75	\$331.20
Power Factor Adjustment	KW	\$0.00	\$0.00	\$12.98766	\$0.00
Load Factor Adjustment	KW			\$12.98766	-\$315.17
Energy Charge	kWh	\$123.60	\$123.96	\$0.02421	\$123.96
Power Supply Adjustment	kWh	\$160.72	\$159.95	\$0.03124	\$159.96
Regulatory Charge	KW	\$164.52	\$186.62	\$3.23766	\$186.49
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$26.57	\$30.42	\$0.00455	\$23.31
Subtotal		\$829.81	\$1,090.05		\$767.65
Average per kWh		\$0.16207			
HOW Ceiling		0.13051			
HOW Discount		-\$161.60			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$668.21	\$1,090.05		\$767.65
Change from Current Bill			\$421.84		\$99.44
Per Change from Current Bill			63.1%		14.9%

Values are highlighted where AE calculations differs from BUMC

Small Christian

Bill Determinates

	Start	Stop	Hours
Meter reading	7/23/2015	8/24/2015	768

	On-Peak	Off-Peak	Total/Max
KWH	5,120	2,880	8,000
KW	38	46	46
Power Factor	90%	95%	95%

Season	Summer	
Load Factor		22.4% <i>kWh / (Hours * KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		0.00 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	0.00	0.00 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$25.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$153.60	\$185.60	\$4.00	\$185.60
Demand Charge	KW	\$236.16	\$266.80	\$5.75	\$266.80
Power Factor Adjustment	KW	\$0.00	\$0.00	\$12.98766	\$0.00
Load Factor Adjustment	KW			\$12.98766	\$0.00
Energy Charge	kWh	\$233.12	\$193.68	\$0.02421	\$193.68
Power Supply Adjustment	kWh	\$315.60	\$249.92	\$0.03148	\$251.83
Regulatory Charge	KW	\$102.91	\$150.34	\$3.23766	\$150.23
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$53.04	\$60.73	\$0.00455	\$36.42
Subtotal		\$1,119.43	\$1,134.57		\$1,112.06
Average per kWh		\$0.13993			
HOW Ceiling		0.13353			
HOW Discount		-\$51.19			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$1,068.24	\$1,134.57		\$1,112.06
Change from Current Bill			\$66.33		\$43.82
Per Change from Current Bill			6.2%		4.1%

Values are highlighted where AE calculations differs from BUMC

Small UMC

Bill Determinates

	Start	Stop	Hours
Meter reading	11/25/2015	12/29/2015	816

	On-Peak	Off-Peak	Total/Max
KWH	1,920	2,000	3,920
KW	40	50	50
Power Factor	79%	84%	84%

Season	Non Summer	
Load Factor		9.7% <i>kWh / (Hours* KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		-25.58 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	5.57	0.00 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$180.00	\$198.40	\$4.00	\$198.40
Demand Charge	KW	\$274.00	\$285.20	\$5.75	\$285.20
Power Factor Adjustment	KW	\$87.90	\$87.90	\$12.98766	\$0.00
Load Factor Adjustment	KW			\$12.98766	-\$332.23
Energy Charge	kWh	\$68.46	\$94.90	\$0.02421	\$94.90
Power Supply Adjustment	kWh	\$123.05	\$122.46	\$0.03124	\$122.47
Regulatory Charge	KW	\$177.20	\$160.70	\$3.23766	\$160.59
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$12.96	\$14.84	\$0.00455	\$17.85
Subtotal		\$988.57	\$991.91		\$574.68
Average per kWh		\$0.25219			
HOW Ceiling		0.13051			
HOW Discount		-\$476.97			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$511.60	\$991.91		\$574.68
Change from Current Bill			\$480.31		\$63.08
Per Change from Current Bill			93.9%		12.3%

Values are highlighted where AE calculations differs from BUMC

Small UMC

Bill Determinates

	Start	Stop	Hours
Meter reading	6/29/2015	7/30/2015	744

	On-Peak	Off-Peak	Total/Max
KWH	2,640	2,480	5,120
KW	37	55	55
Power Factor	77%	81%	81%

Season	Summer	
Load Factor		12.5% <i>kWh / (Hours* KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		-20.79 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	6.21	0.00 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$165.60	\$220.80	\$4.00	\$220.80
Demand Charge	KW	\$288.88	\$317.40	\$5.75	\$317.40
Power Factor Adjustment	KW	\$92.88	\$95.88	\$12.98766	\$0.00
Load Factor Adjustment	KW			\$12.98766	-\$270.03
Energy Charge	kWh	\$115.05	\$123.96	\$0.02421	\$123.96
Power Supply Adjustment	kWh	\$201.98	\$159.95	\$0.03148	\$161.17
Regulatory Charge	KW	\$95.68	\$178.85	\$3.23766	\$178.72
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$20.84	\$23.86	\$0.00455	\$23.31
Subtotal		\$1,045.91	\$1,148.19		\$782.82
Average per kWh		\$0.20428			
HOW Ceiling		0.13353			
HOW Discount		-\$362.24			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$683.67	\$1,148.19		\$782.82
Change from Current Bill			\$464.52		\$99.15
Per Change from Current Bill			67.9%		14.5%

