## AEP East Companies

Transmission Cost of Service Formula Rate
Utilizing Historic Cost Data for 2014 and Projected Net Plant at Year-End 2015

| Line No. |  |  |  |  |  | Transmission Amount |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | REVENUE REQUIREMENT (w/o incentives) | (In 138) | Total |  |  | \$19,172,194 |  |
|  |  |  |  | Allocator |  |  |  |
| 2 | REVENUE CREDITS | (Note A) (Worksheet E) | 1,490,429 | DA | 1.00000 | \$ | 1,490,429 |
| 3 | REVENUE REQUIREMENT For All Company Facilities | (In 1 less $\ln 2)$ |  |  |  | \$ | 17,681,765 |



## AEP East Companies

Transmission Cost of Service Formula Rate
Utilizing Historic Cost Data for 2014 and Projected Net Plant at Year-End 2015
WHEELING POWER COMPANY
(1)
(2)
(3)
(4)
(5)

Total Transmission

| IE BASE CALCULATIO | (See "General Notes") | ta |
| :---: | :---: | :---: |
| GROSS PLANT IN SERVICE |  |  |
| Production | (Worksheet A In 1.C) | 0 |
| Less: Production ARO (Enter Negative) | (Worksheet A In 2.C) | 0 |
| Transmission | (Worksheet A In 3.E \& Ln 142) | 117,263,595 |
| Less: Transmission ARO (Enter Negative) | (Worksheet A In 4.E \& Ln 143) | 0 |
| Plus: Transmission Plant-in-Service Additions (Worksheet I, In 21.D) |  | 14,029,070 |
| Plus: Additional Trans Plant on Transferred | orksheet I, In 22.D) | 0 |
| Distribution | (Worksheet A In 5.C) | 153,112,340 |
| Less: Distribution ARO (Enter Negative) | (Worksheet A In 6.C) | 0 |
| General Plant | (Worksheet A In 7.C) | 5,284,101 |
| Less: General Plant ARO (Enter Negative) | (Worksheet A In 8.C) | -34,819 |
| Intangible Plant | (Worksheet A In 9.C) | 2,435,979 |
| TOTAL GROSS PLANT | (sum Ins 18 to 28) | 292,090,266 |


| ACCUMULATED DEPRECIATION AND AMORTIZATION |  |  |
| :---: | :---: | :---: |
| Production | (Worksheet A In 12.C) |  |
| Less: Production ARO (Enter Negative) | (Worksheet A In 13.C) |  |
| Transmission | (Worksheet $A \ln$ 14.C \& 28.C) | 25,247,531 |
| Less: Transmission ARO (Enter Negative) | (Worksheet A In 15.C) |  |
| Plus: Transmission Plant-in-Service Additions (Worksheet I, In 21.I) 204,851 |  |  |
| Plus: Additional Projected Deprec on Transferred Assets (Worksheet I In. 24.D) |  |  |
| Plus: Additional Transmission Depreciation for 2015 (In 111) |  | 2,971,841 |
| Plus: Additional General \& Intangible Depreciation for 2015 (ln 113 + In 114) |  | 724,332 |
| Plus: Additional Accum Deprec on Transferred Assets (Worksheet I In 23.D) |  |  |
| Distribution | (Worksheet A In 16.C) | 41,087,683 |
| Less: Distribution ARO (Enter Negative) | (Worksheet A In 17.C) |  |
| General Plant | (Worksheet A In 18.C) | 2,639,29 |
| Less: General Plant ARO (Enter Negative) | (Worksheet A In 19.C) | -20,060 |
| Intangible Plant | (Worksheet A In 20.C) | 1,254,725 |
| TOTAL ACCUMULATED DEPRECIATION | (sum Ins 31 to 44) | 74,110,200 |
| NET PLANT IN SERVICE |  |  |
| Production | $(\ln 18+\ln 19-\ln 31-\ln 32)$ |  |
| Transmission | $(\ln 20+\ln 21-\ln 33-\ln 34)$ | 92,016,064 |
| Plus: Transmission Plant-in-Service Additions (ln $22-\ln 35$ ) |  | 13,824,219 |
| Plus: Additional Trans Plant on Transferred Assets (ln $23-\ln 36)$ |  |  |
| Plus: Additional Transmission Depreciation for 2015 (-In 37) |  | (2,971,841) |
| Plus: Additional General \& Intangible Depreciation for 2015 (-ln 38) |  | (724,332) |
| Plus: Additional Accum Deprec on Transferred Assets (Worksheet I) (-In 39) |  |  |
| Distribution | $(\ln 24+\ln 25-\ln 40-\ln 41)$ | 112,024,657 |
| General Plant | $(\ln 26+\ln 27-\ln 42-\ln 43)$ | 2,630,045 |
| Intangible Plant | $(\ln 28-\ln 44)$ | 1,181,254 |
| TOTAL NET PLANT IN SERVICE | (sum Ins 47 to 56) | 217,980,066 |


| DEFERRED TAX ADJUSTMENTS TO RATE BASE | (Note D) |  |
| :---: | :---: | :---: |
| Account No. 281.1 (enter negative) | (Worksheet B, In 2 \& In 5.C) | 0 |
| Account No. 282.1 (enter negative) | (Worksheet B, In 7 \& $\ln 10 . C)$ | $(41,426,980)$ |
| Account No. 283.1 (enter negative) | (Worksheet B, In 12 \& In 15.C) | $(4,879,214)$ |
| Account No. 190.1 | (Worksheet B, In 17 \& In 20.C) | 2,891,810 |
| Account No. 255 (enter negative) | (Worksheet B, In 24 \& In 25.C) | $(3,159)$ |
| TOTAL ADJUSTMENTS | (sum Ins 59 to 63) | $(43,417,543)$ |
| PLANT HELD FOR FUTURE USE | (Worksheet A ln 29.C \& In 30.C) | - |
| REGULATORY ASSETS | (Worksheet A In 36. (C)) | 0 |
| WORKING CAPITAL | (Note E) |  |
| Cash Working Capital | (1/8 * $\ln 88$ ) | 76,942 |
| Transmission Materials \& Supplies | (Worksheet C, In 2.(D)) | 2,545 |
| A\&G Materials \& Supplies | (Worksheet C, In 3.(D)) | 544 |
| Stores Expense | (Worksheet C, In 4.(D)) | 0 |
| Prepayments (Account 165) - Labor Allocated | (Worksheet C, In 6.G) | 7,690,910 |
| Prepayments (Account 165) - Gross Plant | (Worksheet C, In 6.F) | 140,627 |
| Prepayments (Account 165) - Transmission Only | (Worksheet C, In 6.E) | 0 |
| Prepayments (Account 165) - Unallocable | (Worksheet C, In 6.D) | $(7,328,077)$ |
| TOTAL WORKING CAPITAL | (sum Ins 68 to 75) | 583,491 |
| IPP CONTRIBUTIONS FOR CONSTRUCTION | (Note F) (Worksheet D, In 7.B) | - |
| RATE BASE (sum Ins 57, 64, 65, 66, 76, 77) |  | 175,146,014 |

## Allocator

NA

| NA | 0.00000 |
| :--- | :--- |
| NA | 0.00000 |


| 0 |
| ---: |
| 0 |
| $117,263,595$ |
| 0 |
| $14,029,070$ |
| 0 |
| 0 |
| 0 |
| 668,954 |
| $(4,408)$ |
| 308,389 |
| $132,265,600$ |


| NA | 0.00000 | 0 |
| :---: | ---: | ---: |
| NA | 0.00000 | 0 |
| TP1= | 1.00000 | $25,247,531$ |
| TP1= | 1.00000 | 0 |
| DA | 1.00000 | 204,851 |
| DA | 1.00000 | 0 |
| TP1 | 1.00000 | $2,971,841$ |
| W/S | 0.12660 | 91,699 |
| DA | 1.00000 | 0 |
| NA | 0.00000 | 0 |
| NA | 0.00000 | 0 |
| W/S | 0.12660 | 334,128 |
| W/S | 0.12660 | $(2,540)$ |
| W/S | 0.12660 | 158,845 |
|  |  | $29,006,356$ |
|  |  | 0 |
|  |  | $02,016,064$ |
|  |  | $13,824,219$ |
|  |  | 0 |
|  |  | $(2,971,841)$ |
|  |  | $(91,699)$ |
|  |  | 0 |
|  |  | 332,957 |
|  |  | 149,544 |
|  |  | $103,259,244$ |NA

DA
$\square$
DA
DA

|  |  | 76,942 |
| :---: | ---: | ---: |
| TP | 1.00000 | 2,545 |
| W/S | 0.12660 | 69 |
| GP(h) | 0.42522 | 0 |
| W/S | 0.12660 | 973,650 |
| GP(h) | 0.42522 | 59,797 |
| DA | 1.00000 | 0 |
| NA | 0.00000 | 0 |
|  |  | $1,113,003$ |
| DA | 1.00000 |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |



## WHEELING POWER COMPANY

SUPPORTING CALCULATIONS

| In |
| :---: |
| No. |
| 139 |
| 140 |
| 141 |
| 142 |
| 143 |


|  |  |
| :--- | :--- |
| 144 | WAGES \& SALARY ALLOCATOR (W/S) |
| 145 | Production |
| 146 | Transmission |
| 147 | Regional Market Expenses |
| 148 | Distribution |
| 149 | Other (Excludes A\&G) |
| 150 | Total |
|  |  |
| 151 | Transmission related amount |
|  |  |
| 152 | WEIGHTED AVERAGE COST OF CAPITAL (WACC) |
| 153 | Long Term Interest |
| 154 | Preferred Dividends |
| 155 | Development of Common Stock: |
| 156 | Proprietary Capital |
| 157 | Less: Preferred Stock |
| 158 | Less: Account 216.1 |
| 159 | Less: Account 219 |
| 160 | Common Stock |
|  |  |
| 161 |  |
| 162 | Long Term Debt (Note T) Worksheet L, In 35, col. (B)) |
| 163 | Preferred Stock (In 157) |
| 164 | Common Stock (In 160) |
| 165 | Total (Sum Ins 162 to 164) |

TRANSMISSION PLANT INCLUDED IN PJM TARIFF
Total transmission plant (ln 20)
Less transmission plant excluded from PJM Tariff (Note P)
Transmission plant included in PJM Tariff (ln $139-\ln 140-\ln 141)$
Percent of transmission plant in PJM Tariff

Less transmission plant included in OATT Ancillary Services (Worksheet A, In 23, Col. (C)) (Note Q)
(In 142 / In 139)

| (Note R) | Direct Payroll | Payroll Billed from AEP Service Corp. | Total |  |
| :---: | :---: | :---: | :---: | :---: |
| 354.20.b | 0 | 0 | - | NA |
| 354.21.b | 0 | 383,999 | 383,999 | TP |
| 354.22.b | 0 | 0 | - | NA |
| 354.23.b | 1,542,207 | 406,997 | 1,949,204 | NA |
| 354.24,25,26.b | 353,274 | 346,750 | 700,024 | NA |
| (sum Ins 145 to 149) | 1,895,481 | 1,137,746 | 3,033,227 |  |

(Worksheet L, In. 35, col. (D))

| (FF1 p 112, Ln 16.c) | $98,472,987$ |
| :--- | ---: |
| (FF1 p 112, Ln 3.c) | - |
| (FF1 p 112, Ln 12.c) | - |
| (FF1 p 112, Ln 15.c) | 772,181 |

(ln $156-\ln 157-\ln 158-\ln 159)$

|  | \$ |
| ---: | ---: |
| $25,000,000$ | $20.37 \%$ |
| - | $0.00 \%$ |
| $97,700,806$ | $79.63 \%$ |
| $122,700,806$ |  |

117,263,595

| $117,263,595$ |
| ---: |
| - |
| $117,263,595$ |


| 0.00000 | - |
| ---: | ---: |
| 1.00000 | 383,999 |
| 0.00000 | - |
| 0.00000 | - |
| 0.00000 | - |
|  | 383,999 |
| WIS $=$ | $\mathbf{0 . 1 2 6 6 0}$ |


|  | 97,700,806 |
| :---: | :---: |
| $\begin{gathered} \text { Cost } \\ \text { (Note S) } \end{gathered}$ | Weighted |
| 0.0525 | 0.0107 |
| - | 0.0000 |
| 11.49\% | 0.0915 |
| WACC | 0.1022 |

## WHEELING POWER COMPANY

## Notes

General Notes: a) References to data from Worksheets are indicated as: Worksheet X, Line\#.Column.X

A Revenue credits include:

1) Forfeited Discounts.
2) Miscellaneous Service Revenues
3) Rental revenues earned on assets included in the rate base.
4) Revenues for associated business projects provided by employees whose labor and overhead costs are in the transmission cost of service.
5) Other electric revenues.
6) Revenues for grandfathered PTP contracts included in the load divisor.

