




## OPCo Worksheet J - ATRR PROJECTED Calculation for PJM Projects Charged to Benefiting Zones

IV. Determine the Revenue Requirement, and Additional Revenue Requirement for facilities receiving incentives.
A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.
(e.g. ERO5-925-000)

Project Description: 765 kV circuit breaker installations at Hanging Rock


|  |  |
| :--- | ---: |
| Current Projected Year ARR | $\mathbf{1 , 0 5 7 , 6 6 6}$ |
| Current Projected Year ARR w/ Incentive | $\mathbf{1 , 0 5 7 , 6 6 6}$ |
| Current Projected Year Incentive ARR |  |

Current Projected Year Incentive ARR



# Calculation of 

## Interest on Transmission Enhancement Projects in AEP Zone

 AEP Formula Rate Update -- FERC Docket ER08-132Calculation of Interest on Over or Under Collection of Transmission Enhancement Project Revenue Requirement for Period January 1 through December 31, 2012

Annual Period 2012

* Biling assumed 5 th business day, payment assumed 15 days later

Eling Montr| Billing Payment Scheft

## OPCo Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones

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

## A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

> (e.g. ER05-925-000)

Project Description: RTEP ID: B123

| Details |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Investment | $\begin{array}{r} 774,225 \\ 2012 \end{array}$ | Current Year |  |  |  |  | 201 |
| Senice Year (yyyy) |  | ROE increase accepted by FERC (Basis Points) |  |  |  |  |  |
| Serice Month (1-12) | 14 | FCR w/o incentives, less depreciationFCR w/incentives approved for these facilities, less dep. |  |  |  |  | 19.12\% |
| Useful life |  |  |  |  |  |  | 19.12\% |
| CIAC (Yes or No) | 14 4 $N$ | Annual Depreciation Expense |  |  |  |  | 17,596 |
| Investment | Beginning | Depreciation | Ending | Average | RTEP Rev. Req't. | RTEP Rev. Req't. | Incentive Rever |
| Year | Balance | Expense | Balance | Balance | w/o Incentives | with Incentives** | Requirement \#\# |
| 2012 | 774,225 | 1,466 |  |  | 149,349 | 149,34 |  |


| 2012 | Rev Require | W Incentives | Incentive Amoun |
| :---: | :---: | :---: | :---: |
| Prior Yr Projected | 832,082 | 832,082 | - |
| Prior Yr True-Up | 149,349 | 149,349 |  |
| True-Up Adjustment | (682,733) | (682,733) |  |

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR
CUMULATVE HISTORY OF TRUED-UP ANNUAL REVENUE REQUIREMENTS:
INPUT TRUE-UP ARR (WITH \& WITHOUT INCENTVES) FROM EACH PRIOR YEAR INPUT TRUE-UP ARR (WITH \& WITHOUT INCENTVES) FROM EACH PRIOR YEAR

THE PROJE
RTEP Projected Rev.
Req't.

| $\begin{array}{c}\text { RTEP Projected Rev. } \\ \text { Req't.From Prior Year } \\ \text { WS } J \\ \text { w/o Incentives }\end{array}$ | $\begin{array}{c}\text { RTEP Rev Req't } \\ \text { True-up } \\ \text { w/o Incentives }\end{array}$ |
| :---: | :---: | | True-up |
| :---: |
| Io Incentives |
| $(682.733)$ |



## OPCo Worksheet J - ATRR PROJECTED Calculation for PJM Projects Charged to Benefiting Zones

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

## A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.
Project Description: WAPAKONETA-W MOULTON G9KV LINE

| Details |  |  |  |  |  | 2012 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Investment | 4,486,000 |  |  |  |  |  |
| Service Year (yyyy) |  | Current Year ROE increase accepted by FERC (Basis Points) |  |  |  |  |
| Service Month (1-12) | 2012 12 45 | ROE increase accepted by FERC (Basis Points)FCR w/o incentives, less depreciation |  |  |  |  |
| Useful life | 12 45 | FCR w/incentives approved for these facilities, less dep. |  |  |  | 18.55\% |
| CIAC (Yes or No) | No | Annual Depreciatio |  |  |  | 99,689 |
| Investment |  |  |  | RTEP Rev, Req't. |  | Incentive Rev. |
| Year | Balance | Expense | Balance | w/o Incentives | with Incentives** | Requirement \#\# |
|  | 4,486,000 |  | 4,486 | 832,082 | 832,082 |  |