Values are highlighted where AE calculations differs from BUMC

Small Episcopal
Bill Determinates

	Start	Stop	Hours
Meter reading	11/25/2015	12/29/2015	816

	On-Peak	Off-Peak	Total/Max
KWH	1,480	1,160	2,640
KW	37	34	37
Power Factor	90%	91%	90%

Season	Non Summer	
Load Factor		8.7% <i>kWh / (Hours * KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		-21.02 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	0.00	0.00 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$167.40	\$148.80	\$4.00	\$148.80
Demand Charge	KW	\$254.82	\$213.90	\$5.75	\$213.90
Power Factor Adjustment	KW	\$0.00	\$0.00	\$12.98766	\$0.00
Load Factor Adjustment	KW			\$12.98766	-\$273.05
Energy Charge	kWh	\$46.12	\$63.91	\$0.02421	\$63.91
Power Supply Adjustment	kWh	\$82.87	\$82.47	\$0.03124	\$82.48
Regulatory Charge	KW	\$164.80	\$120.53	\$3.23766	\$120.44
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$8.75	\$10.02	\$0.00455	\$12.02
Subtotal		\$789.76	\$667.13		\$396.01
Average per kWh		\$0.29915			
HOW Ceiling		0.13051			
HOW Discount		-\$445.21			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$344.55	\$667.13		\$396.01
Change from Current Bill			\$322.58		\$51.46
Per Change from Current Bill			93.6%		14.9%

Values are highlighted where AE calculations differs from BUMC
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Small Episcopal

Bill Determinates

	Start	Stop	Hours
Meter reading	6/29/2015	7/29/2015	720

	On-Peak	Off-Peak	Total/Max
KWH	2,560	2,240	4,800
KW	53	54	54
Power Factor	89%	90%	90%

Season	Summer	
Load Factor		12.3% <i>kWh / (Hours* KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		-21.07 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	0.59	0.00 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$237.60	\$217.60	\$4.00	\$217.60
Demand Charge	KW	\$414.48	\$312.80	\$5.75	\$312.80
Power Factor Adjustment	KW	\$8.87	\$8.87	\$12.98766	\$0.00
Load Factor Adjustment	KW			\$12.98766	-\$273.61
Energy Charge	kWh	\$107.86	\$116.21	\$0.02421	\$116.21
Power Supply Adjustment	kWh	\$189.36	\$149.95	\$0.03148	\$151.10
Regulatory Charge	KW	\$137.28	\$176.26	\$3.23766	\$176.13
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$19.53	\$22.36	\$0.00455	\$21.85
Subtotal		\$1,179.98	\$1,031.55		\$749.58
Average per kWh		\$0.24583			
HOW Ceiling		0.133537			
HOW Discount		-\$539.00			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$640.98	\$1,031.55		\$749.58
Change from Current Bill			\$390.57		\$108.60
Per Change from Current Bill			60.9%		16.9%

Values are highlighted where AE calculations differs from BUMC

Small UMC

Bill Determinates

	Start	Stop	Hours
Meter reading	11/18/2015	12/18/2015	720

	On-Peak	Off-Peak	Total/Max
KWH	1,000	400	1,400
KW	9	12	12
Power Factor	98%	78%	78%

Season	Non Summer	
Load Factor		16.2% <i>kWh / (Hours * KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		-2.28 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	0.00	0.00 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$41.40	\$48.00	\$4.00	\$48.00
Demand Charge	KW	\$63.02	\$69.00	\$5.75	\$69.00
Power Factor Adjustment	KW	\$0.00	\$0.00	\$12.98766	\$0.00
Load Factor Adjustment	KW			\$12.98766	-\$29.58
Energy Charge	kWh	\$24.46	\$33.89	\$0.02421	\$33.89
Power Supply Adjustment	kWh	\$43.95	\$43.74	\$0.03124	\$43.74
Regulatory Charge	KW	\$40.76	\$38.88	\$3.23766	\$38.85
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$4.63	\$5.30	\$0.00455	\$6.37
Subtotal		\$283.22	\$266.31		\$237.78
Average per kWh		\$0.20230			
HOW Ceiling		0.13051			
HOW Discount		-\$100.51			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$182.71	\$266.31		\$237.78
Change from Current Bill			\$83.60		\$55.07
Per Change from Current Bill			45.8%		30.1%

Values are highlighted where AE calculations differs from BUMC

Small UMC

Bill Determinates

	Start	Stop	Hours
Meter reading	7/22/2015	8/21/2015	720

	On-Peak	Off-Peak	Total/Max
KWH	5,440	2,480	7,920
KW	50	51	51
Power Factor	78%	78%	78%