See Worksheet E for details.
B The annual and monthly net plant carrying charges on page 1 are used to compute the revenue requirement for RTEP sponsored upgrades or those projects receiving approved incentive-ROE's

C Transmission Plant balances in this study are projected as of December 31, 2015. Other ratebase amounts are as of December 31, 2014.
D The total-company balances shown for Accounts 281, 282, 283, 190 only reflect ADIT that relates to utility operations. The balance of Account 255 is reduced by prior flow throughs and is completely excluded if the utility chose to utilize amortization of tax credits against FIT expense. An exception to this is pre-1971 ITC balances, which are required to be taken as an offset to rate base. Account 281 is not allocated. In compliance with FERC Rulemaking RM02-7-000, Asset Retirement Obligation deferrals have been removed from ratebase. Transmission ADIT allocations are shown on WS B.
The company will not include the ADIT portion of deferred hedge gains and losses in rate base.
E Cash Working Capital assigned to transmission is one-eighth of O\&M allocated to transmission, as shown on line 88. It excludes: 1) Load Scheduling \& Dispatch Charges in account 561 that are collected in the OATT Ancilliary Services Revenue, as shown on line 85. 2) AEP transmission equalization transfers, as shown on line 86
3) The impact of state regulatory deferrals and amortizations, as shown on line 87
4) All A\&G Expenses, as shown on line 103.

F Consistent with Paragraph 657 of Order 2003-A, the amount on line 77 is equal to the balance of IPP System Upgrade Credits owed to transmission customers that made contributions toward the construction of System upgrades, and includes accrued interest and unreturned balance of contributions. The annual interest expense is included on line 135.

G Removes from the cost of service the Load Scheduling and Dispatch expenses booked to accounts 561.1 through 561.8. Expenses recorded in these accounts, with the exception of 561.4 \& 561.8 (lines 15 \& 16 above) are recovered in Schedule 1A, OATT ancillary services rates. See Worksheet F, lines 5 through 14 , for descriptions and the Form 1 Source of these accounts' balances.

H Removes cost of transmission service provided by others to determine the basis of cash working capital on line 88. To the extent such service is incurred to provide the PJM service at issue, e.g. transmission equalization agreement, such costs are added back on lines 105 and 106 to determine the total O\&M collected in the formula. The amounts on lines 105 and 106 are also excluded in the calculation of the FCR percentage calculated on lines 5 through 11.
The addbacks on lines 105 and 106 of activity recorded in 565 represents inter-company sales or purchases of transmission capacity necessary to meet each AEP company's transmission load relative to their available transmission capacity. The company records referenced on lines 105 and 106 is the WHEELING POWER COMPANY general ledger.

I Removes the impact of state regulatory deferrals or their amortization from O\&M expense.
J General Plant and Administrative \& General expenses, other than in accounts 924, 928, and 930, will be functionalized based on the Wages \& Salaries "W/S" allocator. The allocation basis for accounts 924,928 and 930 are separately presented in the formula. A change in the allocation method for an account must be approved via a 205 filing with the FERC.
K These deductions on lines 91 through 93 are to remove from the cost of service the expenses recorded by the company for Postemployment Benefits Other than Pensions (PBOP). See Note M below for the recoverable PBOP expense.

L Expenses reported for these A\&G accounts will be included in the cost of service only to the extent they are directly assignable to transmission service. Worksheet $F$ allocates these expense items. Acct 928 Includes Regulatory Commission expenses itemized in FERC Form-1 at page 351, column H. FERC Assessment Fees and Annual Charges shall not be allocated to transmission. Only safety-related and educational advertising costs in Account 930.1 are included in the TCOS. Account 930.2 includes the expenses incurred by the transmission function for Associated Business Development revenues given as a credit to the TCOS on Worksheet E.

M See note K above. Per the settlement in Docket ER08-1329, recoverable PBOP expense is based on an annual total for the operating companies that is ratioed to them based on the total of actual annual PBOP costs, including charges from the AEP Service Corportation. The calculation of the recoverable amount for each company is shown on Worksheet O, and the nrocess for undatind the annual total is documented on Attachment F. Allowable PBOP Exnense Formula.
N Includes only FICA, unemployment, highway, property and other assessments charged in the current year. Gross receipts, sales \& use and taxes related to income are excluded.
O The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and $p=$
the percentage of federal income tax deductible for state income taxes. See Worksheet G for the development of the Company's composite SIT.
A utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base,
must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f)
(In 130) multiplied by (1/1-T). If the applicable tax rates are zero enter 0.
$\begin{array}{lll}\text { Inputs Required: } & \text { FIT }= & 35.00 \%\end{array}$

| SIT $=$ | $6.50 \%$ | (State Income Tax Rate or Composite SIT. Worksheet G)) |
| :--- | ---: | :--- |
| $\mathrm{p}=$ | $0.00 \%$ | (percent of federal income tax deductible for state purposes) |

P Removes plant excluded from the OATT because it does not meet the PJM's definition of Transmission Facilities or is otherwise ineligible to be recovered under the OATT.
Q Removes transmission plant (e.g. step-up transformers) included in the development of OATT ancillary service rates and not already removed for reasons indicated in Note P.
R Includes functional wages \& salaries billed by AEP Service Corporation for support of the operating company.
$S \quad$ Long Term Debt cost rate = long-term interest (ln 153) / long term debt (ln 162). Preferred Stock cost rate = preferred dividends (ln 154)/preferred outstanding (In 163). Common Stock cost rate (ROE) $=11.49 \%$, the rate accepted by FERC in Docket No. ER08-1329. It includes an additional 50 basis points for PJM RTO membership.
In the Projected \& Historic templates, the interest expense on long-term debt is the sum of a full year's interest expense at the coupon rate for each issuance outstanding as of December 31 of the historic year. The projected expense for variable rate debt will be based on the effective rate at December 31 . These conventions ensure that the expense used in the projection will reflect a full year, similar to the actual expense that will appear in the subsequent true-up of the projection, and minimize the impact on the true-up of using a partial year interest expense. The projection will reflect the actual historic-year expense recorded for issuance expenses, discounts and premiums, and gains or losses on reacquired debt. Eligible hedging gains or losses will be limited to five basis points of the projected capital structure. Details and calculations are shown on Worksheet L.
T This note only applies to Indiana Michigan Power Company.
U This note only applies to the true-up template.

Transmission Cost of Service Formula Rate
Utilizing Historic Cost Data for 2014 with Year-End Rate Base Balances

## WHEELING POWER COMPANY

| Line No. |  |  |  |  |  | Transmission Amount |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 166 | REVENUE REQUIREMENT (w/o incentives) | (In 303) |  |  |  | \$17,232,349 |  |
|  |  |  | Total | Allocator |  |  |  |
| 167 | REVENUE CREDITS | (Note A) (Worksheet E) | 1,490,429 | DA | 1.00000 | \$ | 1,490,429 |
| 168 | REVENUE REQUIREMENT For All Company Facilities | (In 166 less $\ln$ 167) |  |  |  | \$ | 15,741,919 |


| MEMO: The Carrying Charge Calculations on lines 171 to 176 below are used in calculating project revenue requirements billed through PJM Schedule 12, Transmission Enhancement Charges. The total non-incentive revenue requirements for these projects shown on line 169 is included in the total on line 168. |  |  |
| :---: | :---: | :---: |
| 169 | Not applicable |  |
| 170 | NET PLANT C | or credits or ROE incentives (Note B) |
| 171 | Annual Rate | ( ( $\mathrm{l} 166-\ln 270-\ln 271$ )/ $\ln 213 \times 100)$ |
| 172 | Monthly Rate | ( $\mathrm{l} 171 / 12$ ) |
| 173 | NET PLANT C | preciation or ROE incentives (Note B) |
| 174 | Annual Rate | ( ( $\ln 166-\ln 270-\ln 271-\ln 276) / \ln 213 \times 100)$ |
| 175 | NET PLANT C | urn, income taxes or ROE incentives (Note B) |
| 176 | Annual Rate | ( ( $\ln 166-\ln 270-\ln 271-\ln 276-\ln 298-\ln 299) / \ln 213 \times 100)$ |
| 177 | Not applicable |  |

79 Total Load Dispatch \& Scheduling (Account 561) Line 250 Below
Less: Load Dispatch - Scheduling, System Control and Dispatch Services (321.88.b)
Less: Load Dispatch - Reliability, Planning \& Standards Development Services (321.92.b)
182



AEP East Companies
Transmission Cost of Service Formula Rate
Utilizing Historic Cost Data for 2014 with Year-End Rate Base Balances
WHEELING POWER COMPANY
SUPPORTING CALCULATIONS


# AEP East Companies Transmission Cost of Service Formula Rate Utilizing Historic Cost Data for 2014 with Year-End Rate Base Balances <br> <br> WHEELING POWER COMPANY 

 <br> <br> WHEELING POWER COMPANY}

Formula Rate
WPCo Historic TCOS Page 10 of 36

General Notes: a) References to data from Worksheets are indicated as: Worksheet X, Line\#.Column.X
A Revenue credits include:

1) Forfeited Discounts
2) Forfeited Discounts.
3) Miscellaneous Service Revenues
4) Miscellaneous Service Revenues.
5) Rental revenues earned on assets
6) Rental revenues earned on assets included in the rate base.
7) Revenues for associated business projects provided by employees whose labor and overhead costs are in the transmission cost of service.
8) Other electric revenues.
9) Revenues for grandfathered PTP contracts included in the load divisor.

See Worksheet E for details.
B The annual and monthly net plant carrying charges on page 1 are used to compute the revenue requirement for RTEP sponsored upgrades or those projects receiving approved incentive-ROE's.

C Transmission Plant balances in this study are historic as of December 31, 2014.
D The total-company balances shown for Accounts 281, 282, 283, 190 only reflect ADIT that relates to utility operations. The balance of Account 255 is reduced by prior flow throughs and is completely excluded if the utility chose to utilize amortization of tax credits against FIT expense. An exception to this is pre-1971 ITC balances, which are required to be taken as an offset to rate base. Account 281 is not allocated. In compliance with FERC Rulemaking RM02-7-000, Asset Retirement Obligation deferrals have been removed from ratebase. Transmission ADIT allocations are shown on WS B.
The company will not include the ADIT portion of deferred hedge gains and losses in rate base.
E Cash Working Capital assigned to transmission is one-eighth of O\&M allocated to transmission, as shown on line 253. It excludes:

1) Load Scheduling \& Dispatch Charges in account 561 that are collected in the OATT Ancilliary Services Revenue, as shown on line 250.
2) AEP transmission equalization transfers, as shown on line 251
3) The impact of state regulatory deferrals and amortizations, as shown on line 252
4) All A\&G Expenses, as shown on line 268.

