HURLEY AVENUE PROJECT - SYSTEM DELIVERABILITY UPGRADE

| Appendix A | Main body of the Formula Rate |
| :---: | :---: |
| Attachment 1 | Detail of the Revenue Credits |
| Attachment 2 | Monthly Plant and Accumulated Depreciation Balances |
| Attachment 3 | Cost Support Detail |
| Attachment 4 | Calculations showing the revenue requirement by Investment, including any Incentives, |
| Attachment 5 | Cost of Debt Should Construction Financing be Obtained |
| Attachment 6a and 6b | Detail of the Accumulated Deferred Income Tax Balances |
| Attachment 7 | True-Up calculations |
| Attachment 8 | Depreciation Rates |
| Attachment 9 | Workpapers |





Formula Rate - Non-Levelized

## Rate Formula Template Utilizing FERC Form 1 Data <br> HURLEY AVENUE PROJECT - SYSTEM DELIVERABILITY UPGRADE

 SUPPORTING CALCULATIONS AND NOTESTRANSMISSION PLANT INCLUDED IN RTO RATES

| 70 | Total transmission plant | (line 7, column 3) |  |
| :--- | :--- | :--- | :--- |
| 71 | Less transmission plant excluded from RTO rates | (Note H) |  |
| 72 | Less transmission plant included in OATT Ancillary Services (Note H) | (Attachment 3, line 175) |  |
| 73 | Transmission plant included in RTO rates (line 70 less lines 71 \& 72) | (Attachment 3, line 175) |  |

74 Percentage of transmission plant included in RTO Rates (line 73 divided by line 70 ) [ff line 70 equal zero, enter 1 )
ADJUSTED TRANSMISSION PLANT INCLUDED IN RTO RATES
75 Total transmission plant (line 15, column 3)
78 Total Adjusted Transmission Plant (line 75 less lines 76 \& 77)

ADJUSTED PLANT INCLUDED IN RTO RATES
$\begin{array}{ll}9 & \text { Total transmission plant (line 22, column 3) } \\ 80 & \text { Plus CIAC Reveived (O\&M, A\&G and Taxes other than income would be on full amount) }\end{array}$
83 Total Adjusted Transmission Plant


# HURLEY AVENUE PROJECT - SYSTEM DELIVERABILITY UPGRADE 

[^0]
## Attachment 1 - Revenue Credit Workpaper*

 hURLEY AVENUE PROJECT - SYSTEM DELIVERABILITY UPGRADE| Account $\mathbf{4 5 4}$ - Rent from Electric Property (300.19.b) | Notes $1 \& 3$ |
| :--- | :--- |
| 1 Rent from FERC Form No. 1 |  |
|  |  |
| Account $\mathbf{4 5 6}$ (including 456.1) (300.21.b and 300.22.b) | Notes $1 \& 3$ |
| 2 Other Electric Revenues (Note 2) |  |
| 3 Professional Services |  |
| 4 Revenues from Directly Assigned Transmission Facility Charges (Note 2) |  |
| 5 Rent or Attachment Fees associated with Transmission Facilities | Sum lines 2-5 + line 1 |


