


|  |  | (2) | Rate Formula Template Utilizing FERC Form I Dat TST PENN POWER (3) |  |  | (5) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\xrightarrow{\text { cime }}$ | O\&M and A\&G | Sarre | Compman Toat |  |  |  |
|  |  |  | $28,461,059$ $4,327,711$ | ${ }_{\substack{\text { Da } \\ \text { da }}}$ | , | cis |
|  |  |  | 4ssa, 4.4 |  |  | $4.580,07$ |
|  | Less.ab. Trammimon Aec | Colem | 20, 21 |  |  | ${ }^{200721}$ |
|  |  | cole |  |  |  |  |
|  |  |  |  |  |  |  |
|  | DEPRECIATION AND AMORTIZATION EXPENSE |  | ${ }^{13,350,688}$ |  |  |  |
| 11 | Comer |  |  | ${ }_{\substack{\text { wis } \\ \text { des }}}^{\text {cise }}$ | cose |  |
| ${ }_{4}$ |  |  | 32,83, 6, 60 |  |  | 12.815 .360 |
|  | TAXES OTHER THAN INCOME TAXES (Note I) LABOR RELATED Payroll | Ancamena 7 Lies 12 |  |  |  |  |
| ${ }_{17}^{16}$ |  |  | 23:9,92 | ws | ${ }_{\text {cosem }}^{\text {a,omes }}$ | ${ }^{2} 215$ |
| 18 |  | Antamer | (2as |  | 0.1630 | 33,957 |
| 20 |  | Antamemer 7 Imes | 2312, ${ }^{\text {a }}$ | ${ }_{\text {cip }}^{\text {af }}$ | ${ }_{\text {a }}^{0} 0.1630$ | Sx, 8.8 |
|  |  |  | , 36 |  |  | [5723 |
|  | mсоме taxs | Nate) |  |  |  |  |
|  | where WCLTD $=($ page 4, Line 31$)$ and $\mathrm{R}=($ page 4, Line 34) and FIT, SIT \& p are and FIT, SIT \& p are as given in footnote K |  | ${ }^{2}$ |  |  |  |
| ${ }_{26}^{25}$ |  |  |  |  |  |  |
| ${ }_{28}^{27}$ | Tex |  |  |  |  |  |
| ${ }_{30}^{29}$ | , income |  | So.asas |  |  |  |
| $\begin{gathered} 31 \\ 32 \end{gathered}$ |  | Lite 27) | ${ }^{\text {20, }}$ | ${ }_{\text {din }}^{\text {din }}$ | comos | (e) |
|  |  |  | \% |  |  | , |
| ${ }^{34}$ | return |  |  | N |  | $2.656,387$ |
|  | grossrev. requrenest without ricertve) |  | 370,94,786 |  |  | ${ }_{7,356387}$ |
|  |  |  | s |  |  |  |
|  | grossrev.regurement |  | ${ }^{300.84,7.86}$ |  |  | $\frac{18,36,8.87}{}$ |




## Schedule 1A Rate Calculation

```
1 $ 1,058,743 Attachment H-11A, Page 4, Line 7
2 $ - Revenue Credits for Sched 1A - Note A
3 $ 1,058,743 Net Schedule 1A Expenses (Line 1 - Line 2)
4 47,516,917 Annual MWh in AP Zone - Note B
5 $
0.0223 Schedule 1A rate $/MWh (Line 3/ Line 4)
```

Note:

A Revenues received pursuant to PJM Schedule 1A revenue allocation procedures for transmission service outside of the AP Zone during the year used to calculate rates under Attachment $\mathrm{H}-11 \mathrm{~A}$

Load expressed in MWh consistent with load used for billing under Schedule 1A for B the AP Zone. Data from RTO settlement systems for the calendar year prior to the rate year.

Common Stock

| Proprietary Capital | Attachment 8, Line 14, Col. 1 | $1,131,464,434$ |
| :--- | :--- | ---: |
| Less Preferred Stock | Attachment 8, Line 14, Col. 3 |  |
| Less Accumulated Other Comprehensive Income Account 219 | Attachment 8, Line 14, Col. 6 |  |
| Less Account 216.1, Renaissance Adj, AGC adj \& Goodwill | Attachment 8, Line 14, Col. 2, 4, $5 \& 7$ | 802,931 |
| Common Stock | Attachment 8, Line 14, Col. 8 |  |


| Capitalization |  |  |
| :--- | :--- | :--- |
| Long Term Debt <br> Preferred Stock <br> Common Stock |  | Attachment H-11A, page 4, Line 31, Col. 3 |

## Income Taxes

Income Tax Rates
$\begin{array}{ll}\mathrm{T}=1-\left\{\left[(1-\mathrm{SIT})^{*}(1-\mathrm{FIT})\right] /\left(1-\mathrm{SIT}^{*} \mathrm{FIT}^{*} \mathrm{p}\right)\right\}= & \text { Attachment H-11A, page 3, Line 23, Col. } 3 \\ \text { CIT }=(\mathrm{T} /(1-\mathrm{T})){ }^{*}(1-(\mathrm{WCITD}))= & 28.10 \%\end{array}$
23
24
Calculated 27.00\%