F Consistent with Paragraph 657 of Order 2003-A, the amount on line 242 is equal to the balance of IPP System Upgrade Credits owed to transmission customers that made contributions toward the construction of System upgrades, and includes accrued interest and unreturned balance of contributions. The annual interest made contributions toward the con
expense is included on line 300 .

G Removes from the cost of service the Load Scheduling and Dispatch expenses booked to accounts 561.1 through 561.8. Expenses recorded in these accounts, with the exception of 561.4 \& 561.8 (lines 180 \& 181 above) are recovered in Schedule 1A, OATT ancillary services rates. See Worksheet F, lines 5 through 14, for descriptions and the Form 1 Source of these accounts' balances.
H Removes cost of transmission service provided by others to determine the basis of cash working capital on line 253. To the extent such service is incurred to provide the PJM service at issue, e.g. transmission equalization agreement, such costs are added back on lines 270 and 271 to determine the total O\&M collected in the formula. The amounts on lines 270 and 271 are also excluded in the calculation of the FCR percentage calculated on lines 170 through 176.
The addbacks on lines 270 and 271 of activity recorded in 565 represents inter-company sales or purchases of transmission capacity necessary to meet each AEP company's transmission load relative to their available transmission capacity.
The company records referenced on lines 270 and 271 is the WHEELING POWER COMPANY general ledger.
I Removes the impact of state regulatory deferrals or their amortization from O\&M expense.
J General Plant and Administrative \& General expenses, other than in accounts 924, 928, and 930, will be functionalized based on the Wages \& Salaries "W/S" allocator. The allocation basis for accounts 924,928 and 930 are separately presented in the formula. A change in the allocation method for an account must be approved via a 205 filing with the FERC.
K These deductions on lines 256 through 258 are to remove from the cost of service the expenses recorded by the company for Postemployment Benefits Other than Pensions (PBOP). See Note M below for the recoverable PBOP expense.
$\mathrm{L} \quad$ Expenses reported for these A\&G accounts will be included in the cost of service only to the extent they are directly assignable to transmission service. Worksheet F allocates these expense items. Acct 928 Includes Regulatory Commission expenses itemized in FERC Form-1 at page 351, column H. FERC Assessment Fees and Annual Charges shall not be allocated to transmission. Only safety-related and educational advertising costs in Account 930.1 are included in the TCOS. Account 930.2 includes the expenses incurred by the transmission function for Associated Business Development revenues given as a credit to the TCOS on Worksheet E .

M See note K above. Per the settlement in Docket ER08-1329, recoverable PBOP expense is based on an annual total for the operating companies that is ratioed to them based on the total of actual annual PBOP costs, including charges from the AEP Service Corportation. The calculation of the recoverable amount for each company is shown on Worksheet O , and the process for updating the annual total is documented on Attachment F, Allowable PBOP Expense Formula.
$\mathrm{N} \quad$ Includes only FICA, unemployment, highway, property and other assessments charged in the current year. Gross receipts, sales \& use and taxes related to income are excluded.
O The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and $\mathrm{p}=$ the percentage of federal income tax deductible for state income taxes. See Worksheet G for the development of the Company's composite SIT
A utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f)
(In 295) multiplied by (1/1-T). If the applicable tax rates are zero enter 0 .

| Inputs Required: | FIT $=$ | $35.00 \%$ |  |
| :--- | ---: | :--- | :--- |
|  | SIT $=$ | $6.50 \%$ | (State Income Tax Rate or Composite SIT. Worksheet G)) |
|  | $\mathrm{p}=$ | $0.00 \%$ | (percent of federal income tax deductible for state purposes) | Common Stock cost rate (ROE) $=11.49 \%$, the rate accepted by FERC in Docket No. ER08-1329. It includes an additional 50 basis points for remaining a member of the PJM RTO.

In the Projected \& Historic templates, the interest expense on long-term debt is the sum of a full year's interest expense at the coupon rate for each issuance outstanding as of December 31 of the historic year. The projected expense for variable rate debt will be based on the effective rate at December 31. These conventions ensure that the expense used in the projection will reflect a full year, similar to the actual expense that will appear in the subsequent true-up of the projection, and minimize the impact on the true-up of using a partial year interest expense. The projection will reflect the actual historic-year expense recorded for issuance expenses, discounts and premiums, and gains or losses on reacquired debt. Eligible hedging gains or losses will be limited to five basis points of the projected capital structure. Details and calculations are shown on Worksheet L .

T This note only applies to Indiana Michigan Power Company.
$U \quad$ This note only applies to the true-up template.


Transmission Cost of Service Formula Rate

WHEELING POWER COMPANY

|  | AEP East Companies Transmission Cost of Service Formula Rate Utilizing Actual Cost Data for 2014 with Average Ratebase Balances |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| WHEELING POWER COMPANY |  |  |  |  |  |  |
|  | (1) | (2) | (3) |  |  | (5) |
|  | RATE BASE CALCULATION | Data Sources (See "General Notes") | TO Total |  |  | Total Transmission |
| Line |  |  | NOTE C |  |  |  |
| No. | GROSS PLANT IN SERVICE |  |  |  |  |  |
| 18 | Production | (Worksheet $\mathrm{A} \ln 1 . \mathrm{E}$ ) |  | NA | 0.00000 |  |
| 19 | Less: Production ARO (Enter Negative) | (Worksheet $\mathrm{A} \ln 2 . \mathrm{E}$ ) |  | NA | 0.00000 |  |
| 20 | Transmission | (Worksheet A In 3.E \& Ln 142) | 114,956,364 | DA |  | 114,956,364 |
| 21 | Less: Transmission ARO (Enter Negative) (Worksheet A ln 4.E \& Ln 143)Plus: Transmission Plant-in-Service Additions (Worksheet I) |  | - | TP | 1.00000 |  |
| 22 |  |  | N/A | NA | 0.00000 | N/A |
| 23 | Plus: Additional Trans Plant on Transferred Assets (Worksheet I) |  | N/A | NA | 0.00000 | N/A |
| 24 | Distribution | (Worksheet A In 5.E) | 148,978,410 | NA | 0.00000 |  |
| 25 | Less: Distribution ARO (Enter Negative) | (Worksheet A In 6.E) |  | NA | 0.00000 |  |
| 26 | General Plant | (Worksheet A In 7.E) | 5,238,276 | W/S | 0.12660 | 663,153 |
| 27 | Less: General Plant ARO (Enter Negative) | (Worksheet A In 8.E) | $(34,819)$ | W/S | 0.12660 | $(4,408)$ |
| 28 | Intangible Plant | (Worksheet A In 9.E) | 1,650,575 | W/S | 0.12660 | 208,959 |
| 29 | TOTAL GROSS PLANT | (sum Ins 18 to 28) | 270,788,805 | GP(h)= | 0.42773 | 115,824,067 |
|  |  |  |  | GTD= | 0.00000 |  |
| 30 | ACCUMULATED DEPRECIATION AND AMORTIZATION |  |  |  |  |  |
| 31 | Production | (Worksheet A In 12.E) | - | NA | 0.00000 |  |
| 32 | Less: Production ARO (Enter Negative) | (Worksheet A In 13.E) | - | NA | 0.00000 | - |
| 33 | Transmission | (Worksheet A In 14.E \& 28.E) | 23,976,392 | TP1= | 1.00000 | 23,976,392 |
| 34 | Less: Transmission ARO (Enter Negative) | (Worksheet A In 15.E) | - - | TP1= | 1.00000 |  |
| 35 | Plus: Transmission Plant-in-Service Additions (Worksheet I) |  | N/A | DA | 1.00000 | N/A |
| 36 | Plus: Additional Projected Deprec on Transferred Assets (Worksheet I) |  | N/A | DA | 1.00000 | N/A |
| 37 | Plus: Additional Transmission Depreciation for 2015 (In 111) |  | N/A | TP1 | 1.00000 | N/A |
| 38 | Plus: Additional General \& Intangible Depreciation for 2015 ( $\ln 110+\ln 111)$ |  | N/A | W/S | 0.12660 | N/A |
| 39 | Plus: Additional Accum Deprec on Transferred Assets (Worksheet I) |  | N/A | DA | 1.00000 | N/A |
| 40 | Distribution | (Worksheet A In 16.E) | 40,141,712 | NA | 0.00000 |  |
| 41 | Less: Distribution ARO (Enter Negative) | (Worksheet A In 17.E) | - | NA | 0.00000 | - |
| 42 | General Plant | (Worksheet A In 18.E) | 2,563,657 | W/S | 0.12660 | 324,553 |
| 43 | Less: General Plant ARO (Enter Negative) | (Worksheet A In 19.E) | $(19,642)$ | W/S | 0.12660 | $(2,487)$ |
| 44 | Intangible Plant | (Worksheet A In 20.E) | 967,098 | W/S | 0.12660 | 122,432 |
| 45 | TOTAL ACCUMULATED DEPRECIATION | (sum Ins 31 to 44) | 67,629,215 |  |  | 24,420,890 |
| 46 | NET PLANT IN SERVICE |  |  |  |  |  |
| 47 | Production | (ln $18+\ln 19-\ln 31-\ln 32)$ | - |  |  | - |
| 48 | Transmission | (ln $20+\ln 21-\ln 33-\ln 34)$ | 90,979,973 |  |  | 90,979,973 |
| 49 | Plus: Transmission Plant-in-Service Additions (ln $22-\ln 35$ ) |  | N/A |  |  | N/A |
| 50 | Plus: Additional Trans Plant on Transferred Assets ( $\ln 23-\ln 36)$ |  | N/A |  |  | N/A |
| 51 | Plus: Additional Transmission Depreciation for 2015 (-In 37) |  | N/A |  |  | N/A |
| 52 | Plus: Additional General \& Intangible Depreciation for 2015 (-In 38) |  | N/A |  |  | N/A |
| 53 | Plus: Additional Accum Deprec on Transferred Assets (Worksheet I) (-In 39) |  | N/A |  |  | N/A |
| 54 | Distribution | $(\ln 24+\ln 25-\ln 40-\ln 41)$ | 108,836,698 |  |  |  |
| 55 | General Plant | ( $\ln 26+\ln 27-\ln 42-\ln 43)$ | 2,659,443 |  |  | 336,679 |
| 56 | Intangible Plant | ( In $28-\ln 44)$ | 683,477 |  |  | 86,526 |
| 57 | TOTAL NET PLANT IN SERVICE | (sum Ins 47 to 56) | 203,159,590 | $N P(h)=$ | 0.44991 | 91,403,178 |
| 58 | DEFERRED TAX ADJUSTMENTS TO RATE BASE Account No. 281.1 (enter negative) | (Note D) |  |  |  |  |
| 59 | Account No. 281.1 (enter negative)Account No. 282.1 (enter negative) | (Worksheet B, In 2 \& In 5.E) | - | NA |  | - |
| 60 |  | (Worksheet B, $\ln 7$ \& In 10.E) | $(39,058,451)$ | DA |  | $(20,499,426)$ |
| 61 | Account No. 283.1 (enter negative) | (Worksheet B, In 12 \& In 15.E) | $(4,411,024)$ | DA |  | $(380,480)$ |
| 62 | Account No. 190.1 | (Worksheet B, In 17 \& In 20.E) | 2,844,222 | DA |  | 853,814 |
| 63 | Account No. 255 (enter negative) | (Worksheet B, In 24 \& In 25.E) | $(6,891)$ | DA |  | $(2,284)$ |
| 64 | TOTAL ADJUSTMENTS | (sum Ins 59 to 63) | $(40,632,144)$ |  |  | $(20,028,376)$ |
| 65 | PLANT HELD FOR FUTURE USE | (Worksheet A In 29.E \& In 30.E) | - | DA |  | - |
| 66 | REGULATORY ASSETS | (Worksheet A In 36. (E)) |  | DA |  |  |
| 67 |  | (Note E) |  |  |  |  |
| 68 | WORKING CAPITAL Cash Working Capital | (1/8* $\ln 88)$ | 76,942 |  |  | 76,942 |
| 69 | Transmission Materials \& Supplies | (Worksheet C, In 2.F) | 1,970 | TP | 1.00000 | 1,970 |
| 70 | A\&G Materials \& Supplies | (Worksheet C, In 3.F) | 2,212 | W/S | 0.12660 | 280 |
| 71 | Stores Expense | (Worksheet C, In 4.(D)) |  | GP(h) | 0.42773 |  |
| 72 | Prepayments (Account 165) - Labor Allocated | (Worksheet C, In 8.G) | 7,606,182 | W/S | 0.12660 | 962,924 |
| 73 | Prepayments (Account 165) - Gross Plant | (Worksheet C, In 8.F) | 142,788 | GP(h) | 0.42773 | 61,075 |
| 74 | Prepayments (Account 165) - Transmission Only | (Worksheet C, In 8.E) |  | DA | 1.00000 | - |
| 75 | Prepayments (Account 165) - Unallocable | (Worksheet C, In 8.D) | $(7,269,999)$ | NA | 0.00000 |  |
| 76 | TOTAL WORKING CAPITAL | (sum Ins 68 to 75) | 560,096 |  |  | 1,103,191 |
| 77 | IPP CONTRIBUTIONS FOR CONSTRUCTION | (Note F) (Worksheet D, In 8 (B)) |  | DA | 1.00000 |  |
| 78 | RATE BASE (sum Ins 57, 64, 65, 66, 76, 77) |  | 163,087,542 |  |  | 72,477,993 |