| Note 1 | All revenues booked to Account 454 that are derived from cost items classified as transmission-related will be included as a revenue credit. All revenues booked to Account 456 (includes 456.1 ) that are derived from cost items classified as transmission-related, and are not derived from rates under this transmission formula rate will be included as a revenue credit. Work papers will be included to properly classify revenues booked to these accounts to the transmission function. A breakdown of all Account 454 revenues by subaccount will be provided below, and will be used to derive the proper calculation of revenue credits. A breakdown of all Account 456 revenues by subaccount and customer will be provided and tabulated below, and will be used to develop the proper calculation of revenue credits. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Note 2 |  |  |  |  |  |
|  | If the facilities associated with the revenues are not included in the formula, the revenue is shown below, but not included in the total above and explained in the Attachment 3 . |  |  |  |  |
| Note 3 | All Account 454 and 456 Revenues |  |  |  |  |
| Line No. |  |  |  |  |  |
|  |  |  | NY-ISO |  |  |
| 1 | Account 456 | TOTAL | Transactions | Retail Access | Other 2 |
| 1 a | Transmission Service | 230,180 | 230,180 | - | - |
| 1 b | Not included above | 134,026,991 | 34,441,229 | 99,585,762 | - |
| 1x | Trans. Fac. Charge | - | - | - | - |
| 2 | Trans Studies | - | - | - | - |
| 3 | Total | 134,257,171 | 34,671,409 | 99,585,762 | - |
| 4 | Less: |  |  |  |  |
| 5 | Revenue for Demands in Divisor | - | - | - | - |
| 6 | Sub Total Revenue Credit | 134,257,171 | 34,671,409 | 99,585,762 | - |
| 7 | Prior Period Adjustments | - | - | - | - |
| 8 | Total | 134,257,171 | 34,671,409 | 99,585,762 | - |
| 9 | Account 454 | \$ |  |  |  |
| 9 a | Attachment Rents | 3,842,202 |  |  |  |
| 9 b | Joint pole attachments - cable | - |  |  |  |
| 9 c | Underground rentals | - |  |  |  |
| 9d | Transmission tower wireless rentals | - |  |  |  |
| 9 e | Misc non-transmission rentals | 2,586,012 |  |  |  |
| 9 f |  | - |  |  |  |
| 9 g |  | - |  |  |  |
| ... |  |  |  |  |  |
| 9 x |  | - |  |  |  |
| 10 | Total | 6,428,214 |  |  |  |