## $1 /(1-\mathrm{T})$

Amortized Investment Tax Credit (266.8.f) (enter negative)
Attachment H-11A, page 3, Line 25, Col. 3 Attachment H-11A, page 3, Line 26, Col. 3 Attachment H-11A, page 3, Line 27, Col. 3 Attachment H-11A, page 3, Line 28, Col. 3 (line 22 * line 24)
Attachment H-11A, page 3, Line-30, Col. 5 Attachment $\mathrm{H}-11 \mathrm{~A}$, page 3 , Line 31 , Col 5 Attachment H -11A, page 3, Line 31, Col. 5 Attachment $\mathrm{H}-11 \mathrm{~A}$, page 3, Line 32, Col. 5 Sum lines 29 to 32

| 1.3909 |
| ---: |
| $(42,560.00)$ |
| $15,153.78$ |
| $(583,279.26)$ |
| $7,168,344.49$ |
| $(9,903.62)$ |
| $21,076.80$ |
| $(811,260.49)$ |
| $6,368,257.19$ |


| Return and Taxes |  |  |
| :--- | :--- | :--- |
| 34 | Return and Income taxes with ROE | (Line 22 + Line 33) |
| 35 | Return with ROE | Attachment H-11A, Page 3, Line 34, Col. 5 |
| 36 | Income Tax with ROE | Attachment H-11A, Page 3, Line 33, Col. 5 |


| 1 | Rate Base |  | Attachment H-11A, page 2, Line 35, Col. 5 | 357,463,796 |
| :---: | :---: | :---: | :---: | :---: |
| 2 | Preferred Dividends | enter positive | Attachment H-11A, page 4, Line 30, Col. 6 | 0 |
|  | Common Stock |  |  |  |
| 3 | Proprietary Capital |  | Attachment 8, Line 14, Col. 1 | 1,131,464,434 |
| 4 | Less Preferred Stock |  | Attachment 8, Line 14, Col. 3 | 0 |
| 5 | Less Accumulated Other Comprehensive Income Account 219 |  | Attachment 8, Line 14, Col. 6 | 802,931 |
| 6 | Less Account 216.1, Renaissance Adj, AGC adj \& Goodwill |  | Attachment 8, Line 14, Col. 2, 4, 5 \& 7 | 1,095,129 |
| 7 | Common Stock |  | Attachment 8, Line 14, Col. 8 | 1,129,566,374 |
|  | Capitalization |  |  |  |
| 8 | Long Term Debt |  | Attachment H-11A, page 4, Line 31, Col. 3 | 1,171,153,846 |
| 9 | Preferred Stock |  | Attachment H -11A, page 4, Line 32, Col. 3 | 0 |
| 10 | Common Stock |  | Attachment H-11A, page 4, Line 33, Col. 3 | 1,129,566,374 |
| 11 | Total Capitalization |  | Attachment H -11A, page 4, Line 34, Col. 3 | 2,300,720,220 |
| 12 | Debt \% | Total Long-Term Debt | Attachment H-11A, page 4, Line 31, Col. 4 | 50.9038\% |
| 13 | Preferred \% | Preferred Stock | Attachment H-11A, page 4, Line 32, Col. 4 | 0.0000\% |
| 14 | Common \% | Common Stock | Attachment H -11A, page 4, Line 33, Col. 4 | 49.0962\% |
| 15 | Debt Cost | Total Long-Term Debt | Attachment H-11A, page 4, Line 31, Col. 5 | 0.0451 |
| 16 | Preferred Cost | Preferred Stock | Attachment H-11A, page 4, Line 32, Col. 5 | 0.0000 |
| 17 | Common Cost | Common Stock | Attachment H-11A, page 4, Line 33, Col. 5 plus 100 bps (Note A) | 0.1145 |
| 18 | Weighted Cost of Debt | Total Long-Term Debt (WCLTD) | (Line 12 * Line 15) | 0.0230 |
| 19 | Weighted Cost of Preferred | Preferred Stock | (Line 13 * Line 16) | 0.0000 |
| 20 | Weighted Cost of Common | Common Stock | (Line 14* Line 17) | 0.0562 |
| 21 | Rate of Return on Rate Base (ROR) |  | (Sum Lines 18 to 20) | 0.0792 |
| 22 | Investment Return = Rate Base * Rate of Return |  | (Line 1* Line 21) | 28,301,398 |
| Income Taxes |  |  |  |  |
| Income Tax Rates |  |  |  |  |
| 23 | T=1-\{[(1-SIT) * (1-FIT)]/( $1-$ SIT * FIT * p ) $=$ |  | Attachment H-11A, page 3, Line 23, Col. 3 | 28.10\% |
| 24 | $\mathrm{CIT}=(\mathrm{T} /(1-\mathrm{T}))^{*}(1-(\mathrm{WCLTD} / \mathrm{R}))=$ |  | Calculated | 27.75\% |
| 25 | 1/(1-T) |  | Attachment H-11A, page 3, Line 25, Col. 3 | 1.3909 |
| 26 | Amortized Investment Tax Credit (266.8.f) (enter negative) |  | Attachment H-11A, page 3, Line 26, Col. 3 | $(42,560.00)$ |
| 27 | Tax Effect of Permanent Differences and AFUDC Equity |  | Attachment H -11A, page 3, Line 27, Col. 3 | 15,153.78 |
| 28 | (Excess)/Deficient Deferred Income Taxes |  | Attachment H-11A, page 3, Line 28, Col. 3 | $(583,279.26)$ |
| 29 | Income Tax Calculation |  | (line 22 * line 24) | 7,854,310.48 |
| 30 | ITC adjustment |  | Attachment H-11A, page 3, Line 30, Coll 5 | $(9,903.62)$ |
| 31 | Permanent Differences and AFUDC Equity Tax Adjustment |  | Attachment H-11A, page 3, Line 31, Col. 5 | 21,076.80 |
| 32 | (Excess)/Deficient Deferred Income Tax Adjustment |  | Attachment H -11A, page 3, Line 32, Col. 5 | (811,260.49) |
| 33 | Total Income Taxes |  | Sum lines 29 to 32 | 7,054,223.17 |
| Incremental Return and Taxes |  |  |  |  |
| 34 | Return and Income taxes with scaled basis pts adder |  | (Line $22+$ Line 33) | 35,355,621.35 |
| 35 | Return with incentive adder |  | Line 22 | 28,301,398.18 |
| 36 | Income Tax with incentive adder |  | Line 33 | 7,054,223.17 |
| 37 | Incremental Return and incomes taxes for increase in ROE |  | Line 34 minus Attachment 2 Line 34 | 2,440,977.65 |
| 38 | Rate Base |  | Line 1 | 357,463,795.85 |
| 39 | Incremental Return and incomes taxes for increase in ROE divided | d by rate base | Line 37 / Line 38 | 0.00683 |