Utilizing Actual Cost Data for 2014 with Average Ratebase Balances
WHEELING POWER COMPANY
SUPPORTING CALCULATIONS

| In |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. | TRANSMISSION PLANT INCLUDED IN PJM TARIFF |  |  |  |  |  |  |  |
| 139 | Total transmission plant | ( ln 20 ) |  |  |  |  |  | 114,956,364 |
| 140 | Less transmission plant excluded from PJM Tariff (Note P) |  |  |  |  |  |  | - |
| 141 | Less transmission plant included in OATT Ancillary Services (Worksheet A, In 23, Col. (C)) (Note Q) |  |  |  |  |  |  | - |
| 142 | Transmission plant included in PJM Tariff | (In $139-\ln 140-\ln 14$ |  |  |  |  |  | 114,956,364 |
| 143 | Percent of transmission plant in PJM Tariff | ( $\mathrm{ln} 142 / \mathrm{ln} 139)$ |  |  |  |  | TF | 1.00000 |
|  |  |  |  | Payroll Billed from |  |  |  |  |
| 144 | WAGES \& SALARY ALLOCATOR (W/S) | (Note R) | Direct Payroll | AEP Service Corp. | Total |  |  |  |
| 145 | Production | 354.20.b | 0 | 0 | - | NA | 0.00000 |  |
| 146 | Transmission | 354.21.b | 0 | 383,999 | 383,999 | TP | 1.00000 | 383,999 |
| 147 | Regional Market Expenses | 354.22.b | 0 | 0 | - | NA | 0.00000 |  |
| 148 | Distribution | 354.23.b | 1,542,207 | 406,997 | 1,949,204 | NA | 0.00000 |  |
| 149 | Other (Excludes A\&G) | 354.24,25,26.b | 353,274 | 346,750 | 700,024 | NA | 0.00000 |  |
| 150 | Total | (sum Ins 145 to 149) | 1,895,481 | 1,137,746 | 3,033,227 |  |  | 383,999 |
| 151 | Transmission related amount |  |  |  |  |  | W/S= | 0.12660 |
| 152 | WEIGHTED AVERAGE COST OF CAPITAL (WACC) |  |  |  |  |  |  | , |
| 153 | Long Term Interest | (Worksheet M, In. 21, col. (E)) |  |  |  |  |  | 1,312,500 |
| 154 | Preferred Dividends | (Worksheet M, In. 56 |  |  |  |  |  |  |
| 155 | Development of Common Stock: |  |  |  |  |  |  | Average |
| 156 | Proprietary Capital | (Worksheet M, In. 1, |  |  |  |  |  | 109,349,070 |
| 157 | Less: Preferred Stock | (Worksheet M, In. 2, |  |  |  |  |  |  |
| 158 | Less: Account 216.1 | (Worksheet M, In. 3, |  |  |  |  |  | - |
| 159 | Less: Account 219 | (Worksheet M, In. 4, |  |  |  |  |  | 872,193 |
| 160 | Common Stock | (ln $156-\ln 157-\ln 158-\ln 159)$ |  |  |  |  | Cost | 108,476,876 |
|  |  |  |  | Capital Structure Weighting |  |  |  |  |
| 161 |  | Average \$ |  | Actual | Cap Limit |  | (Note S) | Weighted |
| 162 | Long Term Debt (Note T) W/S M, In 11, In 22, col. (E)) | 25,000, |  | 18.73\% | 0.00\% |  | 0.0525 | 0.0098 |
| 163 | Preferred Stock (In 157) |  |  | 0.00\% | 0.00\% |  | - | 0.0000 |
| 164 | Commone Stock (In 160) | 108,476, |  | 81.27\% | 0.00\% |  | 11.49\% | 0.0934 |
| 165 | Total (Sum Ins 162 to 164) | 133,476, |  |  |  |  | WACC= | 0.1032 |
| 166 | Capital Structure Equity Limit (Note U) |  |  |  |  |  |  |  |

## AEP East Companie

Transmission Cost of Service Formula Rate
Utilizing Actual Cost Data for 2014 with Average Ratebase Balances
WHEELING POWER COMPANY

## Notes

General Notes: a) References to data from Worksheets are indicated as: Worksheet X, Line\#.Column.X

A Revenue credits include

1) Forfeited Discounts.
2) Miscellaneous Service Revenues
3) Rental revenues earned on assets included in the rate base
4) Revenues for associated business projects provided by employees whose labor and overhead costs are in the transmission cost of service.
5) Other electric revenues.
6) Revenues for grandfathered PTP contracts included in the load divisor

See Worksheet E for details.
B The annual and monthly net plant carrying charges on page 1 are used to compute the revenue requirement for RTEP sponsored upgrades or those projects receiving approved incentive-ROE's.

C Transmission Plant balances in this study reflect the average of the balances at December 31, 2013 and December 31, 2014.
D The total-company balances shown for Accounts 281, 282, 283, 190 only reflect ADIT that relates to utility operations. The balance of Account 255 is reduced by prior flow throughs and is completely excluded if the utility chose to utilize amortization of tax credits against FIT expense. An exception to this is pre-1971 ITC balances, which are required to be taken as an offset to rate base. Account 281 is not allocated. In compliance with FERC Rulemaking RM02-7-000, Asset Retirement Obligation deferrals have been removed from ratebase. Transmission ADIT allocations are shown on WS B
The company will not include the ADIT portion of deferred hedge gains and losses in rate base.
E Cash Working Capital assigned to transmission is one-eighth of O\&M allocated to transmission, as shown on line 88. It excludes 1) Load Scheduling \& Dispatch Charges in account 561 that are collected in the OATT Ancilliary Services Revenue, as shown on line 85
2) AEP transmission equalization transfers, as shown on line 86
3) The impact of state regulatory deferrals and amortizations, as shown on line 87
4) All A\&G Expenses, as shown on line 103.

F Consistent with Paragraph 657 of Order 2003-A, the amount on line 77 is equal to the balance of IPP System Upgrade Credits owed to transmission customers that made contributions toward the construction of System upgrades, and includes accrued interest and unreturned balance of contributions. The annual interes expense is included on line 135.

G Removes from the cost of service the Load Scheduling and Dispatch expenses booked to accounts 561.1 through 561.8. Expenses recorded in these accounts, with the exception of 561.4 \& 561.8 (lines 15 \& 16 above) are recovered in Schedule 1A, OATT ancillary services rates. See Worksheet F, lines 5 through 14, for descriptions and the Form 1 Source of these accounts' balances

H Removes cost of transmission service provided by others to determine the basis of cash working capital on line 88. To the extent such service is incurred to provide the PJM service at issue, e.g. transmission equalization agreement, such costs are added back on lines 105 and 106 to determine the total O\&M collected in the formula. The amounts on lines 105 and 106 are also excluded in the calculation of the FCR percentage calculated on lines 5 throuah 11 . company's transmission load relative to their available transmission capacity. The company records referenced on lines 105 and 106 is the WHEELING POWER COMPANY general ledger.

I Removes the impact of state regulatory deferrals or their amortization from O\&M expense. applicable only for state regulatory purposes.
J General Plant and Administrative \& General expenses, other than in accounts 924, 928, and 930, will be functionalized based on the Wages \& Salaries "W/S" allocator The allocation basis for accounts 924,928 and 930 are separately presented in the formula. A change in the allocation method for an account must be approved via a 205 filing with the FERC

K These deductions on lines 91 through 93 are to remove from the cost of service the expenses recorded by the company for Postemployment Benefits Other than Pensions (PBOP). See Note M below for the recoverable PBOP expense.
$L \quad$ Expenses reported for these A\&G accounts will be included in the cost of service only to the extent they are directly assignable to transmission service. Worksheet $F$ allocates these expense items. Acct 928 Includes Regulatory Commission expenses itemized in FERC Form-1 at page 351, column H. FERC Assessment Fees and Annual Charges shall not be allocated to transmission. Only safety-related and educational advertising costs in Account 930.1 are included in the TCOS. Account 930.2 includes the expenses incurred by the transmission function for Associated Business Development revenues given as a credit to the TCOS on Worksheet E .