## Calculation of




## OPCo Worksheet J-ATRR PROJECTED Calculation for PJM Projects Charged to Benefiting Zones

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

## A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No
(e.g. ERO5-925-000)

Project Description: EAST LIMA-STERLING 138 KV LINE

\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|l|}{Details} <br>
\hline Investment \& \multirow[t]{2}{*}{$$
\begin{array}{|r|}
\hline 1,941,459 \\
2012
\end{array}
$$} \& \multicolumn{4}{|l|}{\multirow[t]{2}{*}{Current Year ${ }^{\text {ROE increase accepted by FERC (Basis Points) }}$}} \& 2012 <br>
\hline Senice Year (yyyy) \& \& \& \& oints) \& \& <br>
\hline Serice Month (1-12) \& \multirow[t]{3}{*}{7
4

No} \& \multicolumn{3}{|l|}{\multirow[t]{2}{*}{}} \& \& 55\% <br>
\hline Useful life \& \& \& \& \& \& 18.55\% <br>
\hline CIAC (Yes or No) \& \& nual Depreciatio \& \& \& \& 43,144 <br>
\hline \& \multirow[t]{2}{*}{Beginning

Balance} \& \multirow[t]{2}{*}{Depreciation Expense} \& \multirow[t]{2}{*}{$$
\begin{aligned}
& \text { Ending } \\
& \text { Balance } \\
& \hline
\end{aligned}
$$} \& \multirow[t]{3}{*}{RTEP Rev. Req't. w/o Incentives} \& \multirow[t]{3}{*}{RTEP Rev. Req't. with Incentives **} \& \multirow[t]{2}{*}{Incentive Rev. Requirement \#\#} <br>

\hline Year \& \& \& \& \& \& <br>
\hline 2012 \& 1,941, \& 17,97 \& 1,923 \& \& \& <br>
\hline
\end{tabular}

| Current Projected Year ARR |  |
| :--- | ---: |
| Current Projected Year ARR w/ Incentive | 374,752 |
| Current Projected Year Incentive ARR | 374,752 |

Current Projected Year ARR w/ Incentive
Current Projected Year Incentive ARR
374,752
CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS: CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS: INPUT PROJECTED ARR (WITH \& WITHOUT INCENTIVES) FROM EACH PRIOR Y
TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE


Prior Year
Template
with Incentives


AEP Formula Rate Update -. FERC Docket ER08-132
AEP Formula Rate Upate - - FERC Docket EROB-1329
Calculation of Interest on Over or Under Collection Cor Period January 1 through December 31,2012

Annual Period 2012


APCo Worksheet K ATRR TRUE- 2012 True-w. File
IV. Determine the Revenue Requirement, and Additional Revenue Requirement for facilities receiving incentives.
A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.
Project Description: RTEP ID: bo318 (Amos $765 / 138 \mathrm{kV}$ Transformer)

| Details |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Investment | 13,798,879 | Current Year |  |  |  |  | 2012 |
| Senice Year (yyyy) |  | current YearROE increase accepted by FERC (Basis Points) |  |  |  |  |  |
| Serice Month (1-12) |  | FCR w/o incentives, less depreciationFCR w/incentives aporoved for these facilities, less dep. |  |  |  |  |  |
| Usetull life | 61 |  |  |  |  |  | 13.87\% |
| CIAC (Yes or No) | No | nual Depreciation |  |  |  |  | 226,211 |
|  |  |  |  |  |  |  |  |
| Year | Beginning Balance | Depreciation | Ending | Average | RTEP Rev. Reat. | RTEP Rev. Req't. | Incentive Rev. |
|  | 13,798,879 |  |  |  |  | 2,018,716 |  |
| 2009 2010 | +13,685,773 | 226,211 <br> 226,211 | 13,459,562 | +13,572,668 | 2,108,295 <br> $2,076,927$ <br> , 0129 | 2,108,295 2,076,927 , |  |
| 2011 2012 |  | 2266,211 226,211 | (enter |  |  | 退 |  |



Page 2 of 2

| 2012 | quire | tives | Incentive Amounts |
| :---: | :---: | :---: | :---: |
| Prior Yr Projected <br> Prior Yr True-Up | 1,906,118 | 1,906,118 |  |
| (e) | 2,014,191 | 2,014,191 |  |