B] Project Gross Plant is the total capital investment for the project, including subsequent capital investments required to maintain the project in-service. Utilizes a 13 -month average.

notes
[C] Company records
[D] Enter Commission approved project specific ROE incentive basis points adder, which is a scaled factor against a 100 to derive the approved percentage adder
[E] Col. A* Attachment $\mathrm{H}-11 \mathrm{~A}$, Page 4 , Line 24, Col. 6

[G] Taken to Attachment H-11A, Page 3, Line 36, Col. 3
[H] Utilizes a 13 -month average,

|  |  |  |  | [2] | [3] | [4] | [5] | [6] | [7] | [8] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Production | Sub-Transmission [D] | Transmission [E] | Distribution [F] | Intangible | General | Common | Total |
| 1 | December | 2022 | - | 188,804,538 | 594,991,865 | 2,843,109,277 | 131,444,847 | 224,154,767 | - | 3,793,700,757 |
| 2 | January | 2023 | - | 189,873,708 | 596,051,802 | 2,850,360,807 | 131,561,730 | 225,865,491 | - | 3,803,839,830 |
| 3 | February | 2023 |  | 189,911,525 | 597,210,484 | 2,858,641,196 | 133,160,455 | 227,742,789 | - | 3,816,754,924 |
| 4 | March | 2023 | - | 190,404,254 | 598,241,032 | 2,867,202,709 | 137,933,299 | 230,626,516 | - | 3,834,003,557 |
| 5 | April | 2023 |  | 190,565,319 | 599,627,317 | 2,871,982,529 | 138,206,438 | 231,147,002 | - | 3,840,963,286 |
| 6 | May | 2023 | - | 191,005,610 | 610,829,901 | 2,889,855,185 | 138,705,050 | 231,559,549 | - | 3,870,949,684 |
| 7 | June | 2023 | - | 192,449,033 | 616,014,232 | 2,896,838,175 | 139,657,430 | 236,384,600 | - | 3,888,894,436 |
| 8 | July | 2023 | - | 191,127,890 | 617,520,866 | 2,903,627,549 | 139,751,041 | 229,118,880 | - | 3,890,018,336 |
| 9 | August | 2023 | - | 192,959,680 | 615,922,563 | 2,911,179,380 | 139,874,760 | 230,586,698 | - | 3,897,563,400 |
| 10 | September | 2023 | - | 193,930,528 | 616,248,051 | 2,934,662,793 | 141,611,385 | 237,459,248 | - | 3,929,981,477 |
| 11 | October | 2023 | - | 195,229,917 | 624,553,606 | 2,947,654,486 | 141,665,543 | 238,692,014 | - | 3,952,565,649 |
| 12 | November | 2023 |  | 197,734,319 | 633,691,189 | 2,958,404,883 | 141,655,907 | 240,596,693 | - | 3,974,348,672 |
| 13 | December | 2023 | - | 198,986,784 | 660,432,213 | 2,963,260,792 | 134,718,043 | 246,739,259 | - | 4,005,150,306 |
| 14 | 13-month Average | [A] [C] | - | 192,537,162 | 613,948,856 | 2,899,752,289 | 137,688,148 | 233,128,731 | - | 3,884,518,024 |
|  |  |  | Production | Transmission | Distribution | Intangible | General | Common |  | Total |
|  |  | [B] | 205.46.g | 207.58.g | 207.75.g | 205.5.g | 207.99.g | 356.1 |  |  |
| 15 | December | 2022 |  | 783,798,125 | 2,654,320,351 | 131,444,847 | 224,887,281 |  |  | 3,794,450,605 |
| 16 | January | 2023 |  | 785,927,231 | 2,660,502,712 | 131,561,730 | 226,598,005 |  |  | 3,804,589,678 |
| 17 | February | 2023 |  | 787,123,730 | 2,668,745,284 | 133,160,455 | 228,475,304 |  |  | 3,817,504,772 |
| 18 | March | 2023 |  | 788,647,007 | 2,676,814,068 | 137,933,299 | 231,359,031 |  |  | 3,834,753,405 |
| 19 | April | 2023 |  | 790,194,358 | 2,681,432,822 | 138,206,438 | 231,879,517 |  |  | 3,841,713,134 |
| 20 | May | 2023 |  | 801,837,231 | 2,698,865,188 | 138,705,050 | 232,292,063 |  |  | 3,871,699,532 |
| 21 | June | 2023 |  | 808,464,986 | 2,704,404,755 | 139,657,430 | 237,117,114 |  |  | 3,889,644,284 |
| 22 | July | 2023 |  | 808,650,477 | 2,712,515,272 | 139,751,041 | 229,851,394 |  |  | 3,890,768,184 |
| 23 | August | 2023 |  | 808,883,964 | 2,718,235,313 | 139,874,760 | 231,319,212 |  |  | 3,898,313,248 |
| 24 | September | 2023 |  | 810,180,301 | 2,740,747,877 | 141,611,385 | 238,191,763 |  |  | 3,930,731,325 |
| 25 | October | 2023 |  | 819,785,245 | 2,752,440,181 | 141,665,543 | 239,424,529 |  |  | 3,953,315,497 |
| 26 | November | 2023 |  | 831,427,229 | 2,760,686,177 | 141,655,907 | 241,329,207 |  |  | 3,975,098,520 |
| 27 | December | 2023 |  | 859,420,718 | 2,764,289,621 | 134,718,043 | 247,471,773 |  |  | 4,005,900,154 |
|  |  |  |  |  |  |  |  |  |  |  |
| 28 | 13-month Average |  | $\cdot$ | 806,487,738 | 2,707,230,740 | 137,688,148 | 233,861,246 | - |  | 3,885,267,872 |



