PISA Calculation

GMO

| | | | | Average Overall | Rate Effective D | Decemb | er 6, 2018 | Proposed Revenue for | Recovery with G | MO sem | i-annual FAC ra | ate update (23rd Acc | umulation) | |
|------------|---|----|--------------|------------------|------------------|--------|--------------------------|---|-----------------|----------|-----------------|----------------------|------------|------------|
| Line | | | Total | Total | Tariff | Tar | riff | | | | Total | Total | Tariff | Tariff |
| No. E | Base Revenue | 1 | Revenue | Sales kWh | Rate | w/Avg | y VAF | Base Revenue | | | Revenue | Sales kWh | Rate | w/Avg VAF |
| 1 2 | 2018 Rate Case Revenue per Stipulation | \$ | 744,758,135 | | | | <u> </u> | 2018 Rate Case Revenue per Stipulation | | \$ | 744,758,135 | | | |
| 2 2 | 2018 Rate Case Revenue Decrease | | (23,981,212) | | | | | 2018 Rate Case Revenue Decrease | | | (23,981,212) | | | |
| 3 T | Total Revenue Required effective 12/6/2018 | \$ | 720,776,923 | 7,957,355,672 \$ | 0.09058 \$ | \$ (| 0.09058 Avg Base Rate | Total Revenue Required effective 1 | 12/6/2018 | \$ | 720,776,923 | 7,957,355,672 \$ | 0.09058 | \$ 0.09058 |
| 4 | ER-2018-0146 | | | | | | | ER-2018-0 | 0146 | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 <u>F</u> | Rider Revenue | | | | | | | Rider Revenue | | | | | | |
| 7 F | RESRAM effective 12/1/2018 | \$ | 7,207,581 | 8,719,922,175 \$ | 0.00083 \$ | \$ (| 0.00083 Avg Rider Rate | RESRAM effective 1 | 12/1/2018 | \$ | 7,207,581 | 8,719,922,175 \$ | 0.00083 | \$ 0.00083 |
| 8 | ET-2019-0092 | | | | | | | ET-2019-0 | 0092 | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 😯 | GMO FAC | | | | | | | GMO FAC | | | | | | |
| | 21st Accumulation | | | | | | | 22nd Accumulation | | | | | | |
| | Recovered March 2018 - February 2019 | | | | | | | Recovered September 2018 - August 2019 | | | | | | |
| 13 T | Total FPA includes true-up ER-2018-0180 | \$ | 8,315,398 | 8,761,343,321 \$ | 0.00095 \$ | \$ (| 0.00096 Avg Rider Rate | Total FPA includes true-up ER-2018- | | \$ | 11,366,822 | 8,785,320,152 \$ | 0.00129 | \$ 0.00130 |
| 14 | Weighted Avg VAF using Rate Case ER-2018-0146 | | | 0.010670 | | | | Weighted Avg VAF using Rate Case ER | R-2018-0146 | | | 0.010670 | | |
| | 22nd Accumulation | | | | | | | 23rd Accumulation | | | | | | |
| | Recovered September 2018 - August 2019 | | | | | | | Recovered March 2019 - February 2020 | | | | | | |
| 17 T | Total FPA includes true-up ER-2018-0400 | \$ | 11,366,822 | 8,785,320,152 \$ | 0.00129 \$ | \$ (| 0.00130 Avg Rider Rate | Total FPA includes true-up | | \$ | 29,840,688 | 8,862,150,723 \$ | 0.00337 | \$ 0.00341 |
| 18 | Weighted Avg VAF using Rate Case ER-2018-0146 | | | 0.010670 | | | | Weighted Avg VAF using Rate Case ER | R-2018-0146 | | | 0.010670 | | |
| 19 | | | | | _ | | | | | | | | _ | |
| 20 | Total Revenue Allowed to Recover | \$ | 747,666,724 | | _\$ | \$ (| 0.09367 Avg Overall Rate | Proposed Projected Revenue | e to Recover | \$ | 769,192,014 | | _ | \$ 0.09612 |
| 21 | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | vg Overall Rate | | \$ 0.00245 |
| 23 | | | | | | | | | Proj | ected Ra | ate Change | | | 2.62% |
| 24 | | | | | | | | | | | | | | |
| 25 | | | | | | | | Adjustment amount in excess of 3% Avg Overa | all Rate Cap: | | | | | |
| 26 | | | | | | | | Amount Deferred (393.1655.5) | | \$ | - | \$ | - | \$ - |
| 27 | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | _ | |
| 29 | | | | | | | | Proposed Projected Revenue | | | 769,192,014 | | | \$ 0.09612 |