M See note K above. Per the settlement in Docket ER08-1329, recoverable PBOP expense is based on an annual total for the operating companies that is ratioed to them based on the total of actual annual PBOP costs, including charges from the AEP Service Corportation. The calculation of the recoverable amount for each company is shown on Worksheet O, and the process for updatina the annual total is documented on Attachment F. Allowable PBOP Expense Formula

N Includes only FICA, unemployment, highway, property and other assessments charged in the current year. Gross receipts, sales \& use and taxes related to income are excluded
O The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and $p=$
the percentage of federal income tax deductible for state income taxes. See Worksheet $G$ for the development of the Company's composite SIT
A utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f)
(In 130 ) multiplied by (1/1-T). If the applicable tax rates are zero enter 0 .
FIT $=$

| SIT $=$ | $6.50 \%$ | (State Income Tax Rate or Composite SIT. Worksheet G)) |
| :--- | :--- | :--- |
| $\mathrm{p}=$ | $0.00 \%$ | (percent of federal income tax deductible for state purposes) |

P Removes plant excluded from the OATT because it does not meet the PJM's definition of Transmission Facilities or is otherwise ineligible to be recovered under the OATT.
Q Removes transmission plant (e.g. step-up transformers) included in the development of OATT ancillary service rates and not already removed for reasons indicated in Note $P$
R Includes functional wages \& salaries billed by AEP Service Corporation for support of the operating company,
S Long Term Debt cost rate = long-term interest (ln 153) / long term debt (In 162). Preferred Stock cost rate = preferred dividends (ln 154) / preferred outstanding (ln 163). Common Stock cost rate (ROE) $=11.49 \%$, the rate accepted by FERC in Docket No. ER08-1329. It includes an additional 50 basis points for PJM RTO membership. Interest expense for the true-up WACC is based on actual expenses for the true-up year. The amount of eligible hedging gains or losses included in total interest expense is limited to five basis points of the true-up capital structure. Details and calculations of the true-up weighted average cost of capital are shown on Workshee M. Eligible Hedging Gains and Losses are defined in the Formula Protocols in the tariff, and on Worksheet M.

T This note only applies to Indiana Michigan Power Company
U Per Settlement, equity for WHEELING POWER COMPANY is limited to $100 \%$ of Capital Structure. If the percentage of equity exceeds the cap, the excess is included in weighted percentage of long term debt in the capital structure. During the period ended December 31, 2011 the equity cap is in effect. During this period, a change in the cap percentage must be approved via a 205 filing with the FERC

|  | (A) | (B) | (C) | (D) | (E) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Line |  |  |  |  |  |
| Number | Rate Base Item \& Supporting Balance | Source of Data | 31, 2014 | 3alance (1, 2013 | for 2014 |

NOTE: Functional ARO investment and accumulated depreciation balances shown below are included in the total functional balances shown here.


| 12 | Production Accumulated Depreciation | FF1, page 219, Ins 20-24, Col. (b) | - | - | - |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13 | Production ARO Accumulated Depreciation | Company Records - Note 1 | - | - | - |
| 14 | Transmission Accumulated Depreciation | FF1, page 219, In 25, Col. (b) | 25,247,531 | 22,705,252 | 23,976,392 |
| 15 | Transmission ARO Accumulated Depreciation | Company Records - Note 1 | - | - | - |
| 16 | Distribution Accumulated Depreciation | FF1, page 219, In 26, Col. (b) | 41,087,683 | 39,195,741 | 40,141,712 |
| 17 | Distribution ARO Accumulated Depreciation | Company Records - Note 1 | - | - | - |
| 18 | General Accumulated Depreciation | FF1, page 219, In 28, Col. (b) | 2,639,297 | 2,488,016 | 2,563,657 |
| 19 | General ARO Accumulated Depreciation | Company Records - Note 1 | 20,060 | 19,225 | 19,642 |
| 20 | Intangible Accumulated Amortization | FF1, page 200, In 21, Col. (b) | 1,254,725 | 679,470 | 967,098 |
| 21 | Total Accumulated Depreciation or Amortization | (Sum of Lines: 14, 12, 16, 18, 20) | 70,229,236 | 65,068,479 | 67,648,858 |
| 22 | Total ARO Balance (included in total on line 21) | (Sum of Lines: 15, 13, 17, 19) | 20,060 | 19,225 | 19,642 |



| 29 | Plant Held For Future Use | FF1, page 214, In 47, Col. (d) | - | - |
| :---: | :---: | :---: | :---: | :---: |
| 30 | Transmission Plant Held For Future | Company Records - Note 1 | - | - |


| Regulatory Assets and Liabilities Approved for Recovery In Ratebase |  |
| :--- | :--- |
|  | Note: Regulatory Assets \& Liabilities can only be included in ratebase pursuant to a 205 filing with the FERC. |
| 31 |  |
| 32 |  |
| 33 |  |
| 34 |  |
| 35 | Total Regulatory Deferrals Included in Ratebase |

NOTE 1 On this worksheet, "Company Records" refers to AEP's property accounting ledger
NOTE: The ratebase should not include the unamoritzed balance of hedging gains or losses.

## AEP East Companies

Cost of Service Formula Rate Using 2014 FF1 Balances Worksheet B Supporting ADIT and ITC Balances WHEELING POWER COMPANY

|  | (A) | (B) | (C) | (D) | (E) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Line } \\ & \text { Number } \end{aligned}$ | Description | Source | $\frac{\text { Balance @ December 31, }}{\underline{2014}}$ | $\frac{\text { Balance @ December 31, }}{\underline{2013}}$ | $\frac{\text { Average Balance }}{\text { for } 2014}$ |
| 1 | Account 281 |  |  |  |  |
| 2 | Year End Utility Deferrals | FF1, p. 272-273, In 8, Col. (k) | - | - |  |
| 3 | Less: ARO Related Deferrals | Company Records - Note 1 |  |  | - |
| 4 | Less: Other Excluded Deferrals | Company Records - Note 1 | - | - | - |
| 5 | Transmission Related Deferrals | Ln $2-\ln 3-\ln 4$ |  | - |  |
| 6 | Account 282 |  |  |  |  |
| 7 | Year End Utility Deferrals | FF1, p. 274-275, In 5, Col. (k) | 41,426,980 | 36,689,922 | 39,058,451 |
| 8 | Less: ARO Related Deferrals | Company Records - Note 1 | $(1,870)$ | $(1,578)$ | $(1,724)$ |
| 9 | Less: Other Excluded Deferrals | Company Records - Note 1 | 20,309,855 | 16,811,643 | 18,560,749 |
| 10 | Transmission Related Deferrals | $\operatorname{Ln} 7-\ln 8-\ln 9$ | 21,118,995 | 19,879,857 | 20,499,426 |
| 11 | Account 283 |  |  |  |  |
| 12 | Year End Utility Deferrals | FF1, p. 276-277, In 9, Col. (k) | 4,879,214 | 3,942,834 | 4,411,024 |
| 13 | Less: ARO Related Deferrals | Company Records - Note 1 | 0 | 0 | - |
| 14 | Less: Other Excluded Deferrals | Company Records - Note 1 | 4,440,108 | 3,620,980 | 4,030,544 |
| 15 | Transmission Related Deferrals | Ln $12-\ln 13-\ln 14$ | 439,106 | 321,854 | 380,480 |
| 16 | Account 190 |  |  |  |  |
| 17 | Year End Utility Deferrals | FF1, p. 234, In 8, Col. (c) | 2,891,810 | 2,796,633 | 2,844,222 |
| 18 | Less: ARO Related Deferrals | Company Records - Note 1 | 45,584 | 42,850 | 44,217 |
| 19 | Less: Other Excluded Deferrals | Company Records - Note 1 | 1,911,207 | 1,981,174 | 1,946,191 |
| 20 | Transmission Related Deferrals | Ln $17-\ln 18-\ln 19$ | 935,019 | 772,609 | 853,814 |
| 21 | Account 255 |  |  |  |  |
| 22 | Year End ITC Balances | FF1, p. 266-267, In 8, Col. (h) | 3,159 | 10,622 | 6,891 |
| 23 | Less: Balances Not Qualified for Ratebase | Company Records - Note 1 | 0 | 0 | - |
| 24 | ITC Balances Includeable Ratebase | Ln 22 - In 23 | 3,159 | 10,622 | 6,891 |
| 25 | Transmission Related Deferrals | Company Records - Note 1 | 1,056 | 3,511 | 2,284 |

NOTE 1 On this worksheet, "Company Records" refers to AEP's tax accounting ledger.
NOTE 2 ADIT balances should exclude balances related to hedging activity.

Cost of Service Formula Rate Using 2014 FF1 Balances Worksheet C Supporting Working Capital Rate Base Adjustments WHEELING POWER COMPANY
(A)
(B)
(C)
(D)
(E)
(F)
(G)
(H)
(I)

## Materials \& Supplies

| Line <br> Number |  |
| :---: | :--- |
| 1 |  |
| 2 | Transmission Materials \& Supplies |
| 3 | General Materials \& Supplies |
| 4 | Stores Expense (Undistributed) |
|  |  |
|  |  |
| 5 | Totals as of December 31, 2014 <br> 6 |
| 7 | Totals as of December 31, 2013 <br> Average Balance |
| 8 |  |


|  | Balance @ December 31, | Balance @ Decemb |
| :---: | :---: | :---: |
| Source | $\underline{2014}$ | 31, 2013 |
| FF1, p. 227, In 8, Col. (c) \& (b) | 2,545 | 1,3 |
| FF1, p. 227, In 11, Col. (c) \& (b) | 544 | 3,8 |
| FF1, p. 227, In 16, Col. (c) \& (b) | 0 |  |


| Prepayment Balance Summary |  |  | TransmissionPlantRelated | TransmissionLaborRelated | Total Included in Ratebase (E) $+(\mathrm{F})+(\mathrm{G})$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Average of YE Balance | Excludable Balances | $\begin{gathered} 100 \% \\ \text { Transmission } \\ \text { Related } \end{gathered}$ |  |  |  |
| 503,460 | $(7,328,077)$ | 0 | 140,627 | 7,690,910 | 7,831,537 |
| 454,484 | $(7,211,920)$ |  | 144,950 | 7,521,454 | 7,666,404 |
| 478,972 | $(7,269,999)$ |  | 142,788 | 7,606,182 | 7,748,970 |


| Prepayments Account 165 - Balance @ 12/31/2014 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9 | Acc. No. | Description | $\begin{aligned} & 2014 \\ & \text { YE Balance } \end{aligned}$ | Excludable Balances | $100 \%$ Transmission Related | Transmission Plant Related | Transmission Labor Related | Total Included in Ratebase (E) + (F) + (G) | Explanation |
| 10 | 1650001 | Prepaid Insurance | 46,982 |  |  | 46,982 |  | 46,982 | Plant Related Insurance Policies |
| 11 | 165000214 | Prepaid Taxes | 362,833 | 362,833 |  |  |  | - | Prepaid Taxes-Distribution |
| 12 | 1650010 | Prepaid Pension Benefits | 7,305,843 |  |  |  | 7,305,843 | 7,305,843 | Prefunded Pension Expense |
| 13 | 1650014 | FAS 158 Qual Contra Asset | $(7,305,843)$ | (7,305,843) |  |  |  |  | SFAS 158 Offset |
| 14 | 1650016 | FAS 112 ASSETS | 0 |  |  |  | - | - |  |
| 15 | 1650021 | Prepaid Insurance - EIS | 93,645 |  |  | 93,645 |  | 93,645 |  |
| 16 | 1650035 | PRW without Med-D Benefits | $(374,282)$ |  |  |  | $(374,282)$ | $(374,282)$ |  |
| 17 | 1650036 | PRW for Med-D Benefits | 759,349 |  |  |  | 759,349 | 759,349 |  |
| 18 | 1650037 | FAS 158 Contra-PRW Exc Med | (385,067) | $(385,067)$ |  |  |  |  | SFAS 158 Offset |
|  |  | Subtotal - Form 1, p 111.57.c | 503,460 | $(7,328,077)$ |  | 140,627 | 7,690,910 | 7,831,537 |  |


| Prepayments Account 165 - Balance @ 12/31/ 2013 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19 | Acc. No. | Description | $\begin{gathered} 2013 \\ \text { YE Balance } \end{gathered}$ | Excludable Balances | $\begin{gathered} 100 \% \\ \text { Transmission } \\ \text { Related } \end{gathered}$ | Transmission Plant Related | Transmission Labor Red <br> Related | Total Included in Ratebase (E) + ( F$)+(\mathrm{G})$ | Explanation |
| 20 | 1650001 | Prepaid Insurance | 42,064 |  |  | 42,064 |  | 42,064 | Plant Related Insurance Policies |
| 21 | 165000213 | Prepaid Taxes | 309,534 | 309,534 |  | 0 |  | - | Prepaid Taxes-Distribution |
| 22 | 1650010 | Prepaid Pension Benefits | 7,521,454 |  |  |  | 7,521,454 | 7,521,454 | Prefunded Pension Expense |
| 23 | 1650014 | FAS 158 Qual Contra Asset | $(7,521,454)$ | $(7,521,454)$ |  |  |  | - | SFAS 158 Offset |
| 24 | 1650016 | FAS 112 ASSETS | 0 | 0 |  |  |  |  |  |
| 25 | 1650021 | Prepaid Insurance - EIS | 102,886 |  |  | 102,886 |  | 102,886 |  |
|  |  | Subtotal - Form 1, p 111.57.d | 454,484 | $(7,211,920)$ |  | 144,950 | 7,521,454 | 7,666,404 |  |

