

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of KCP&L Greater Missouri)	
Operations Company's Request for Authority)	<u>Case No. ER-2016-0156</u>
to Implement a General Rate Increase for)	Tracking No. YE-2016-0223
Electric Service)	

**NON-UNANIMOUS STIPULATION AND AGREEMENT
BILLING DETERMINANTS INCORPORATED BY REFERENCE**

COMES NOW the Staff of the Missouri Public Service Commission and supplies in the attachment to this pleading the billing determinants incorporated by reference into the Non-Unanimous Stipulation and Agreement filed September 20, 2016, by paragraph 11(1)a. on page 5 of that agreement.

Respectfully submitted,

/s/ Nathan Williams

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CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing have been mailed with first-class postage, hand-delivered, transmitted by facsimile or electronically mailed to all counsel of record this 22nd day of September, 2016.

/s/ Nathan Williams

Staff's Class Cost of Service ("CCOS") Direct-Filed Billing
Determinants for Consolidated Rate Classes as Supplied in Staff's
Workpaper "Info for Rate Design"

CONSOLIDATED (MPS & L&P)
ER-2016-0156

RESIDENTIAL	Ending Billing Determinants
CUSTOMER CHARGE	
One Meter	3,273,240
One Meter - Other Use	38,832
ENERGY CHARGE	
Summer Rate	
<u>Summer Gen - RES MORG,MORN,MORH, MORNH</u>	
0-600	592,970,046
600-1000	297,356,751
1000+	402,106,310
Winter Rates	
<u>Winter Gen - RES MORG,MORN</u>	
0-600	662,162,908
600-1000	192,888,048
1000+	182,243,922
<u>Winter Gen&S/H - RES MORH, MORNH</u>	
0-600	448,292,485
600-1000	213,101,951
1000+	469,475,465
<u>Gen/Other Use - RES MORO</u>	
Winter	8,021,841
Summer	3,098,356
<u>Net Metering Credit</u>	
<u>Ex. Facilities</u>	
<u>Time of Day - MO600</u>	
Customer Charge	
Summer On-Peak	
Summer Shoulder	
Summer Off-Peak	
Winter On-Peak	
Winter Off-Peak	
SMALL GENERAL SERVICE	

A: CUSTOMER CHARGESUMMER/WINTER

Non-demand service (MOSGS, MOSNS)	324,832
Secondary service with demand (MOSDS, MOSND, MOSGP)	115,176
Primary service with demand (MOSHS)	648

B: Facilities Charge

Per kW of Facilities Demand (MOSDS, MOSND)	4,723,500
Per kW of Facilities Demand (MOSGP)	8,202

C: DEMAND CHARGESECONDARY-SUMMER: (MOSDS, MOSND)

Base Billing Demand	1,330,459
Seasonal Billing Demand	

SECONDARY-WINTER: (MOSDS, MOSND)

Base Billing Demand	1,757,479
Seasonal Billing Demand	

PRIMARY-SUMMER: (MOSGP)

Base Billing Demand	1,428
Seasonal Billing Demand	

PRIMARY-WINTER: (MOSGP)

Base Billing Demand	1,973
Seasonal Billing Demand	

D: ENERGY CHARGENON-DEMAND SUMMER: (MOSGS, MOSNS, MOSHS)

Base Energy	74,011,792
Seasonal Energy	

NON-DEMAND WINTER: (MOSGS, MOSNS)

Base Energy	126,643,482
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NON-DEMAND WINTER: (MOSHS)

Base Energy	646,078
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NON-DEMAND WINTER: (MOSGS, MOSNS, MOSHS)

Seasonal Energy	27,859,849
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SECONDARY-SUMMER: (MOSDS, MOSND)

Energy	
First 180 Hours Use	172,793,166
Over 180 Hours Use	105,809,876

SECONDARY-WINTER: (MOSDS, MOSND)

Base Energy	
First 180 Hours Use	280,128,672
Over 180 Hours Use	154,874,812

Seasonal Energy

First 180 Hours Use	32,142,440
Over 180 Hours Use	

<u>PRIMARY-SUMMER: (MOSGP)</u>	
Energy	
First 180 Hours Use	138,252
Over 180 Hours Use	109,217
<u>PRIMARY-WINTER: (MOSGP)</u>	
Base Energy	
First 180 Hours Use	188,592
Over 180 Hours Use	178,720
Seasonal Energy	
First 180 Hours Use	75,058
Over 180 Hours Use	
<u>Net Metering Credit (MOSND, MOSNS)</u>	
<u>Ex. Facilities</u>	
LARGE GENERAL SERVICE	
A: CUSTOMER CHARGE	
<u>SUMMER/WINTER</u>	
Secondary Service (MOLGS, MOLNS)	
Primary Service (MOLGP, MOLNP)	21,879
	432
B: Facilities Charge	
Per kW of Facilities Demand (MOLGS, MOLNS)	
Per kW of Facilities Demand (MOLGP, MOLNP)	5,412,170
	419,173
C: DEMAND CHARGE	
<u>SECONDARY-SUMMER: (MOLGS, MOLNS)</u>	
Base Billing Demand	
Seasonal Billing Demand	1,552,696
<u>SECONDARY-WINTER: (MOLGS, MOLNS)</u>	
Base Billing Demand	
Seasonal Billing Demand	2,434,193
<u>PRIMARY-SUMMER: (MOLGP, MOLNP)</u>	
Base Billing Demand	
Seasonal Billing Demand	96,752
<u>PRIMARY-WINTER: (MOLGP, MOLNP)</u>	
Base Billing Demand	
Seasonal Billing Demand	130,989
D: ENERGY CHARGE	
<u>SECONDARY-SUMMER: (MOLGS, MOLNS)</u>	
Energy Charge	
0-180 hrs use per month	
181-360 hrs use per month	232,452,434
361+ hrs use per month	168,047,486