Large Power 2% Cap (Section 393.1655.6)

| | | Class Average Ov | verall Rate Effecti | ve December 6, 2018 | Proposed Revenue for Recovery with G | MO semi-annual FAC r | rate update (23rd Acc | cumulation) | |
|---|-------------------------------|------------------------|---------------------|-----------------------------------|--|-------------------------------|-----------------------|--------------|-----------|
| Line | Large Power | Large Power | LP Tariff | LP Tariff | | Large Power | Large Power | LP Tariff | LP Tariff |
| No. Base Revenue LP | Revenue | Sales kWh | Rate | w/Avg VAF | Base Revenue LP | Revenue | Sales kWh | Rate | w/Avg VAF |
| 33 2018 Rate Case Revenue per Stipulation | \$ 130,744,916 | | | | 2018 Rate Case Revenue per Stipulation | \$ 130,744,916 | | | |
| 34 2018 Rate Case Revenue Decrease 35 Total Revenue Required effective 12/6/2018 | (4,209,986) \$ 126,534,930 | 2.060,228,862 \$ | 0.06142 | \$ 0.06142 Class Avg Base Rate | 2018 Rate Case Revenue Decrease Total Revenue Required effective 12/6/2018 | (4,209,986) \$ 126,534,930 | 2.060.228.862 \$ | 0.06142 \$ | 0.06142 |
| 35 Total Revenue Required effective 12/6/2018 36 ER-2018-0146 | \$ 120,534,930 | 25.89% | 0.06142 | 0.00142 Class Avg Base Rate | ER-2018-0146 | \$ 126,534,930 | 25.89% | 0.06142 \$ | 0.06142 |
| 37 ER-2010-0146 | | 23.09% | | | ER-2018-0140 | | 23.09% | | |
| 38 Rider Revenue | | | | | Rider Revenue | | | | |
| 39 RESRAM LP effective 12/1/2018 | \$ 1.873.798 | 2.257.587.851 \$ | 0.00083 | \$ 0.00083 Class Avg Rider Rate | RESRAM LP effective 12/1/2018 | \$ 1,873,798 | 2.257.587.851 \$ | 0.00083 \$ | 0.00083 |
| 40 ET-2019-0092 | Ψ 1,070,700 | 2,201,001,001 | 0.00000 | o.ooooo olaso Arg Mac Mac | ET-2019-0092 | Ψ 1,070,700 | Σ,Σ07,007,007 | υ.υυυυυ ψ | 0.00000 |
| 41 | | | | | 21 2010 0002 | | | | |
| 42 GMO FAC | | | | | GMO FAC | | | | |
| 43 21st Accumulation LP | | | | | 22nd Accumulation LP | | | | |
| 44 Recovered March 2018 - February 2019 | | | | | Recovered September 2018 - August 2019 | | | | |
| 45 Total FPA includes true-up ER-2018-0180 | \$ 2,154,896 | 2,268,311,786 \$ | 0.00095 | \$ 0.00096 Class Avg Rider Rate | Total FPA includes true-up ER-2018-0400 | \$ 2,934,130 | 2,274,519,387 \$ | 0.00129 \$ | 0.00130 |
| 46 Weighted Avg VAF using Rate Case ER-2018-0146 | | 0.010575 | | | Weighted Avg VAF using Rate Case ER-2018-0146 | | 0.010575 | | |
| 47 22nd Accumulation LP | | | | | 23rd Accumulation LP - with 3% cap deferral when necessary | <i>l</i> | | | |
| 48 Recovered September 2018 - August 2019 | | | | | Recovered March 2019 - February 2020 | | | | |
| 49 Total FPA includes true-up ER-2018-0400 | \$ 2,934,130 | 2,274,519,387 \$ | 0.00129 | \$ 0.00130 Class Avg Rider Rate | Total FPA includes true-up | \$ 7,732,164 | 2,294,410,822 \$ | 0.00337 \$ | 0.00341 |
| 50 Weighted Avg VAF using Rate Case ER-2018-0146 | | 0.010575 | | | Weighted Avg VAF using Rate Case ER-2018-0146 | | 0.010575 | | |
| 51 | | | _ | | | | | _ | |
| 52 Total Revenue Allowed to Recover | \$ 133,497,754 | | <u> </u> | \$ 0.06451 Class Avg Overall Rate | Proposed Projected Revenue to Recover | \$ 139,075,022 | | <u>\$</u> | 0.06696 |
| 53 | | | | | | | | | |
| 54 | | | | | | cr / (Decr) over Class | Avg Overall Rate | \$ | 0.00245 |
| 55 | | | | | Proj | ected Rate Change | | | 3.80% |
| 56 | | | | | | | | | |
| 57 | | | | | Adjustment needed if over 2% Class Avg Overall Rate cap | A (0.000.570) | \$ | (0.00445) @ | (0.00440) |
| 58 | | | | | Adjustment (393.1655.6) | \$ (2,638,572) | \$ | (0.00115) \$ | (0.00116) |
| 59 60 | | | | | | | | | |
| 61 | | | | | Proposed Projected Revenue to Recover | \$ 136,436,450 | | - | 0.06580 |
| 62 | | | | | Froposed Frojected Revenue to Recover | φ 130,430,430 | | | 0.00000 |
| 63 | | | | | Pate In | cr / (Decr) over Class | Ava Overall Rate | e | 0.00129 |
| 64 Note: LP kWh sales are not projected at the rate ID level, but | ut only at the revenu | io class lovel (exam | nlo: Posidontial | Commorcial Industrial | | ected Rate Change | Avy Overall Rate | • | 2.00% |
| 04 Note. Lr Kvili sales are not projected at the rate ib level, bu | at only at the revent | ie ciass ievėl (exalli | ipie. Nesidellilai, | Commercial, muusuidi) | 110) | ecteu ivate Change | | | 2.00% |