| 1 | Calcultion of Transmission Plantin Senice | Surre | Year | Baance |
| :---: | :---: | :---: | :---: | :---: |
| 2 | May | conpany yeocos | ${ }^{2023}$ | ${ }_{42921733.36}$ |
| ${ }^{3}$ | June | ${ }^{\text {P2242027, } 158}$ | ${ }^{2023}$ | ${ }_{4}^{4993575,618}$ |
| ${ }_{5}^{4}$ | ${ }^{\text {Jutust }}$ | company rears | ${ }_{2023}^{2023}$ |  |
| 6 | Sepenember | ${ }^{\text {p20 2 } 2027,1.58 ~}$ | 2023 | ${ }_{496,753,388}$ |
| 7 | Ocoboer | commanyreocos | 2023 |  |
| 8 | Noverner | commany reoocos | 2023 | ${ }_{498903103618}$ |
| 9 | ${ }_{\text {den }}$ Noember | ${ }^{2} 2042027.158$ | ${ }^{2023}$ | ${ }_{50,50,52,738}$ |
| 10 | Januay | commany yeeors | ${ }^{2024}$ | ${ }^{500,734,918}$ |
| 12 | ${ }_{\text {Feonay }}^{\text {Mach }}$ |  | ${ }_{2024}^{2024}$ |  |
| 13 | Apail | company records | ${ }_{2024}$ | 500.69, 5 588 |
| 14 | May Tansmision Plant senice | company rears | 2024 | comen |
|  |  |  |  |  |
| $1{ }^{16}$ | Calculation of Pistribution Panatin Serice | Surue |  |  |
| 18 | May | comple | ${ }_{2023}^{2023}$ |  |
| 19 | Juy | company reocods | ${ }_{2023}$ | 1,072,691,000 |
| ${ }^{20}$ | Alowst | company yeeors | ${ }^{2023}$ | 1,077, 565,000 |
| ${ }^{21}$ | Sepember | ${ }^{\text {P20 }}$ P20207, 7.75 | ${ }^{2023}$ | 1,081,788.000 |
| ${ }_{23}^{22}$ | Ocouer | connany feords | ${ }_{2023}^{2023}$ | ${ }_{\text {li, }}^{1,028287,0000}$ |
| ${ }^{24}$ | Decenber | ${ }^{2} 224.207 .175$ | ${ }^{2023}$ | 1,105,530,000 |
| ${ }^{25}$ | Januay | company yeocors | 2024 | 1,109040, 0 ,00 |
| ${ }_{2}^{26}$ | Febuay | company yeords | 2024 <br> 2024 <br> 1 | - |
| ${ }^{28}$ | Apoil | company yecoms | ${ }_{2024}^{2024}$ | ${ }^{1,122,1080,000}$ |
| ${ }_{30}^{29}$ | ${ }^{\text {Misstribution Panat }}$ Seerice |  | ${ }^{2024}$ | , |
|  | Calulution of flmangibe Plantin Sevice | Surce |  |  |
| ${ }_{33}^{32}$ | May | comany | ${ }_{2023}^{2023}$ |  |
| 34 | Juy | company reards | ${ }_{2023}^{2023}$ | ${ }_{\text {20, }}^{2024828.755}$ |
| ${ }_{36}^{35}$ | Cumple |  | ${ }_{2023}^{2023}$ |  |
| ${ }^{37}$ | Ocaber | companyeocods | ${ }^{2023}$ | ${ }^{20,228.785}$ |
| ${ }_{39}^{38}$ | (Notenber | company | ${ }_{2023}^{2023}$ |  |
| 40 | Januar | conpany reeors | 2024 | ${ }_{20,248785}$ |
| 41 | Feburay | company yeords | ${ }_{2024}^{2024}$ |  |
| ${ }_{4}$ | Apoil | conpeny reeors | 2024 | ${ }^{20224828.735}$ |
| ${ }_{45}^{44}$ | ${ }_{\text {May }}^{\text {Mnangibe Plant }}$ S Sevice |  |  |  |
| 46 | Calcution of fenear Plantl Serice | Soure |  |  |
| 48 | june | comple | ${ }_{2023}^{2023}$ | 4, 4 4,36,00000 |
| 49 | Juy | commany reacoss | ${ }^{2023}$ | ${ }^{4.381,000}$ |
| 50 | Sex | - | ${ }_{202}^{2023}$ | ${ }_{\substack{4 \\ 4.3381000}}^{4.1000}$ |
| ${ }_{5}^{52}$ | Ocaber | company yeeors | ${ }^{2023}$ | 4,381,000 |
|  | Notember | company yeords | 2023 <br> 2023 | 4,38,1000 4.381000 |
| ${ }_{5}^{55}$ | Januar | company recons | 2024 | $4.381,000$ |
| ${ }_{5}^{56}$ | ${ }_{\text {Feburay }}$ |  | ${ }_{2024}^{2024}$ | ${ }_{4}^{4,3831,000}$ |
| ${ }_{59}^{58}$ | Apail | company yecons | ${ }_{2024}^{2024}$ | ${ }^{4.331,000}$ |
| ${ }_{60}$ | General Pantin Serice | (sum ines 7 7.99)/1/3 |  | 4,381,000 |
|  | Calculation of Production Pantin Serice | Surue |  |  |
| ${ }_{63}^{62}$ | May | comany | ${ }_{2023}^{2023}$ | 47804,400 |
| ${ }_{64} 6$ | July | conpany reocrs | ${ }^{2023}$ | 47,855,000 |
| ${ }_{66}^{65}$ |  | companyecors | ${ }_{2023}^{2023}$ | $47.884,000$ |
| ${ }_{67}$ | ${ }^{\text {Ocoloer }}$ | companyteocors | ${ }_{2023} 202$ | ${ }_{54,417,000}$ |
| ${ }_{68}^{68}$ | ${ }^{\text {Notember }}$ | company yeords | ${ }^{2023}$ | $54.453,00$ <br> 545400 |
| ${ }_{70}^{69}$ | - Deeaber | ${ }^{\text {P2024.207, } 4.46}$ | ${ }^{2023}$ |  |
| 71 | ${ }_{\text {Fenonay }}$ | company feocons | ${ }_{2024}$ | 55, |
| 72 | Mach | ${ }^{12204207, ~ 146}$ | ${ }_{2024}^{2024}$ | S5, |
| ${ }_{74}^{73}$ | ${ }_{\substack{\text { apan } \\ \text { May }}}^{\text {and }}$ |  | ${ }_{2024}^{2024}$ | S50,04,000 |
| 75 | Production Plantin Serice | (summ inese 8274 / $/ 1 / 3$ |  | $52,10,462$ |
| ${ }_{76}$ | Toal Plantr S Serice | (sum lines 15, 30, |  | 1,672,019,72 |


|  |  <br>  |  <br>  |  |  <br>  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  <br>  <br> $\stackrel{\stackrel{\rightharpoonup}{\bar{\omega}}}{ }{ }^{\circ}$ <br>  |
|  | RNERNRNRNNOMN <br>  |  \% 8888888888888 |  <br>  |  <br>  |  <br>  |