Notes:
A] Taken to Attachment H-11A, page 2, Lines 1-5, Col. 3
[B] Reference for December balances as would be reported in FERC Form 1
[C] Balance excludes Asset Retirements Costs
[D] Sub-transmission balance from company records
[E] Transmission amount excludes sub-transmission
[F] Distribution amount includes sub-transmission
$\left.\begin{array}{llll} & & \begin{array}{c}\text { [1] }\end{array} \\ & & \\ \text { Production }\end{array}\right]$

|  |  |  | Production | Transmission | Distribution | Intangible | General | Common | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | [B] | 219.20-24.c | 219.25.c | 219.26.c | 200.21.c | 219.28.c | 356.1 |  |
| 15 | December | 2022 |  | 299,959,682 | 785,925,157 | 100,180,299 | 103,584,834 |  | 1,289,649,972 |
| 16 | January | 2023 |  | 301,003,057 | 789,732,690 | 101,037,308 | 104,334,910 |  | 1,296,107,966 |
| 17 | February | 2023 |  | 301,874,998 | 792,519,155 | 101,882,421 | 105,094,212 |  | 1,301,370,786 |
| 18 | March | 2023 |  | 302,654,138 | 794,690,089 | 102,763,389 | 105,806,496 |  | 1,305,914,112 |
| 19 | April | 2023 |  | 303,636,281 | 798,065,712 | 103,674,789 | 106,493,474 |  | 1,311,870,257 |
| 20 | May | 2023 |  | 304,485,771 | 800,709,366 | 104,587,742 | 107,261,104 |  | 1,317,043,982 |
| 21 | June | 2023 |  | 304,538,690 | 804,850,081 | 105,560,261 | 108,037,505 |  | 1,322,986,538 |
| 22 | July | 2023 |  | 304,861,816 | 808,538,307 | 106,431,253 | 101,176,854 |  | 1,321,008,230 |
| 23 | August | 2023 |  | 305,780,527 | 810,776,638 | 107,517,059 | 101,935,232 |  | 1,326,009,456 |
| 24 | September | 2023 |  | 305,733,941 | 813,365,306 | 108,468,042 | 102,662,803 |  | 1,330,230,092 |
| 25 | October | 2023 |  | 306,580,542 | 816,686,049 | 109,446,828 | 103,451,114 |  | 1,336,164,534 |
| 26 | November | 2023 |  | 307,196,335 | 821,159,166 | 110,419,631 | 104,258,262 |  | 1,343,033, 393 |
| 27 | December | 2023 |  | 314,298,290 | 819,708,897 | 101,138,573 | 105,023,941 |  | 1,340,169,700 |
|  |  |  |  |  |  |  |  |  |  |
| 28 | 13-month Average |  |  | 304,815,698 | 804,363,586 | 104,854,430 | 104,547,749 |  | 1,318,581,463 |