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:
TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:
MULATVE HISTORY OF TRUED-UP ANNUAL REVENUE REQUIREMENTS:


|  | RTEP Projected Rev. Req't.From Prior Year WS J w/o Incentives | RTEP Rev Req't True-up w/o Incentives | RTEP Projected Rev. Req't. From with Incentives* | RTEP Rev Req't True-up with Incentives ** | True-up of Incentive |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | \$ |  |  |  |
|  | 1,124,469 <br> $2,027,403$ <br> 1 | 983, 826 <br> 49,5 | 1,124,469 <br> $2,027,403$ <br> 1 | 983,826 49,524 | \$ |
|  | 2, $2,050,107$ | (4,548) | 2,050,107 | (4,548) | \$ |





AEP Formula Rate Update -- FERC Docket ER08-132
Cap cultion of Itherest on over or Under collection of Transmission Enhancement Project Revenue Requirements
for Period January 1 through December 31, 2011

$$
\text { Annual Period } 2012
$$

"Billing assumed 5 nt business day, payment assumed 15 days sher

Billing Month \begin{tabular}{l}
Biling <br>
Date <br>
\hline

 

Payment <br>
Receivedt <br>
\hline

 schedt invoiced" Charge Actual Charge 

True-Up w/o <br>
lnerest <br>
\hline
\end{tabular} Up wol



 $\qquad$
APCo Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones
Page 2 of 2
IV. Determine the Revenue Requirement, and Additional Revenue Requirement for facilities receiving incentives.
A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.
(e.g. ER05-925-000)

Proiect Descriptio RTEP ID: b1712.2 (Altarista-Leesville 138kY lise)

| Detsils |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Investment | 267,989 | Current Year |  |  |  |  | 2012 |
|  |  |  |  |  | ROE incresee sccepted by FERC (Busis Pointe) |  |  |  |
| Service Yesr \{uypul Service Month (1-12) | $\begin{gathered} 2011 \\ 12 \end{gathered}$ | FCR wo incentives, lese deprecistion |  |  |  |  |  | 13.87\% |
| Useful life | 61 |  |  |  |  |  | $13.87 \%$ |
| ClaC (Ye or No ) |  | Annual Deprecistio | ense |  |  |  |  |
| Investment | Beqianiag | Depreciation | Endinq | Average | RTEP Rev. Req't. | RTEP Rev. Req't. | Incentive Rev. |
| Year | Balance | Expense | Balance | Balance | Fio lacentives | -ith lacentives | Requirenent ${ }^{\text {a }}$ |
| 2011 | 267,989 |  | 267,989 | 267,989 | 37,161 | 37,161 | \$ - |
| 2012 | 261.988 | 4,393 | 263,596 | 265,392 | 41,250 | 41,250 | $t$. |

TRUE UP OF PROJECT REYENUE REQUIREHENT FOR PRIOR YEAR: CUMULATIVE HISTORY OF TRUED-UP ANNUAL REVENUE REQUIREMENTS: INPUT TRUE-UP ARR ('WTH \& w'THOUT INCENTIVES) FROM EACH PRIOR YEAR TEMPLATE BELOW TO MAINTAIN HISTORY OF TRUED-UP ARRS OVER THE LIFE OF THE PROJEC

| RTEP Projected Rev. Req'efrom Prior Year Y/s J Tlo lecentives | RTEP Ret Req't Trae-ap Fio lecentives | Projected Req. <br> Req't.From Prior Year Ts rith Incentives | RTEP Ret Req't True-ap rith hacentives |
| :---: | :---: | :---: | :---: |
|  | \$ - | $\ddagger$ - | $\ddagger$ - |



Calculation of Interest on Over or Under Collection
for Period January through December 31, 2012

$$
\text { Annual Period } 2012
$$



## \& M Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones

IV. Determine the Revenue Requirement, and Additional Revenue Requirement for facilities receiving incentives.
A. Base Plan Facilities
Facilities receiving incentives accepted by FERC in Docket No.