HURLEY AVENUE PROJECT - SYSTEM DELIVERABILITY UPGRADE




| Directy/ Assignod AsG |  | Form 1 Amount |  | Other | Deatis* |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 172 Regulatoy Commisson Exp Account 228 | p323.189.6 | 2.509,43 |  | 2.50, 443 |  |

Multistate Workpapor


| Education and Outr |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Form 1 Amount | Safety Related, Education, Siting \& Outreach Related | Other | Dotais |
|  |  |  |  |  |
|  <br>  |  |  |  |  |



|  | Note: for the projection, the prior year's actual balances will be used. lectric only amounts <br> Form No. 1 page |  | Stores Expense Undistributed p227.16 | Construction Materials \& Supplies p227.5 | Toal | Patatucater |  | $\underset{\substack{\text { Transission } \\ \text { Mateinis } \\ \text { Supplies }}}{\substack{\text { and }}}$ <br> p227. 8 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 176 | May 23 | Company Records | 795 | 17,64,855 | 17,646,550 |  |  |  |  |  |
| 177 | June | Company Records | 147,041 | 18,405,737 | 18,552,778 |  |  |  |  |  |
| 178 | July | Company Records | 1,279 | 24,340,119 | 24,341,398 |  |  | : |  |  |
| 179 180 | Aluyst | Company Records | ${ }_{\substack{198,842 \\ 381028}}$ | $18,85,8288$ 19,199169 | $19,051.670$ $19.580,197$ |  |  | : |  |  |
| 181 | Octooer | Company Recoors | 399,089 | ${ }_{21,335,246}$ | 21,730,335 |  |  |  |  |  |
| 182 | Noverber | Company Records | 414,809 | 21,126,885 | 21,541,994 |  |  | - |  |  |
| 183 | December | FF17. 227 | 448,199 | 21,052,556 | 21,500,755 |  |  | - |  |  |
| 184 | Jan24 | Company Recorrs | 546,630 | ${ }^{21,834,996}$ | ${ }^{22,381,526}$ |  |  | : |  |  |
| 185 186 | ${ }^{\text {Feburary }}$ Mach | Company Records Compan Reorrs a | 406,401 43,80 | ${ }^{22,025,5608}$ | 22,432,009 22,62, 193 |  |  | - |  |  |
| ${ }_{187}$ | Appil | Company Reocorsis | 121,744 | 23,044,424 | ${ }_{2,166,168}$ |  |  | - |  |  |
| 188 | may | Company Records | (7,813) | 23,467,999 | 23,459,886 |  |  |  |  |  |
| 189 | Average |  |  |  | 21,385,328 | 1.44\% | 308,906 |  | 4.83\% | 308.906 |


cost of captal
Attachment 3 - Cost Support
HURLEY AVENUE PROJECT - SYSTEM DELIVERABILITY UPGRADE



Effect of $1 \%$ Increase in the Equity Ratio

## 42 Rate Base

,476,99
$\begin{array}{ll}44 & \text { Long Term Debt } \\ 45 & \text { Preferred Stock }\end{array}$
45
Preferred Stock
46
Common Stock
${ }_{48}^{47 \text { Total (sum lines } 41}$
(line 3 minus $1 \%$ in equity ratio)
(line 4 )
$\underset{\text { (line } 5 \text { plus } 1 \% \text { in equity ratio) }}{(\text { lin } 4)}$

$$
\begin{array}{ccc}
\mathrm{s} & \% \\
\hline & \vdots & 49.89 \% \\
& 0.00 \% \\
& & 50.11 \% \\
\hline
\end{array}
$$

$$
\underbrace{\text { 0.002 }}_{\substack{\text { Cost } \\ \hline 0.00 \% \\ 0.00 \%}}
$$

$$
\begin{array}{r}
\text { Weighted } \\
\hline 2.04 \% \\
0.00 \% \\
4.96 \% \\
7.00 \% \\
\hline
\end{array}
$$

593,651.79
9 ncometaxes

$\begin{array}{ll}50 & \mathrm{~T}=1-\{[(1-\mathrm{SIT}) *(1-\mathrm{FIT})] /(1) \\ 51 & \mathrm{CIT}=(\mathrm{T} 11-\mathrm{T}) *(1-(\mathrm{WCLTDDR}))=\end{array}$
52 where $W C L T D=($ line 44$)$ and $R=($ line 47$)$
and $F I T$, STI \& are as siven in footnote Fon Apendio