## AEP East Companies

# Cost of Service Formula Rate Using 2014 FF1 Balances <br> Worksheet D Supporting IPP Credits WHEELING POWER COMPANY 

Line
Number
(A)(B)
Description ..... $\underline{2014}$
1 Net Funds from IPP Customers 12/31/2013 (2014 FORM 1, P269, line 24.b)
2 Interest Accrual (Company Records - Note 1)
3 Revenue Credits to Generators (Company Records - Note 1)
4 Other Adjustments
5 Accounting Adjustment (Company Records - Note 1)6
7 Net Funds from IPP Customers 12/31/2014 (2014 FORM 1, P269, line 24.f)
8 Average Balance for Year as Indicated in Column $((\ln 1+\ln 7) / 2)$
Note 1 On this worksheet Company Records refers to WHEELING POWER COMPANY's general ledger.

Worksheet E Supporting Revenue Credits WHEELING POWER COMPANY

| Line |  | Total | Non- |  |
| :---: | :---: | :---: | :---: | :---: |
| Number | Description | Company | Transmission | Transmission |
| 1 | Account 450, Forfeited Discounts (FF1 p.300.16.(b); Company Records - Note 1) | 152,240 | 152,240 | - |
| 2 | Account 451,Miscellaneous Service Revenues (FF1 p.300.17.(b); Company Records - Note 1) | 8,839 | 8,839 | - |
| 3 | Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1) | 592,230 | 513,588 | 78,641 |
| 4 | Account 4560015, Associated Business Development - (Company Records - Note 1) | 15,000 | 15,000 | - |
| 5 | Account 456-Other Electric Revenues - (Company Records - Note 1) | 19,209,320 | 17,797,532 | 1,411,788 |
| 6 | Subtotal - Other Operating Revenues (Company Total equals (FF1 p. 300.26.(b)) | 19,977,628 | 18,487,199 | 1,490,429 |
| 7 | Accounts 4470004 \& 5, Revenues from Grandfathered Transmission Contracts (Company Records - Note 1) | - | ${ }^{-}$ | - |
| 8 | Total Other Operating Revenues To Reduce Revenue Requirement | 19,977,628 | 18,487,199 | 1,490,429 |

Note 1 The total company data on this worksheet comes from the indicated FF1 source, or WHEELING POWER COMPANY's general ledger. The functional amounts identified as transmission revenue also come from the general ledger.

AEP East Companies
Cost of Service Formula Rate Using 2014 FF1 Balances
Worksheet F Supporting Allocation of Specific O\&M or A\&G Expenses WHEELING POWER COMPANY


## AEP East Companies

Cost of Service Formula Rate Using 2014 FF1 Balances
Worksheet G Supporting - Development of Composite State Income Tax Rate WHEELING POWER COMPANY

West Virginia Corporate Income Tax
Apportionment Factor - Note 2
Effective State Tax Rate
State Income Tax Rate - Ohio
Phase-out Factor Note 1
Apportionment Factor - Note 2
Effective State Tax Rate
6.50\%
99.95\%
6.50\%
0.00\%
0.00\%
0.00\%
0.00\%

Total Effective State Income Tax Rate
$6.50 \%$

Note 1
The Ohio State Income Tax is being phased-out prorata over a 5 year period from 2005 through 2009. The taxable portion of income is $20 \%$ in 2009. The phase-out factors can be found in the Ohio Revised Code at 5733.01(G)2(a)(v). This tax has been replaced with a Commercial Activites Tax that is included in Schedule H and $\mathrm{H}-1$.
Note 2 Apportionment Factors are determined as part of the Company's annual tax return for that jurisdiction.

AEP East Companies
Cost of Service Formula Rate Using 2014 FF1 Balances
Worksheet H Supporting Taxes Other than Income WHEELING POWER COMPANY


## AEP East Companies

Cost of Service Formula Rate Using 2014 FF1 Balances
Worksheet H-1 Form 1 Source Reference of Company Amounts on WS H WHEELING POWER COMPANY
(A)
(B)
(C)
(D)

| Line No. | Annual Tax Expenses by Type (Note 1) | Total Company | FERC FORM 1 <br> Tie-Back | FERC FORM 1 Reference |
| :---: | :---: | :---: | :---: | :---: |
| 1 | Revenue Taxes |  |  |  |
| 2 | Gross Receipts Tax | 5,278,062 | 5,278,062 | P. 263 In 28 (i) |
| 3 | Real Estate and Personal Property Taxes |  |  |  |
| 4 | Real and Personal Property - West Virginia | 2,128,588 | $\begin{array}{r} 958,174 \\ 1,166,910 \\ 1,903 \\ 1,601 \end{array}$ | $\begin{aligned} & \text { P. } 263 \text { In } 17 \text { (i) } \\ & \text { P. } 263 \text { In } 18 \text { (i) } \\ & \text { P. } 263 \text { In } 22 \text { (i) } \\ & \text { P. } 263 \text { In } 23 \text { (i) } \end{aligned}$ |
| 5 | Real and Personal Property - Ohio | - |  |  |
| 6 | Payroll Taxes |  |  |  |
| 7 | Federal Insurance Contribution (FICA ) | 188,610 |  |  |
|  |  |  | 188,610 | P. 263 In 4 (i) |
| 8 | Federal Unemployment Tax | 1,633 |  |  |
|  |  |  | 1,633 | P. 263 In 5 (i) |
| 9 | State Unemployment Insurance | 6,597 | 6,597 | P. 263 ln 29 (i) |
| 10 | Production Taxes |  |  |  |
| 11 | State Severance Taxes | - |  |  |
| 12 | Miscellaneous Taxes |  |  |  |
| 13 | Muni Business \& Occupation Tax | 2,004,840 |  |  |
|  |  |  | 2,004,840 | P. 263 ln 38 (i) |
| 14 | State Public Service Commission Fees | 752,060 | $\begin{aligned} & 314,878 \\ & 437,182 \end{aligned}$ | $\begin{aligned} & \text { P. } 263 \ln 30 \text { (i) } \\ & \text { P. } 263 \ln 31 \text { (i) } \end{aligned}$ |
| 15 | State Franchise Taxes | $(1,055)$ |  |  |
|  |  |  | $\begin{gathered} (1,137) \\ 82 \end{gathered}$ | $\begin{aligned} & \text { P. } 263 \text { In } 15 \text { (i) } \\ & \text { P. } 263 \text { In } 16 \text { (i) } \end{aligned}$ |
| 16 | State Lic/Registration Fee | 55 | $\begin{aligned} & 25 \\ & 30 \end{aligned}$ | $\begin{aligned} & \text { P. } 263 \ln 32 \text { (i) } \\ & \text { P. } 263 \ln 40 \text { (i) } \end{aligned}$ |
| 17 | Misc. State and Local Tax | - |  |  |
| 18 | Sales \& Use | - | - | P. 263 ln 35 (i) |
| 19 | Federal Excise Tax | - |  |  |
| 20 | Michigan Single Business Tax | - |  |  |
| 21 | Total Taxes by Allocable Basis <br> (Total Company Amount Ties to FFI p.114, Ln 14,(c)) | 10,359,390 | 10,359,390 |  |

Note 1: The taxes assessed on each operating company can differ from year to year and between operating companies by both the type of taxes and the states in which they were assessed. Therefore, for each company, the types and jurisdictions of tax expense recorded on this page could differ from the same page in the same company's prior year template or from this page in other operating companies' current year templates. For each update, this sheet will be revised to ensure that the total activity recorded hereon equals the total reported in account 408.1 on $P$. 114 , Ln 14 of the Ferc Form 1

## AEP East Companies

## Cost of Service Formula Rate Using 2014 FF1 Balances Worksheet I Supporting Transmission Plant in Service Additions WHEELING POWER COMPANY <br> (A) (B) <br> (c) <br> (D) <br> (E) <br> (F) <br> (G) <br> (H)

(I)

## I. Calculation of Composite Depreciation Rate

| 1 | Transmission Plant @ Beginning of Historic Period (2014) (P.206, In 58,(b)): | $112,649,133$ |
| :--- | :--- | ---: |
| 2 | Transmission Plant @ End of Historic Period (2014) (P.207, In 58,(g)): | $117,263,595$ |
|  |  | $229,912,728$ |
| 4 | Average Balance of Transmission Investment | $114,956,364$ |
| 5 | Annual Depreciation Expense, Historic TCOS, In 276 | $2,971,841$ |
| 6 | Composite Depreciation Rate | $2.59 \%$ |
| 7 | Round to 2.59\% to Reflect a Composite Life of 39 Years | $2.59 \%$ |

## II. Calculation of Property Placed in Service by Month and the Related Depreciation Expense

| 8 | Month in Service | Capitalized Balance |  | Composite Annual Depreciation Rate | Annual Depreciation |  | Monthly Depreciation |  | No. Months Depreciation | First Year Depreciation Expense |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9 | January | \$ | 373,935 | 2.59\% | \$ | 9,685 | \$ | 807 | 11 | \$ | 8,877 |
| 10 | February | \$ | 407,570 | 2.59\% | \$ | 10,556 | \$ | 880 | 10 | \$ | 8,800 |
| 11 | March | \$ | 3,396,010 | 2.59\% | \$ | 87,957 | \$ | 7,330 | 9 | \$ | 65,970 |
| 12 | April | \$ | 417,885 | 2.59\% | \$ | 10,823 | \$ | 902 | 8 | \$ | 7,216 |
| 13 | May | \$ | 4,399,280 | 2.59\% | \$ | 113,941 | \$ | 9,495 | 7 | \$ | 66,465 |
| 14 | June | \$ | 2,685,193 | 2.59\% | \$ | 69,546 | \$ | 5,796 | 6 | \$ | 34,776 |
| 15 | July | \$ | 404,024 | 2.59\% | \$ | 10,464 | \$ | 872 | 5 | \$ | 4,360 |
| 16 | August | \$ | 387,495 | 2.59\% | \$ | 10,036 | \$ | 836 | 4 | \$ | 3,344 |
| 17 | September | \$ | 389,063 | 2.59\% | \$ | 10,077 | \$ | 840 | 3 | \$ | 2,520 |
| 18 | October | \$ | 389,502 | 2.59\% | \$ | 10,088 | \$ | 841 | 2 | \$ | 1,682 |
| 19 | November | \$ | 389,580 | 2.59\% | \$ | 10,090 | \$ | 841 | 1 | \$ | 841 |
| 20 | December | \$ | 389,533 | 2.59\% | \$ | 10,089 | \$ | 841 | 0 | \$ | - |
| 21 | Investment | \$ | 14,029,070 |  |  |  |  |  | reciation Expense | \$ | 204,851 |