RTEP ID: bo839 (Replace existing 450 MVA transformer at Twin Branch 345 / 138 kV with a 675 MVA transformer)

|  | RTEP ID: bo839 (Replace existing 450 MVA transformer at Twin Branch 345 / 138 kV with a 675 MVA transformer) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Details |  |  |  |  |  |  |  |
| Investment | 8,316,811 | Current Year |  |  |  |  | 2012 |
| Serice Year (yyyy) |  |  |  |  |  |  |  |
| Serice Month (1-12) |  | FCR w/o incentives, less depreciation |  |  |  |  | 15.10\% |
| Useful life | 67 |  |  |  |  |  | 15.10\% |
| CIAC (Yes or No) | No | nual Depreciation |  |  |  |  | 124,132 |
|  |  |  |  |  |  |  |  |
|  | ( $\begin{gathered}\text { Beginning } \\ \text { Balance }\end{gathered}$ | Depreciation Expense | Ending | Average | RTEP Rev. Reqt. | RTEP Rev. Req't. | Incentive Rev. Requirement \#\# |
| 2009 | 8,316,811 |  | 8,254,745 |  | 1,313,234 |  |  |
| 2010 | 8,254,745 | 124,132 | 8,130,614 | 8,192,679 | 1,361,242 | 1,361,242 |  |
| 2011 2012 | $8,130,614$ $8,006,482$ | 124,132 | $8,006,482$ $7,882,351$ | $8,068,548$ $7,944,416$ |  | $1,342,497$ $1,323,753$ | \$ |



TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:
ULATVE HISTORY OF TRUED-UP ANNUAL REVENUE REQUIREMENTS:
INPUT TRUE-UP ARR (WITH \& WITHOUT INCENTIES) FROM EACH PRIOR YEAR
INPUT TRUE-UP ARR (WUTH \& WITHOUT INCENTVES) FROM EACH PRIOR YEAR
TEMPLATE BELOW TO MAINTAIN HISTORY OF TRUED-UP ARRS OVER THE
LIFE OF THE PROJECT.

| $\begin{array}{l}\text { RTEP Projected } \\ \text { Rev. Reqt. } \\ \text { Prom } \\ \text { Prior Year wS }\end{array}$ | $\begin{array}{c}\text { RTEP Rev Req't } \\ \text { True-up }\end{array}$ | $\begin{array}{l}\text { RTEP Projected } \\ \text { Rev. Reqtit. } \\ \text { Prom } \\ \text { Prior Year WS }\end{array}$ | $\begin{array}{c}\text { RTEP Rev Req't } \\ \text { True-up }\end{array}$ | $\begin{array}{c}\text { True-up of } \\ \text { Incentive }\end{array}$ |
| :--- | :---: | :---: | :---: | :---: | | $\begin{array}{c}\text { Rev. Req't. From } \\ \text { Prior Year WS } J \\ \text { wlo Incentives }\end{array}$ | $\begin{array}{c}\text { RTEP Rev Req't } \\ \text { True-up } \\ \text { w/o Incentives }\end{array}$ | $\begin{array}{c}\text { Rev. Req't. From } \\ \text { Rrior Year wS } J \\ \text { with Incentives }\end{array}$ | $\begin{array}{c}\text { RTEP Rev } \\ \text { True-up }\end{array}$ |
| :--- | :--- | :--- | :--- | :--- |
| with Incentive |  |  |  |

WS J-2011 Projection Effective July 1,2011 (Used for Jan-Jul 2012 billings)



I \& M Worksheet J - ATRR PROJECTED Calculation for PJM Projects Charged to Benefiting Zones
IV. Determine the Revenue Requirement, and Additional Revenue Requirement for facilities receiving incentives.

## A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.
(e.g. ERO5-925-000)

Project Description: Twin Branch

| Details |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Investment | 8,288,332 | Current YearROE increase accepted by FERC (Basis Points) |  |  |  | 2012 |
| Serrice Year (yyyy) | 2009 |  |  |  |  | 15.26\% |
| Service Month (1-12) |  | FCR w/o incentives, less depreciation |  |  |  |  |
| Useful life |  | FCR w/incentives ap | dor these facilit | s, less dep. |  | 15.26\% |
| CIAC (Yes or No) | 70 | Annual Depreciation Expense |  |  |  | 118,405 |
| Investment | Beginning Balance | Depreciation Expense | Ending Balance | RTEP Rev. Req't. | RTEP Rev. Req't. | Incentive Rev. |
| Year |  |  |  | w/o Incentives | with Incentives ** | Requirement \#\# |
| 2009 | 8,288,332 | 59,202 | 8,229,130 | 1,314,686 | 1,314,686 | \$ - |
| 2010 | 8,229,130 | 118,405 | 8,110,725 | 1,355,824 | 1,355,824 | \$ - |
| 2011 | 8,110,725 | 118,405 | 7,992,320 | 1,337,760 | 1,337,760 | \$ - |
| 2012 | 7,992,320 | 118,405 | 7,873,915 | 1,319,695 | 1,319,695 | \$ - |