64 Note: LP kWh sales are not projected at the rate ID level, but only at the revenue class level (example: Residential, Commercial, Industrial) 65 LP kWh sales are being allocated based on the % LP kWh sales to total kWh sales established in the last GMO rate case, Case No. ER-2018-0146.

After Adjustment:

0.00245 2.62%

Rate Incr / (Decr) over Avg Overall Rate
Projected Rate Change

| Revised tariff amount | | Revenue | Sales kWh | Tariff Rate | | |
|----------------------------|----|------------|---------------|-------------|---------|--|
| Original 23rd Accumulation | \$ | 29,840,688 | 8,862,150,723 | \$ | 0.00337 | |
| Amount Deferred | | - | | | - | |
| Final 23rd Accumulation | S | 29.840.688 | 8.862.150.723 | \$ | 0.00337 | |

After Adjustment:

| Revised tariff amount | Revenue | Sales kWh | 1 | Tariff Rate |
|--|----------------------------|--------------------------|----|--------------------|
| Original LP FPA | \$ 7,732,164 | 2,294,410,822 | \$ | 0.00337 |
| Adjustment | (2,638,572) | | | (0.00115) |
| Final LP FPA Ref. Tariff Sheet No. 127.12 | \$ 5,093,592 Line 11 | 2,294,410,822 Line 12 | \$ | 0.00222 Line 13 |
| | | | | |
| Original Non-LP FPA | \$ 24,747,096 | 6,567,739,901 | \$ | 0.00377 |
| Adjustment | \$ (2,638,572) | | | |
| Final Non-LP FPA | | | | |
| | \$ 22,108,524 | 6,567,739,901 | \$ | 0.00337 |

⁶⁷ Per Section 393.1655.6 - Any amount in excess of the 2% limitation shall be allocated to all other Non-LP rate classes through a uniform percentage adjustment. Reference Section 7 workpapers, Fuel and Purchased Power Adjustment (FPA) line item for the 6-month accumulation period that ties to the Final LP FPA calculated above.