## III. Plant Transferred

| 22 | \$ | - | $<==$ This input area is for original cost plant |
| :---: | :---: | :---: | :---: |
| 23 | \$ | - | $<==$ This input area is for accumulated depreciation that may be associated with capital |
| 24 (Ln 7 * Ln 22) | \$ | - | expenditures. It would have an impact if a company had assets transferred from a subsidiary. <== This input area is for additional Depreciation Expense |

## IV. List of Major Projects Expected to be In-Service in 2015

|  | Estimated Cost |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | (000's) |  |  | Month in Service |
| 25 Major Zonal Projects |  |  |  |  |
| 26 T/WV/Tidd-Collier 345kV Circui |  | \$ | 3,850 | Jul-15 |
| 26 T/WP/George Washington Station |  | \$ | 3,099 | Apr-15 |
| 27 | Subtotal | \$ | 6,948 |  |
| 28 PJM Socialized/Beneficiary Allocated Regional Projects |  |  |  |  |
| 29 N/A |  |  | \$0 |  |
| 30 | Subtotal |  | \$0 |  |

AEP East Companies
Worksheet J Supporting of Service Formula a ate Using 2014 FF1 Balances
nent Billed to Benefting Zone

Page 1 of 3
I. Calculate Return and Income Taxes with basis point ROE increase for Projects Qualified
for Regional Billing
A. Determine 'R' with hypothetical basis point increase in ROE for Identified Projects

B. Determine Return using 'R' with hypothetical basis point ROE increase for Identified Projects.

PROJECTED YEAR $\qquad$ 5,699 §
Rate Basee (Projected TCos, In 78
$R$ (rom A. above)
$83,748,110$
$10.219 \%$
c. Determin Inco Taxing Retur with hypotetical basis
C. Determine Income Taxes using Return with hypothetical basis point ROE increase for Identified Projects.

${ }^{8,557,897} 57$
ITC Adiustmes Cacuation (Return x CIT)
4,945,199
II. Calculate Net Plant Carrying Charge Rate (Fixed Charge Rate or FCR) with hypothetica basis point ROE increase.
A. Determine Annual Revenue Requirement less return and Income taxes.

Return (Projected $T$ TCOS, , In 134 )
ncome
Taxes $\qquad$ 19,172,194
Annual Revenue Requirement, Less TEA Charges, Return and Taxes $\square$

$$
\begin{aligned}
& \text { 8,557,897 } \\
& \hline 4,945,99 \\
& \hline 5,690,995
\end{aligned}
$$

B. Determine Annual Revenue Requirement with hypothetical basis point increase in ROE

## Annual Reverue Requirement, Less TEA Charges, Return and Taxes Refum fforin 1.8 .above) <br> Return (riom 1.B. above) hoome Taxes (from .C. above

c. Determine FCR with hypothetical basis point ROE increase

Net Transmision Plant (Projected TCOS, in 4 )
Antual Revenue Reauitenent with Basis Point ROE increase
FCR with Basis Point increase in ROE
Annual Rev. Req, w/ Basis Point ROE increase, less Den
FCR with Basis Soint ReE inctease, less Depreciaition

III. Calculation of Composite Depreciation Rate

| Transmission Plant @ Beginning of Historic Period (2014) (P.206, In 58,(b): | 112,649,133 |
| :---: | :---: |
| mission Plant @ End of Historic Period (20) | 17,26 |
| Subtotal | 229,912,728 |
| Average Transmission Plant Balance for 2014 | 114,956,364 |
| Annual Depreciaioion Rate (Projected TCos, In 111) | 2,971 |
| mposite Depreciaioo Rai | \% |
| apreciale Life for Composite Depres | 68 |
| sund to nearest whole year |  |

## IV. Determine the Revenue Requirement, and Additional Revenue Requirement for facilities receiving incentive

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No. (e.g. ER05-925-000)
Project Description: RTEP ID: b1864.1 (Two additional 3451138 kV transformers at Kammer)


Current Projected Year ARR current Projected Year ARR w Incentive
Current projected Year Incentive AR

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:




* This is the total amount that needs to be reported to PJM for billing to all regions.
\#\# This is the calculation of additional incentive revenue on projects deemed by the FERC to be eligible for an incentive return. This additional incentive requirement is applicable for the iife of this specific project. Each year the revenu
should be incremented by the amount of the incentive revenue calculated for that year on this project.



## V. Determine the Revenue Requirement, and Additional Revenue Requirement for facilities receiving incentive

## A. Base Plan Facilities

Faciilities receiving incentives accepted by FERC in Docket No.
Project Description: RTEP ID: b1864.2 (West Bellaire-Brues 138 ky Circui)

| Current Projected Y Yar ARR |  |
| :--- | ---: |
| Current Proected Year AR w Incentive | 58,699 |
| Current Projected Year Year Incentive ARR |  |



CUMULATVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:
NPUT PROJECTED ARR (WITH W WITHOUT INCENTVES) FROM EACH PRIOR YEAR
TEMPLATE BELOW TO MAINAIN HISTORY OF PROJECTED ARRS OVER THE Sencice Mo
Sentul life
Usin
 -

| Year | Balance | Expense | Balance | wlo incentives | with Incentives ${ }^{\text {+m }}$ | Requirement\#\# |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }_{2014}^{2013}$ | 340,288 <br> 338834 | 1,454 8.725 8 | $\xrightarrow{3388,834}$ | 54,141 60,055.46 | 54,141 <br> 60.055 | \$ |
| ${ }_{2015}^{2014}$ | ${ }_{3}^{330,108}$ | 8,725 | ${ }_{321,383}^{330,188}$ | 60,05.469 | 50,699 <br> 80 | \$ |
| 2016 | 321,383 | 8,725 | 312,658 | 57,342 | 57,342 | \$ |
|  | 312,658 | 8,725 <br> 88725 | 303,932 <br> 295207 <br> 202 | 55,985 | ${ }^{55,985}$ | \$ |
| ${ }_{2019}^{2018}$ | ${ }^{395,207}$ | ${ }_{\substack{8,725 \\ 8,725}}^{8,785}$ | ${ }_{286,482}^{295,202}$ | ${ }_{\substack{54,282 \\ 53,272}}^{5}$ | ¢54,272 | \$ |
| ${ }_{2021}^{2020}$ | $\begin{array}{r}286,482 \\ 277756 \\ \hline 206\end{array}$ | 8,725 <br> 88725 <br> 8 | ${ }_{2}^{277,756}$ | 51,915 <br> 50,558 | 51,915 <br> 50,558 | \$ |
| ${ }_{2022}^{2021}$ | ${ }_{2}^{277,756}$ | ¢8,725 <br> 8,725 | 2690,031 <br> 260,36 | ${ }_{4}^{50,202}$ | ${ }_{4}^{50,2028}$ | \$ |
| 2023 2024 | 260,306 <br> 251,580 |  | 251,580 <br> 242,855 | 47,845 <br> 46,488 | 47,845 46,488 | s |


** This is the total amount that needs to be reported to PJM for biling to al regions.
ive return. This
calculated for PJM
aditional incentive requirement is applicable for the life of this specific project. Each year the reven
hould be incremented by the amount of the incentive revenue calculated tor that year on this project.
In order to calculate the proper monthly RTEP biling amount PJM requires a 12 monht revenue requirement for each
goes int senvice has been annualied (Shown at the full-year level) so that PJM will collect the correct monthy bilings
I. Calculate Return and Income Taxes with $\mathbf{0}$ basis point ROE increase for Projects Qualified for Regional Billing.
A. Determine ' R ' with hypothetical 0 basis point increase in ROE for Identified Projects

ROE w/ incentives (TTue-Up TCOS, In 164)
Project ROE Incentive Adder Project ROE Incentive Adder
ROE with additional $\begin{array}{ll}\text { ROE with addititional } 0 \text { basis point incentive } & 11.49 \% \ll=\text { ROE Adder Cannot Exceed } 100 \text { Basis Points } \\ \text { Determine } R \text { (cost of long term debt. cost } 0 \text { of }\end{array}$


B. Determine Return using 'R' with hypothetical 0 basis point ROE increase for Identified Projects.
Rate Base (True-Up TCOS, In 78)
72,477,993
${ }^{\mathrm{R}} \mathrm{R}^{\text {(from } \mathrm{A} . \text { above) }}$
$12,321 \%$
$7,480,641$
C. Determine Income Taxes using Return with hypothetical 0 basis point ROE increase for Identified Projects.

| Retur (from B. above) | $7,480,641$ |
| :--- | :--- |
| Eftective Trax Rate (TTue-Up TCos, In 126) | 58,39\% |
| Income Tax Calculation (Return $\times$ CIT) | $4,368,128$ |
| ITC Adjustment | $4,368,128$ |

ITC Adjustment
I. Calculate Net Plant Carrying Charge Rate (Fixed Charge Rate or FCR) with hypothetical 0 basis point ROE increase
A. Determine Annual Revenue Requirement less return and Income Taxes.

17,315,430

| $7,480,641$ |
| :--- |
| $4 ., 36,128$ |
| 5 |

Return (True-Up TCOS, (n 134 )
ncome Taxes (TTue-Up TCOS, In 133)
Annual Reverue (re-uiriement, Less TEA

Charges, Return and Taxes
B. Determine Annual Revenue Requirement with hypothetical 0 basis point increase in ROE
 $\qquad$


Anuaar Rev. Req, w/ 0 Basis Point ROE
increase, less Deppeciaition
C. Determine FCR with hypothe
C. Determine $\operatorname{FCR}$ with hypothetical 0 basis point ROE increase.

Net Transmission Plent (True-Up TCOS, In 48)
Annual Revenue Requirement with O Basis Point ROE increase
FCR with
90,979,973
$17,315,430$
Annua Revenue Requirement, with 0 Ba
FCR with 0 Basis
Annual Rev. Rea, w/o Basis Point ROE increase, less Dep.
FCR with 0 Basis Point ROE increase, less Depreciation

FCR less Depreciation ( (True-Up TCOS, In
ncremental CR w with O Basis Point ROE
17, 13.035
19.030
$14,343,589$
$15.77 \%$
increase, less Depreciation
Calculation of Composite Depreciation Rate
Transmision Plant @ Beginning of Historic Period 0) (P.206, , In 58,(b)):
Transmission Plant @ End of Historicic Period 0 ( P.207, 1588 (g)):
Subtotal
Average Transmission Plant Balance for
Anual Depreciation Rate (True-Up TCOS, In 111)
Composite Depreciation Rate
Depreciable Lite to Composit
Round to nearest whole year
Depreciation Rate

IV. Determine the Revenue Requirement, and Additional Revenue Requirement for facilities receiving incentives.

## A. Base Plan Facilities <br> Facilities receiving incentives accepted by FERC in Docket No. (e.ge ER05-925-000)

Project Description: RTEP ID: b1864.1 (Two additional 3451388 kV transformers at Kammer)


*This is the total amount that needs to be reported to PJM for biling to all regions
dditional incentive requirement is applicable for the life of this specitic pro
addititonal incentive requirement is applicable of the life of this speciitic project. Each year the revenut
should be incremented by the amount of the incentive revenue calculated for that year on this project.