Notes:
[A] Taken to Attachment $\mathrm{H}-11 \mathrm{~A}$, page 2, Lines 7-11, Col. 3
[B] Reference for December balances as would be reported in FERC Form 1.
[C] Balance excludes reserve for depreciation of asset retirement costs
[D] Sub-transmission balance from company records
[E] Transmission amount excludes sub-transmission
[F] Distribution amount includes sub-transmission



| A | в | c | D | E | F | G | Atachment H-11A, Atachment 5 a |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | - page 2 of 6 |
| ADIT-190 | End of Year Balance p234.18.c | Retail Related | $\begin{aligned} & \text { Gas, Prod } \\ & \text { Oor } \\ & \text { Reline } \end{aligned}$ | $\begin{aligned} & \text { Only } \\ & \text { Transmission } \\ & \text { Related } \end{aligned}$ | $\underset{\substack{\text { Plant } \\ \text { Realted }}}{ }$ | $\underset{\text { Related }}{\substack{\text { Labor }}}$ | Justification |
| Accrued Taxes <br> Accum. Prov. For Injuries and Damages | $\underset{\substack{11.044 \\ 98,124}}{ }$ |  |  | $\underset{\substack{11.044 \\ 98.124}}{ }$ |  |  |  |
| Accum. Prov. For Injuries Employee Compensation | (143,293 |  |  |  |  |  |  |
|  | ${ }_{1}^{41,671}$ |  |  | ${ }_{\substack{41,671 \\ 13207}}^{4}$ |  |  |  |
|  | 1,837,080 |  |  | 1,837,080 |  |  |  |
| Pensionoper | ${ }^{73550,080}$ |  |  | ${ }^{\text {735,080 }}$ |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Amit Ceridicarntomard | ${ }^{4090,515}$ |  |  | ${ }^{490,515}$ |  |  |  |
|  |  |  |  | ${ }_{\text {16,400,014 }}^{\text {2,997,997 }}$ |  |  |  |
|  |  |  |  | $(1,316,891)$ $(5,075,488)$ |  |  |  |
| Subboal | 17,052,460 |  |  | 7,052,4 |  |  |  |

Instuctions for Account 190:






| A007233 | B | c | - | E | F | $\bigcirc$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { End of Year } \\ \text { Balance } \\ \text { p277.19.k } \end{gathered}$ | $\substack{\text { Reala } \\ \text { Reataed }}$ |  | $\begin{aligned} & \text { Only } \\ & \text { Transmission } \\ & \text { Related } \end{aligned}$ |  | $\underbrace{\text { a }}_{\substack{\text { Labor } \\ \text { Realed ded }}}$ | Justrication |
|  |  |  |  |  |  |  |  |
| Stutual | $4.688,238$ |  |  | 4.6818238 |  |  |  |

Instuctions for Account 283:






Instuctions tor Accoount 28 :




| Aotr.255 |  | $\underbrace{\text { den }}_{\substack{\text { Reatal } \\ \text { Realaded }}}$ |  | $\begin{gathered} \text { Only } \\ \text { Transmission } \\ \text { Related } \end{gathered}$ | $\underset{\substack{\text { Pant } \\ \text { Reataded }}}{\text { den }}$ | $\xrightarrow{\text { Labar }}$ Reated | Justrication |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

Instuctions for Account 255 :




Attachment H-11A, Attachment 5b
For the 12 months ended $12 / 31 / 202$





## Calculation of PBOP Expenses

## Total FirstEnergy PBOP expenses

Labor dollars (FirstEnergy)
cost per labor dollar (line 3 / line 4)
labor (labor not capitalized) current year, transmission only PBOP Expense for current year (line 5 * line 6)

PBOP expense in Account 926 for current year, total company
W\&S Labor Allocator
Allocated Transmission PBOP (line 8 * line 9)
11 PBOP Adjustment for Attachment H-11A, page 3, line 6 (line 7 - line 10)

Amount Source
-\$15,646,300 FirstEnergy 2019 Actuarial Study
\$2,161,999,525 FirstEnergy 2019 Actual: Company Records
-\$0.0072
4,818,598 WEST PENN POWER Labor: Company Records -\$34,872
$(1,186,795)$ WEST PENN POWER Account 926 : Company Records 9.695\%
$(115,056)$
80,184

For the 12 months ended $12 / 31 / 2023$

## Taxes Other than Income Calculation



Notes:
[A] Reference for December balances as would be reported in FERC Form 1.
[B] Includes items that are not functionalized to transmission


Formula Rate Protocols
Section VIII.A

1. Rate of Return on Common Equity ("ROE")

SFC's ROE is set to:
10.45\%

## 2. Postretirement Benefits Other Than Pension ("PBOP")

sometimes referred to as Other Post-Employment Benefits, or "OPEB"

| Total FirstEnergy PBOP expenses | $-\$ 15,646,300$ |
| :--- | ---: |
| Labor dollars (FirstEnergy) | $\$ 2,161,999,525$ |