KCP&L Greater Missouri Operation Class Revenue - For Settlement - ER-2018-0146

-3.22%

| GMO RATE CLASSIFICATION | Staff's Settled Sales (kWh) | Staff's Settled Revenues | Settled Decrease | Overall Decrease | Staff's Settled Sales (kWh) | % of Sales | | taff's Settled Revenues | \$/kWh | % of Revenue |
|---|---|--|---|--|--|---|---|----------------------------|---|--|
| LARGE POWER TOTAL | 2,060,228,862 | \$ 130,744,916 | \$ (4,209,986.30) | -3.22% | 2,060,228,862 | 25.89% | \$ | 126,534,930 | \$ 0.06142 | 17.56% |
| LARGE GEN SVC TOTAL | 1,259,931,380 | \$ 99,182,696 | \$ (3,193,682.81) | -3.22% | 1,259,931,380 | 15.83% | \$ | 95,989,013 | \$ 0.07619 | 13.32% |
| SMALL GEN SVC TOTAL | 1,166,411,321 | \$ 118,921,918 | \$ (3,829,285.76) | -3.22% | 1,166,411,321 | 14.66% | \$ | 115,092,632 | \$ 0.09867 | 15.97% |
| RESIDENTIAL TOTAL | 3,460,775,283 | \$ 381,760,270 | \$ (12,292,680.69) | -3.22% | 3,460,775,283 | 43.49% | \$ | 369,467,589 | \$ 0.10676 | 51.26% |
| GENERAL TOD | 381,187 | \$ 35,159 | \$ (1,132.12) | -3.22% | 381,187 | 0.00% | \$ | 34,027 | \$ 0.08927 | 0.00% |
| THERMAL | 8,281,604 | \$ 528,228 | \$ (17,008.94) | -3.22% | 8,281,604 | 0.10% | \$ | 511,219 | \$ 0.06173 | 0.07% |
| METERED LIGHTING GMO Metered TOTALS | 1,346,035 7,957,355,672 | | | -3.22% | 1,346,035 | 0.02% | \$ \$ | 117,018 707,746,428 | | 0.02% 98.19% |
| UNMETERED LIGHTING GMO TOTAL | 7,957,355,672 | \$ 13,464,037 \$ 744,758,135 | | -3.22% -3.22% | 7,957,355,672 | 100.00% | \$ | 13,030,495 720,776,923 | \$ 0.09058 | 1.81% 100.00% |
| | | | | | | | | | | |
| from COS GMO Rate Design Settlemen Secondary Primary Primary (Transmission) Primary (Substation) | Large Power 1,106,813,971 565,903,500 106,216,852 281,294,540 2,060,228,863 (1) | Large Gen Svc 1,152,420,722 107,510,658 - - - 1,259,931,380 0 | Small Gen Svc 1,162,627,187 3,784,133 - - 1,166,411,320 1 | Residential 3,460,775,283 3,460,775,283 (0) | General TOD Thermal 381,187 8,281,604 381,187 8,281,604 (0) - | Metered Light 1,346,035 1,346,035 | TOTAL 6,892,645,989 677,198,291 106,216,852 281,294,540 7,957,355,672 0 | | VAF ER-2016-0156 1.0709 1.0419 1.0419 1.0419 | 110,667,338 |
| Secondary Primary Primary (Transmission) | Large Power 1,106,813,971 565,903,500 106,216,852 281,294,540 2,060,228,863 (1) | 1,152,420,722 107,510,658 - - - 1,259,931,380 | 1,162,627,187 3,784,133 - - | 3,460,775,283 3,460,775,283 | 381,187 8,281,604 381,187 8,281,604 | 1,346,035 1,346,035 | 6,892,645,989 677,198,291 106,216,852 281,294,540 7,957,355,672 | | ER-2016-0156 1.0709 1.0419 1.0419 1.0419 | 705,572,899 110,667,338 293,080,781 8,490,655,608 1.0670 Average loss or VAF |