| Details |  |  |  |
| :---: | :---: | :---: | :---: |
| Investment | 286,601 | Curent Year | 2014 |
| Service Year (ysys) | 2013 | ROE increase accepted by FERC (Basis Points) |  |
| Service Montt ( $1-12$ ) | 10 | FCR w/o incentives, less depreciation | 15.77\% |
| Usefill life Clac (Yes or No) | $\stackrel{39}{\text { No }}$ | FCR wincentives approved for these facilities, less dep. | $\underset{\substack{15.779 \% \\ 7349}}{ }$ |

 INPUT TRUE-UP ARR (WITH \& WITHOUT INCENTVES FROM EACH PRIOR YEAR
TEMPLATE BELOW TO MAINTAIN HISTORY OF TRUED.UP ARRS OVER THE

|  | diected | RTEP Rev Req't True-up and | RTEP Projected Rev. Req't.From Prior Year WS J with Incentives ** | RTEP Rev Req't <br> True-up with Incentives ** | True-up of Incentive with Incentives ** |
| :---: | :---: | :---: | :---: | :---: | :---: |
| \$ | 44,166 | 2,147 | 44,166 | \$ 2,147 | \$ |
|  | 33,234 | 18,527 | 33,234 | \$ 18,527 | \$ |
|  |  | \$ |  | \$ | \$ |
|  |  | \$ - |  | \$ - | \$ - |
|  |  | \$ : |  | \$ | \$ - |
|  |  | \$ - |  | \$ - | \$ - |
|  |  | \$ - |  | \$ - | \$ - |
|  |  | \$ - |  | \$ | \$ |
|  |  | \$ - |  | \$ | \$ - |
|  |  | \$ |  | \$ : | \$ |
|  |  | \$ - |  | \$ - | \$ - |
|  |  | \$ : |  | \$ - | ${ }_{\$}^{\$}$ |
|  |  | \$ - |  | \$ - | \$ - |
|  |  | \$ |  | \$ | \$ |
|  |  | \$ : |  | \$ | \$ |
|  |  | \$ - |  | \$ | \$ - |
|  |  | \$ - |  | \$ - | \$ |
|  |  | \$ |  | \$ | ${ }_{\text {\$ }}^{\text {\$ }}$ |
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|  |  | \$ - |  | \$ - | \$ |
|  |  | \$ : |  | \$ ${ }_{\text {\$ }}$ | \$ |
|  |  | \$ - |  | \$ - | \$ |
|  |  | \$ - |  | \$ - | \$ |
|  |  | \$ |  | \$ | ${ }_{\text {\$ }}^{\text {\$ }}$ |
|  |  | \$ - |  | \$ - | \$ |
|  |  | \$ |  | \$ | \$ |
|  |  | \$ - |  | \$ - | \$ |
|  |  | \$ - |  | \$ | \$ |
|  |  | \$ |  | \$ | \$ |
|  |  | \$ - |  | \$ - | \$ |
|  |  | \$ |  | \$ | \$ |
|  |  | \$ - |  | \$ | \$ |
|  |  | s |  | \$ - | \$ |

- This is the total amount that needs to be reported to PJM for biling to all regions.
uirement calculated for PJM



## Calculation of Projected Interest Expense Based on Outstanding Debt at Year End



# Worksheet M Supporting Calculation of Capital Structure and Weighted Average Cost of Capital Based on Average of Balances At 12/31/2013 \& 12/31/2014 



Development of Cost of Long Term Debt Based on Average Outstanding Balance

6 Bonds (112.18.c\&d)
7 Less: Reacquired Bonds (112.19.c\&d)
8 LT Advances from Assoc. Companies (112.20.c\&d)
9 Senior Unsecured Notes (112.21.c\&d)
10 Less: Fair Value Hedges (See Note on Ln 12 below)
11 Total Average Debt
12 NOTE: The balance of fair value hedges on outstanding long term debt are to be excluded from the balance of long term debt included in the formula's capital structure. (Column H of the FF1)
13 Annual Interest Expense for 2014
14 Interest on Long Term Debt (256-257.33.i)
15 Less: Total Hedge Gain/Expense Accumulated from p 256-257, col. (i) of FERC
15 Form 1 included in Ln 14 and shown in Ln 34 below.
16 Plus: Allowed Hedge Recovery From Ln 39 below.
17 Amort of Debt Discount \& Expense (117.63.c)
18 Amort of Loss on Reacquired Debt (117.64.c)
19 Less: Amort of Premium on Debt (117.65.c)
20 Less: Amort of Gain on Reacquired Debt (117.66.c)
21 Total Interest Expense (Ln 14 + Ln 17 + Ln 18 - Ln $19-\operatorname{Ln} 20) \quad-\quad \mathbf{1 , 3 1 2 , 5 0 0}$
22 Average Cost of Debt for 2014 (Ln 21/Ln 11)

| 0 | 0 | 0 |
| ---: | ---: | ---: |
| 0 | 0 | 0 |
| $25,000,000$ | $25,000,000$ | 0 |
| 0 | 0 | 0 |
| 0 | $25,000,000$ |  |
| $25,000,000$ | $25,000,000$ | $\mathbf{2 5 , 0 0 0}, \mathbf{0 0 0}$ |

## CALCULATION OF RECOVERABLE HEDGE GAINS/LOSSES

23 NOTE: The net amount of hedging gains or losses recorded in account 427 to be recovered in this formula rate should be limited to the effective portion of pre-issuance cash flow hedges that are amortized over the life of the underlying debt issuances. The recovery of a net loss or passback of a net gain will be limited to five basis points of the total Capital Structure. Amounts related to the ineffective portion of pre-issuance hedges, cash settlements of fair value hedges issued on Long Term Debt, post-issuance cash flow hedges, and cash flow hedges of variable rate debt issuances are not recoverable in this formula and are to be recorded in the "Excludable" column below.


## Development of Cost of Preferred Stock

| Preferred Stock |  |  |  |  | Average |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 40 0\% Series - 0 - Dividend Rate (p. 250-251. 7 \& 10.a) |  | 0.00\% |  | 0.00\% |  |  |
| $410 \%$ Series - 0 - Par Value (p. 250-251. 8.c) | \$ | - | \$ | - |  |  |
| $420 \%$ Series - 0 - Shares O/S (p.250-251. 8 \& 11.e) |  | - |  | - |  |  |
| $430 \%$ Series - 0 - Monetary Value (Ln 41 * Ln 42) |  | - |  | - |  |  |
| 44 0\% Series - 0 - Dividend Amount (Ln 40 * Ln 43) |  | - |  | - |  |  |
| $450 \%$ Series - - Dividend Rate (p. 250-251.a) |  |  |  |  |  |  |
| $460 \%$ Series - - Par Value (p. 250-251.c) |  |  |  |  |  |  |
| 47 0\% Series - - Shares O/S (p.250-251. e) |  |  |  |  |  |  |
| $480 \%$ Series - - Monetary Value (Ln 46 * Ln 47) |  | - |  | - |  | - |
| 49 0\% Series - - Dividend Amount (Ln 45 * Ln 48) |  | - |  | - |  | - |
| 50 0\% Series - - Dividend Rate (p. 250-251.a) |  |  |  |  |  |  |
| $510 \%$ Series - - Par Value (p. 250-251.c) |  |  |  |  |  |  |
| $520 \%$ Series - - Shares O/S (p.250-251.e) |  |  |  |  |  |  |
| $530 \%$ Series - - Monetary Value (Ln 51 * Ln 52) |  | - |  | - |  | - |
| 54 0\% Series - - Dividend Amount (Ln 50 * Ln 53) |  | - |  | - |  | - |
| 55 Balance of Preferred Stock (Lns 43, 48, 53) |  | - |  | - |  | - |
| 56 Dividends on Preferred Stock (Lns 44, 49, 54) |  | - |  | - |  | - |
| 57 Average Cost of Preferred Stock (Ln 56/55) |  | 0.00\% |  | 0.00\% |  |  |

## AEP East Companies

Cost of Service Formula Rate Using 2014 FF1 Balances Worksheet N - Gains (Losses) on Sales of Plant Held For Future Use WHEELING POWER COMPANY

Note: Gain or loss on plant held for future are recorded in accounts 411.6 or 411.7 respectiviely. Sales will be funtionalized based on the description of that asset. Sales of transmission assets will be direct assigned; sales of general assets will be functionalized on labor. Sales of plant held for future use related to generation or distribution will not be included in the formula.


| (H) Functionalized Proceeds (Gain) / Loss | (I) <br> FERC <br> Account |
| :---: | :---: |
| - |  |

$\qquad$

Cost of Service Formula Rate Using 2014 FF1 Balances
Worksheet O-Calculation of Postemployment Benefits Other than Pensions Expenses Allocable to Transmission Service WHEELING POWER COMPANY

## Total AEP East Operating Company PBOP Settlement Amount

$30,000,000$

## Allocation of PBOP Settlement Amount for 2014



Detail of Actual PBOP Expenses to be Removed in Cost of Service

|  | APCo | 1\&M | KPCo | KNGSPT | OPCo | WPCo | AEP East Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9 Direct Charged PBOP Expense per Actuarial Report | $(13,415,837)$ | $(10,057,152)$ | $(3,040,335)$ | $(285,159)$ | (9,435,001) | $(361,523)$ | $(36,595,007)$ |
| 10 | 395,759 | 814,185 | 252,888 | 3,649 | 114,856 | 3,709 |  |
| Additional PBOP Ledger Entries (from Company Records) |  |  |  |  |  |  |  |
| 11 Medicare Subsidy | - | - | - | - |  | - |  |
| 12 Net Company Expense ( $\operatorname{Ln} 9+\operatorname{Ln} 10+\operatorname{Ln} 11)$ | (13,020,078) | (9,242,967) | $(2,787,447)$ | $(281,510)$ | (9,320,145) | $(357,814)$ | $(35,009,962)$ |
| 13 PBOP Expenses From AEP Service Corporation (from Company Records) | $(960,629)$ | $(667,563)$ | $(238,553)$ | $(22,576)$ | $(991,712)$ | $(30,474)$ | $(2,911,507)$ |
| 14 Company PBOP Expense (Ln $12+\operatorname{Ln} 13$ ) | $(13,980,707)$ | $(9,910,530)$ | $(3,026,000)$ | $(304,086)$ | $(10,311,857)$ | $(388,288)$ | $(37,921,469)$ |

# AEP EAST COMPANIES <br> PJ M FORMULA RATE <br> WORKSHEET P - TRANSMISSION DEPRECIATION RATES <br> EFFECTIVE AS OF 1/1/2009 <br> FOR SINGLE J URISDICTION COMPANIES WHEELING POWER COMPANY 

## PLANT ACCT.

RATES
Note 1

## TRANSMISSION PLANT

| Structures \& Improvements | 352.0 | $2.70 \%$ |
| :--- | :--- | :--- |
| Station Equipment | 353.0 | $2.70 \%$ |
| Towers \& Fixtures | 354.0 | $2.70 \%$ |
| Poles \& Fixtures | 355.0 | $2.70 \%$ |
| Overhead Conductors | 356.0 | $2.70 \%$ |
| Underground Conduit | 357.0 | $2.70 \%$ |
| Underground Conductors | 358.0 | $2.70 \%$ |
| Trails \& Roads | 359.0 | $2.70 \%$ |

Note 1: Rates Approved in WV Public Service Commission Case No. PSC 90-243-E-42T.

## General Note:

Per the terms of the settlement in this case, AEP will make a 205 filing whenever a company's rates are changed by their commission(s), or if the methodology to calculate the jurisdictional allocator in multiple-state companies changes. Changes in the allocation factors will not necessitate a 205 filing.