Labor dollars (FirstEnergy)

## 3. Depreciation Rates (1)

| FERC Account |  | WPP-Depr \% |
| :---: | :---: | :---: |
|  |  | (WV) |
| 350.2 | Land and Land Rights - Easements | 1.54\% |
| 352 | Structure and Improvements | 1.60\% |
| 353.1 | Station Equipment - Other | 1.53\% |
| 353.4 | Station Eqiupment - SCADA | 0.09\% |
| 354 | Towers and Fixtures | 1.31\% |
| 355 | Poles and Fixtures | 2.45\% |
| 356.1 | Overhead Conductors \& Devices - Other | 1.58\% |
| 356.2 | Overhead Conductors \& Devices - Clearing | 1.17\% |
| 358 | Underground Conductors and devices | 2.96\% |
| 389.2 | Land Rights | 1.26\% |
| 390.1 | Structures and Improvements - Owned |  |
|  | Arnold Service Center | 2.56\% |
|  | Boyce Service Center | 3.28\% |
|  | Butler Service Center | 3.51\% |
|  | Charleroi Service Center | 2.39\% |
|  | Clarion Service Center and Pole Yard | 2.10\% |
|  | Connellsville Conference Center | 1.63\% |
|  | Connellsville Hazardous material | 2.83\% |
|  | Connellsville meter lab and storehouse | 0.19\% |
|  | Connellsville covered storage and office | 3.03\% |
|  | Connellsville quonset storehouse | 0.00\% |
|  | Connellsville general and transformer shop | 3.85\% |
|  | Connellsville oil storage/water separator | 0.00\% |
|  | Connellsville garage | 2.77\% |
|  | Connellsville west side complex | 0.23\% |
|  | Dunbar Storage Facility | 4.11\% |
|  | Greenburg Corp Center A Wing | 2.00\% |
|  | Greenburg Corp Center B Wing | 2.83\% |
|  | Greenburg Corp Center C Wing | 3.00\% |
|  | Greenburg Corp Center Main building | 2.42\% |
|  | Greenburg Corp Center Parking garage | 0.00\% |
|  | Jeanette Service Center | 1.59\% |
|  | Jeanette Service Center garage | 2.46\% |
|  | Jefferson Service Center | 2.24\% |
|  | Kittanning Service Center | 3.82\% |
|  | Kittanning Service Center garage | 2.13\% |
|  | Latrobe Service Center | 2.21\% |
|  | McConnellsburg Service Center | 3.59\% |
|  | Pleasant Valley Service Center | 2.54\% |
|  | St. Marys Service Center | 2.89\% |
|  | St. Marys Service Center garage | 3.07\% |
|  | State College Service Center garage | 2.47\% |
|  | Washington Service Center | 2.60\% |
|  | Waynesboro Service Center | 3.76\% |
|  | Waynesboro Service Center garage | 2.79\% |
|  | Minor Structures | 3.31\% |
| 391.1 | Office Furniture \& Equipment - Furniture \& Fixtures | 5.95\% |
| 391.2 | Office Furniture \& Equipment - Information Systems | 15.56\% |
| 391.3 | Office Furniture \& Equipment - Data Handling | 4.81\% |
| 391.5 | Smart Meters Hardware | 11.03\% |
| 392.1 | Transportation Equipment - Autos | 13.37\% |
| 392.2 | Transportation Equipment - Light Trucks | 7.84\% |
| 392.3 | Transportation Equipment - Medium and Heavy Trucks | 1.49\% |
| 392.4 | Transportation Equipment - Trailers | 2.08\% |
| 392.5 | Earth Moving Equipment | 0.00\% |
| 392.6 | Transportation Equipment - ATV | 7.08\% |
| 393 | Storage equipment | 4.64\% |
| 394 | Tools, shop and garage equipment | 6.82\% |
| 395 | Laboratory equipment | 1.83\% |
| 396 | Power operated equipment | 2.26\% |
| 397 | Communication equipment | 8.35\% |
| 398 | Miscellaneous equipment | 7.56\% |



| Gross Transmission Plant - TotalNet Transmission Plant - TotalO\&M EXPENSETotal O\&M Alocated to Transmission |  |
| :---: | :---: |
|  |  |
| GENERAL, INTANGIBLE, AND COMM Total G, I, \& C depreciation expenseAmnual aliocation factor for G, I, \& C de |  |
|  | TAXES OTHER THAN INCOME TAXES Total Other Taxes Total Other Taxes Annual Allocation Factor for Other Taxes |
|  |  |
|  |  |
|  |  |
|  |  |


| (2) | (3) | (4) |
| :---: | :---: | :---: |
|  |  |  |
|  |  | ${ }^{479777 \%}$ |
|  | $5{ }^{\text {chemen }}$ | ${ }^{2.35093 \%}$ |
| Attach. H-11A, p. 3, line 22, col. 5 (line 7 divided by line 1, col. 3) Sum of line 4, 6, \& \& 8 |  | 0.107049\% $\mathbf{5 . 1 7 6 8 0 5 \%}$ |
|  | $5{ }^{\text {ciseme }}$ | 1.551894 |
| Attach. H-11A.p.3, line 34, col. 5 (line 12 divided by line 2, col. 3) Sum of line 11 and 13 |  | 6.467854\% |