| Current Projected Year ARR | $\mathbf{1 , 3 1 9 , 6 9 5}$ |
| :--- | ---: |
| Current Projected Year ARR w/ Incentive | $\mathbf{1 , 3 1 9 , 6 9 5}$ |
| Current Projected Year Incentive ARR | - |

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS: CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS: INPUT PROJECTED ARR (WITH \& WITHOUT INCENTIVES) FROM EACH PRIOR YEAR TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE LIFE OF THE PROJECT.



AEP Formula Rate Upatae - FERC Docket ERR8-1329
Calculation of Interest onover or Under Collection of Transmission Enhancement Project Revenue Requirements
for Period January through December 31,2012


|  | Biling Month | Billing | Payment |
| :--- | :--- | :--- | :--- |
| Schedit |  |  |  |

\& M Worksheet J - ATRR PROJECTED Calculation for PJM Projects Charged to Benefiting Zones
IV. Determine the Revenue Requirement, and Additional Revenue Requirement for facilities receiving incentives.

## A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.
(e.g. ER05-925-000)

Current Projected Year ARR
Current Projected Year ARR w/ Incentive
Current Projected Year Incentive ARR

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:
CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS: INPUT PROJECTED ARR (WITH \& WITHOUT INCENTIVES) FROM EACH PRIOR YEAR
TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE LIFE OF THE PRROJECT.
RTEP Proiel

w/o Incentives

|  |  |
| :---: | :---: |
|  |  |
|  |  |
|  | Ь. <br>  |
|  |  |
|  |  |
|  |  <br>  |



```
Get monthly rates here (H. 15 release)
.gothereat
Set calculation methodology here
http:/ledockeket.access. gpo.govicfr_2002/aprqtr/18ctrr35.19a.htm
```

| \$3 htp://www.federalreserve.gov/releases/h15/data/MonthlyH15_PRIME |  |  |  |
| :---: | :---: | :---: | :---: |
| File Edit vew Favorites tools Help |  |  |  |
|  |  |  |  |
|  |  |  |  |
| 121/2007, 8.25$02 / 2007,8.25$0.25 |  |  |  |
|  |  |  |  |
| 03/2007, 8.25 |  |  |  |
| 04/2007, 8.25$05 / 2007,8.25$ |  |  |  |
|  |  |  |  |
| 06/2007,07/2007,8.258.25 |  |  |  |
|  |  |  |  |
| 08/2007, 8.25 |  |  |  |
| 09/2007,10/2007,7.74 |  |  |  |
| 11/2007, 7.50 |  |  |  |
|  |  |  |  |
| $12 / 2007,7.33$$01 / 2008,6.98$ |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| 05/2008, 5.00 |  |  |  |
| $06 / 2008,5.00$$07 / 2008,5.00$ |  |  |  |
| 08/2008, 5.00 |  |  |  |
| 09/2008,10/2008,4.56 |  |  |  |
|  |  |  |  |
|  |  |  |  |
| 12/2008, 3.61$01 / 2009,2.25$3.25 |  |  |  |
| 02/2009, 3.25 |  |  |  |
| 03/2009, 3.25 |  |  |  |
|  |  |  |  |
| 04/2009,05/2009, 3.25 |  |  |  |
| $06 / 2009,3.25$$07 / 2009,3.25$ |  |  |  |
| 08/2009, 3.25$09 / 2009,3.25$0.3 |  |  |  |
|  |  |  |  |
| $\begin{array}{ll}11 / 2009, & 3.25 \\ 12 / 2009, & 3.25\end{array}$ |  |  |  |
|  |  |  |  |
| 01/2010,$02 / 2010$,3.253.25 |  |  |  |
| 03/2010, 3.25 <br> 04/2010, 3.25 |  |  |  |
|  |  |  |  |