Season	Summer	
Load Factor		21.7% <i>kWh / (Hours * KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		0.00 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	7.75	7.82 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$226.80	\$203.20	\$4.00	\$203.20
Demand Charge	KW	\$395.64	\$292.10	\$5.75	\$292.10
Power Factor Adjustment	KW	\$115.92	\$108.71	\$12.98766	\$101.50
Load Factor Adjustment	KW			\$12.98766	\$0.00
Energy Charge	kWh	\$177.96	\$191.74	\$0.02421	\$191.74
Power Supply Adjustment	kWh	\$312.44	\$247.42	\$0.03148	\$249.32
Regulatory Charge	KW	\$131.04	\$164.59	\$3.23766	\$164.47
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$32.24	\$36.91	\$0.00455	\$36.05
Subtotal		\$1,457.04	\$1,272.18		\$1,265.89
Average per kWh		\$0.18397			
HOW Ceiling		0.13353			
HOW Discount		-\$399.48			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$1,057.56	\$1,272.18		\$1,265.89
Change from Current Bill			\$214.62		\$208.33
Per Change from Current Bill			20.3%		19.7%

Values are highlighted where AE calculations differs from BUMC

Medium Baptist
Bill Determinates

	Start	Stop	Hours
Meter reading	11/24/2015	12/28/2015	816

	On-Peak	Off-Peak	Total/Max
KWH	8,000	3,600	11,600
KW	72	56	72
Power Factor	83%	81%	83%

Season	Non Summer	
Load Factor		19.7% <i>kWh / (Hours * KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		-0.92 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	6.07	0.00 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$324.00	\$288.00	\$4.00	\$288.00
Demand Charge	KW	\$493.20	\$414.00	\$5.75	\$414.00
Power Factor Adjustment	KW	\$95.81	\$95.81	\$12.98766	\$0.00
Load Factor Adjustment	KW			\$12.98766	-\$11.97
Energy Charge	kWh	\$202.65	\$280.84	\$0.02421	\$280.84
Power Supply Adjustment	kWh	\$364.12	\$362.38	\$0.03124	\$362.42
Regulatory Charge	KW	\$318.96	\$233.28	\$3.23766	\$233.11
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$38.40	\$43.97	\$0.00455	\$52.81
Subtotal		\$1,902.14	\$1,745.78		\$1,646.71
Average per kWh		\$0.16398			
HOW Ceiling		0.13051			
HOW Discount		-\$388.22			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$1,513.92	\$1,745.78		\$1,646.71
Change from Current Bill			\$231.86		\$132.79
Per Change from Current Bill			15.3%		8.8%

Values are highlighted where AE calculations differs from BUMC
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**Medium Baptist
Bill Determinates**

	Start	Stop	Hours
Meter reading	6/26/2015	7/28/2015	768

	On-Peak	Off-Peak	Total/Max
KWH	18,000	8,600	26,600
KW	96	146	146
Power Factor	80%	78%	78%

Season	Summer	
Load Factor		23.7% <i>kWh / (Hours* KW)</i>
Load Factor Floor		20.0%
Load Factor Adjustment		0.00 <i>KW @ 20% LF - Actual KW</i>
Power Factor Adjustment	12.00	22.46 <i>When LF < 20%, no PF Adj.</i>
Rate		S2-IN-P

		Current Bill	Proposed Bill	Rate	AE Correction
Customer Charge	1	\$65.00	\$27.50	\$27.50	\$27.50
Delivery Charge	KW	\$432.00	\$584.00	\$4.00	\$584.00
Demand Charge	KW	\$753.60	\$839.50	\$5.75	\$839.50
Power Factor Adjustment	KW	\$179.40	\$179.40	\$12.98766	\$291.72
Load Factor Adjustment	KW			\$12.98766	\$0.00
Energy Charge	kWh	\$597.70	\$643.99	\$0.02421	\$643.99
Power Supply Adjustment	kWh	\$1,049.37	\$830.98	\$0.03148	\$837.35
Regulatory Charge	KW	\$249.60	\$473.04	\$3.23766	\$472.70
CBC - CAP				\$0.00065	
CBC - SAL				\$0.00145	
CBC - EES				\$0.00246	
Total CBC	kWh	\$108.26	\$113.89	\$0.00455	\$121.09
Subtotal		\$3,434.93	\$3,692.30		\$3,817.85
Average per kWh		\$0.12913			
HOW Ceiling		0.13051			
HOW Discount		\$0.00			
Load Profiler		\$0.00	\$0.00		\$0.00
Total Charges		\$3,434.93	\$3,692.30		\$3,817.85
Change from Current Bill			\$257.37		\$382.92
Per Change from Current Bill			7.5%		11.1%

Values are highlighted where AE calculations differs from BUMC
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Austin Energy's Response to Bethany United Methodist Church's 4th RFI

Bethany Church 4-3. Please provide the proposed schedule (approximate timeframes) for the AE proposed studies of commercial rates and characteristics referenced in the ICA Direct Testimony (page 89 of 105) in particular the study of commercial accounts experiencing demand peaks on weekends, outside the AE system peak.

ANSWER:

At this time, Austin Energy does not have a proposed schedule for the proposed studies referenced in Mr. Johnson's testimony.

Prepared by: MKD
Sponsored by: Mark Dreyfus