$\underset{\text { Net Plant Detail }}{\text { TEC Workst }}$

| Line No. | Project Name | $\begin{aligned} & \text { RTEP Project } \\ & \text { Number } \end{aligned}$ |  | $\begin{aligned} & \text { roject Gross } \\ & \text { Plant } \end{aligned}$ |  | Dec-22 |  | Jan-23 |  | Feb-23 |  | Mar-23 |  | Apr-23 |  | May-23 |  | Jun-23 |  | Jul-23 |  | Aug-23 |  | Sep-23 |  | Oct-23 |  | Nor-23 |  | Dec-23 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | (Note A) |  | (Note D) |  | (Note D) |  | (Note D) |  | (Note D) |  | (Note D) |  | (Note D) |  | (Note D) |  | (Note D) |  | (Note D) |  | (Note D) |  | (Note D) |  | (Note D) |  | (Note D) |
| ${ }^{\text {la }}$ | Install a steel pole at the crossing of the Elrama to Woodville 138 kV line and the Peters to Bethel Park 138 kV line | b1022.11 | s | 432,714 | s | 432,714 | s | 432,714 | s | 432,714 | s | 432,714 | s | 432,714 | s | 432,714 | s | 432,714 | s | 432,714 | s | 432,714 | s | 432,714 | s | 432,714 | s | 432,714 | s | 432,7 |
| ${ }^{16}$ | Add staic capaciors at South Fayete 138 kV | b1022.5 | s | 553,609 | s | 553,609 | s | 553,609 | s | 553,609 | s | 553,609 | s | 553,609 | s | 553,609 | s | 553,609 | s | 553,609 | s | 553,609 | s | 553,609 | s | 553,609 | s | 553,609 | s | 553,609 |
| 1c | 500 kV bus <br> Upgrade terminal equipment at Yukon to increase rating <br> n Yukon to Charleroi \#2 138 kV line (New Yukon to | ${ }^{\text {b3006 }}$ | s | 101,699,046 | s | 101,67,830 | 10 | 102,454,777 | s | 102,469,844 | S | 102,47,287 | \$ | 102,475,100 | \$ | 102,475,100 | s | 101,121,892 | s | 101,142,581 | s | 101,162,612 | s | 101,152,551 | s | 101,161,220 | s | 101,159,896 | s | 101,159,909 |
| ${ }^{1 d}$ | Route 51 \#4 1138 kV line) | b3011.2 | s | 783,382 | s | 784,151 | s | 784,151 | s | 784,151 | s | 784,151 | s | ${ }^{784,151}$ | s | ${ }^{784,151}$ | s | ${ }^{782,722}$ | s | 782,722 | s | 782,722 | s | 782,722 | s | 782,722 | s | 782,722 | s | ${ }^{782,722}$ |
| 1 e | Upgrade terminal equipment at Yukon to increase rating Reconductor the Charleroi-Allenport 138KV Line with | b3011.5 | s | 953,315 | s | 954,257 | s | 955,598 | s | 954,219 | s | 955,598 | s | 954,219 | s | 954,219 | s | 952,142 | s | 952,142 | s | 952,142 |  | 952,142 |  | 952,142 | s | 952,142 | s | 952,142 |
| $1{ }^{1}$ | 954 ACSR Conductor, Replace Breaker Risers at Charleroi and Allenport Reconductor the Yukon - Smithton - Shepler Hill Jct 138 kV Line. Upgrade terminal equipment at Yukon and | ${ }^{\text {b2965 }}$ | $s$ | 9,914,825 | $s$ | 9,921,404 | s | 9,921,404 | s | 9,921,404 | $s$ | 9,921,404 | s | 9,921,404 | s | 9,921,404 | $s$ | 9,921,404 | $s$ | 9,921,404 | s | 9,921,404 | s | 9,900,024 | $s$ | 9,900,024 | s | 9,900,024 | s | 9,900,024 |
| ${ }^{1 g}$ | replace line relaying at Mitchell and Chareroi | ${ }^{\text {b3214 }}$ | s | 12,409,370 | s | 11,106,747 | s | 11,581,029 | s | 12,088,858 | s | 12,325,071 | s | 12,436,234 | $s$ | 12,436,234 | s | 12,590,919 | s | 12,738,669 | s | 12,769,618 | s | 12,781,040 | s | 12,805,415 | s | 12,820,496 | s | 12,841,482 |



TEC - True-up
TEC - True-up
To be completed after Attachment 11 for the True-up Year is updated using actual data


NITS Revenue Requirement True-up with Interest
(i)

| Reconciliation Revenue Requirement |
| :---: |
| For Year 2023 Available June 17, |
| 2024 |
|  |
| Note [b] |
| $\$ 55,83,454$ |



|  |
| :---: |
| True-up Adjustment - Over (Under) Recovery |
|  |
| $\$ 3,843,118$ |

An over or under collection will be recovered prorata over 2023, held for 2024 and returned prorate over 2025