<u>SECONDARY-WINTER: (MOLGS, MOLNS)</u>	72,914,629
Base Energy	
0-180 hrs use per month	
181-360 hrs use per month	406,216,975
361+ hrs use per month	279,781,829
Seasonal Energy	108,387,927
	39,766,905
<u>PRIMARY-SUMMER: (MOLGP, MOLNP)</u>	
Energy Charge	
0-180 hrs use per month	
181-360 hrs use per month	15,352,930
361+ hrs use per month	11,724,170
<u>PRIMARY-WINTER: (MOLGP, MOLNP)</u>	3,138,112
Base Energy	
0-180 hrs use per month	
181-360 hrs use per month	22,339,156
361+ hrs use per month	14,556,636
Seasonal Energy	3,748,260
<u>Net Metering Credit</u>	905,385
<u>Primary Discount</u>	
<u>Ex. Facilities</u>	
	5,834,457,808
Large Power	M
	Best-fit
A: CUSTOMER CHARGE	
SUMMER/WINTER	
Secondary Service (MO730)	
Primary Service (MO735)	1,968
Substation	408
Transmission	48
	60
A1. FACILITIES DEMAND	
Secondary	
0-500 KW	
> 500 KW	983,917
Primary	1,611,170
0-500 KW	
> 500 KW	204,000
Substation	1,692,113
0-500 KW	
> 500 KW	
Transmission	
0-500 KW	
> 500 KW	

B: DEMAND CHARGE	
SECONDARY-SUMMER: (MO730)	
0-500 KW	
> 500 KW	325,659
	485,507
SECONDARY-WINTER: (MO730)	
0-500 KW	
> 500 KW	655,503
	828,317
PRIMARY-SUMMER: (MO735)	
0-500 KW	
> 500 KW	68,000
	508,659
PRIMARY-WINTER: (MO735)	
0-500 KW	
> 500 KW	136,000
	876,163
SUBSTATION-SUMMER:	
0-500 KW	
> 500 KW	5,196
	38,190
SUBSTATION-WINTER:	
0-500 KW	
> 500 KW	15,963
	73,886
TRANSMISSION-SUMMER:	
0-500 KW	
> 500 KW	10,000
	37,226
TRANSMISSION-WINTER:	
0-500 KW	
> 500 KW	20,000
	73,625
C: ENERGY CHARGE	
SECONDARY-SUMMER: (MO730)	
Energy	
0-180 hrs use per month	
181-360 hrs use per month	145,109,631
361+ hrs use per month	144,547,240
	131,373,574
SECONDARY-WINTER: (MO730)	
Base Energy	
0-180 hrs use per month	

181-360 hrs use per month	263,359,313
361+ hrs use per month	261,500,681
	225,713,651
Seasonal Energy	
	8,342,603
PRIMARY-SUMMER: (MO735)	
Energy	
0-180 hrs use per month	
181-360 hrs use per month	103,852,721
361+ hrs use per month	103,719,964
	104,921,759
PRIMARY-WINTER: (MO735)	
Base Energy	
0-180 hrs use per month	
181-360 hrs use per month	181,746,173
361+ hrs use per month	180,392,244
	187,569,791
Seasonal Energy	
	5,764,920
SUBSTATION-SUMMER: (MO735)	
Energy	
0-180 hrs use per month	
181-360 hrs use per month	7,777,681
361+ hrs use per month	7,769,561
	11,198,400
SUBSTATION-WINTER: (MO735)	
Base Energy	
0-180 hrs use per month	
181-360 hrs use per month	14,968,456
361+ hrs use per month	14,873,166
	21,960,581
Seasonal Energy	
	1,066,105
TRANSMISSION-SUMMER: (MO735)	
Energy	
0-180 hrs use per month	
181-360 hrs use per month	8,500,590

361+ hrs use per month	8,475,199
	5,511,984
TRANSMISSION-WINTER: (MO735)	
Base Energy	
0-180 hrs use per month	
181-360 hrs use per month	16,852,583
361+ hrs use per month	16,703,413
	9,733,880
Seasonal Energy	
	719,003
D: REACTIVE DEMAND	
	285,724
E: RTP - SPECIAL CONTRACT	
Service Charge (CBL peak kW > 500 for 3 consecutive months)	
Service Charge (all other)	
Trans Congestion Charge-Primary	
Trans Congestion Charge-Secondary	
Short-term Fixed Power Transaction Fee	
F. PRIMARY DISCOUNT	
Total (LPS)	
	2,194,024,864