[^0]TEC Revenue Requirement True-up with Interest
(i)

| Reconciliation Revenue Requirement |
| :---: |
| For Year 2023 Available June 17, |
| 2024 |
|  |
| Note [b] |
| $\$ 18,521,019$ |



| True-up Adjustment - Over (Under) Recovery |
| :---: |
|  |
| $(\$ 1,532,520)$ |

An over or under collection will be recovered prorata over 2023, held for 2024 and returned prorate over 2025


| 46 | Base Over (Under) Recovery | $-\$ 1,532,520$ |
| :--- | :--- | ---: |
| 47 | Interest | $-\$ 260,468$ |
| 48 | Total Over (Under) Recovery plus True-Up with Interest | $-\$ 1,792,988$ |

[a] Interest on any True-up shall be based on the interest rate equal to the interest rate determined by 18 C.F.R. § 35.19 a and published on the FERC website. Interest rates will be used to calculate the time value of money for the period that the True-up exists. The interest rate to be applied to the True-up will be determined using the average rate for the twenty (20) months preceding September 1 of the current year. Interest on refunds and surcharges shall be compounded on a quarterly basis.
[b] The ATRR is used to compare against the billed revenue in the true-up calculation. This calculation excludes prior year true-up amounts.
The goal is to determine the value to input in Col. (D), Line 28 such that the value in Col. (D), line 41 becomes zero. For example, using Excel's Goal Seek function, the goal would be to set Excel cell G64 to 0 by changing only Excel cell G48.

|  | (A) | (B) | (C) | (D) | (E) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Line | Month | NITS Charge Code (A) | True-up (B) | Other (C) | Total |
| 1 | January | 4,970,746 |  |  | 4,970,746 |
| 2 | February | 4,489,706 |  |  | 4,489,706 |
| 3 | March | 4,970,746 |  |  | 4,970,746 |
| 4 | April | 4,810,399 |  |  | 4,810,399 |
| 5 | May | 4,970,745 |  |  | 4,970,745 |
| 6 | June | 4,810,399 |  |  | 4,810,399 |
| 7 | July | 4,970,746 |  |  | 4,970,746 |
| 8 | August | 4,970,746 |  |  | 4,970,746 |
| 9 | September | 4,810,399 |  |  | 4,810,399 |
| 10 | October | 4,970,746 |  |  | 4,970,746 |
| 11 | November | 4,810,399 |  |  | 4,810,399 |
| 12 | December | 4,970,746 |  |  | 4,970,746 |
| 13 | Total | 58,526,525 | - | (1,154,047) | 59,680,572 |


| Month | PJM Bill | True-up (B) | Other (C) | Total |
| :---: | :---: | :---: | :---: | :---: |
|  | TEC Charge Code (A) |  |  |  |
| January | 1,412,885 |  |  | 1,412,885 |
| February | 1,412,885 |  |  | 1,412,885 |
| March | 1,412,885 |  |  | 1,412,885 |
| April | 1,412,885 |  |  | 1,412,885 |
| May | 1,412,885 |  |  | 1,412,885 |
| June | 1,412,885 |  |  | 1,412,885 |
| July | 1,412,885 |  |  | 1,412,885 |
| August | 1,412,885 |  |  | 1,412,885 |
| September | 1,412,885 |  |  | 1,412,885 |
| October | 1,412,885 |  |  | 1,412,885 |
| November | 1,412,885 |  |  | 1,412,885 |
| December | 1,412,885 |  |  | 1,412,885 |
| Total | 16,954,620 | - | $(33,879)$ | 16,988,499 |

## Notes

(A) Amounts represent a subset of the total PJM bill for the entire AP Zone
(B) The PJM NITS \& TEC charges will include a true-up for the (over)/under recovery from a prior rate period. The total without true-up for NITS and TEC will be taken to Attachment 12 and Attachment 13 respectively.
(C) Any charges shall be entered as positives and refunds shall be entered as negatives. Includes any necessary prior period adjustments including those identified through the discovery or challenge procedures, as defined within the protocols.


[^1]



$\frac{\text { Notes }}{\text { (a) Average calculated as }[\text { Sum of Columns (C) through }(0)] \div 13 .}$
(b) CWIP will not be included $u$






[^0]:    46 Base Over (Under) Recovery
    47 Interest
    \$653,178
    48 Total Over (Under) Recovery plus True-Up with Interest
    \$4,496,296
    [a] Interest on any True-up shall be based on the interest rate equal to the interest rate determined by 18 C.F.R. § 35.19 a and published on the FERC website. Interest rates will be used to calculate the time value of money for the period that the True-up exists. The interest rate to be applied to the True-up will be determined using the average rate for the twenty (20) months preceding September 1 of the current year. Interest on refunds and surcharges shall be compounded on a quarterly basis.
    (b] The ATRR is used to compare against the billed revenue in the true-up calculation. This calculation excludes prior year true-up amounts.
    [c] The goal is to determine the value to input in Col. (D), Line 28 such that the value in in Col. (D), line 41 becomes zero. For example, using Excel's Goal Seek function, the goal would be to set Excel cell G64 to 0 by changing only Exce cell G48.

[^1]:    
    