$26.14 \%$
$25.07 \%$
$\longrightarrow 1.3538$

$\stackrel{-}{48,807} \mathrm{NP}$
0.01
$\begin{array}{r}148,807 \\ \hline 148,807\end{array}$
59 Return and hrome Taxes with $1 \%$ Increase in the Equity Ratio
60 Rate Base
61 Return and Income Taxes with $1 \%$ Increase in the Equity Ratio
62 Difference between Base ROE and $1 \%$ Increase in the Equity Ratio
Sum lines 48 and 58
Line 42
SLine 42
Lines
Line 59 /ine 6
Line $59 /$ Ine 60
Line $61-$ Line 20


63 Revenue Requirement per roject including incentives

The table below is not used by Central Hudso
The table below is not used by Central Hudson
The table below breaks out the total revenue requirement on Appendix A separately for each investment. The total of Column ( $($ ) must equal the amount shown on Appendix A , Line 3 .


Check Sum Appendix ALin
Difference (must be cero)

```
ssumes financing will be a 5 year loan with Origination Fees of $2.1 million and a Commitments Fee of 0.3% on the undrawn princip
Each year, the amounts withdrawn, the interest paid in the year, Origination Fees, Commitments Fees, and total loan amount will be updated on this attachment.
```




|  | Origination Fees |  |
| :---: | :---: | :---: |
| 5 | Underwriting Discount | - |
| 6 | Arrangement Fee | - |
| 7 | Upiront Fee | - |
| 8 | Rating Agency Fee | - |
| 9 | Legal Fees | - |
| 10 | Total lssuance Expense | . |
| 11 | Annual Rating Agency Fee | - |
| 12 | Annual Bank Agency Fee | - |
| 13 | Revolving Credit Commitment Fee | 0.000\% |


|  |  | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14 | LIBOR Rate | 0.64\% | 1.03\% | 1.60\% | 2.13\% | 2.13\% | 2.13\% | 2.13\% |
| 15 | Spread | 2.25\% | 2.25\% | 2.25\% | 2.25\% | 2.25\% | 2.25\% | 2.25\% |
| 16 | Interest Rate | 2.89\% | 3.28\% | 3.85\% | 4.38\% | 4.38\% | 4.38\% | 4.38\% |

\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{(A)

Year} \& \multirow[t]{3}{*}{(B)} \& \multirow[t]{3}{*}{(C)

| Capital |
| :---: |
| Expenditures |
| ( $\$ 000$ 's) |} \& \multirow[t]{3}{*}{(D) Principal Drawn In Quarter (\$000's)} \& \multirow[t]{2}{*}{(E)

Principal Drawn
To Date ( $\$ 000$ 's)} \& \multirow[t]{2}{*}{(F)
Interest \& Principal
(\$000's)} \& \multirow[t]{2}{*}{(G)
$\substack{\text { Origination Fees } \\ \text { ( } \$ 000 \text { 's) }}$} \& (H) \& (1) <br>
\hline \& \& \& \& \& \& \& Commitment \& Utilization
Fee $(\$ 000 ' s)$ \& Net Cash Flows (\$000's) <br>
\hline \& \& \& \& Cumulative Col. D \& 1/4 * Interest Rate from Line $16 \times$ Col. E prior quarter and Principal repayment \& Input in first Qtr of Loan \& (line 1/1000 less Col. E prior quarter)*line $13 / 4$ +line 12/4000+line 11/4000 \& (D-F-G-H) <br>
\hline 3/31/2014 \& Q3 \& - \& - \& - \& \& \& \& - <br>
\hline 6/30/2014 \& Q4 \& - \& - \& - \& - \& \& - \& - <br>
\hline 9/30/2014 \& Q1 \& - \& - \& - \& - \& \& - \& - <br>
\hline 12/31/2014 \& Q2 \& - \& - \& - \& - \& \& - \& - <br>
\hline 3/31/2015 \& Q3 \& - \& - \& - \& - \& \& - \& - <br>
\hline 6/30/2015 \& Q4 \& - \& - \& - \& - \& \& - \& - <br>
\hline 9/30/2015 \& Q1 \& - \& - \& - \& - \& \& - \& - <br>
\hline 12/31/2015 \& Q2 \& - \& - \& - \& - \& \& - \& - <br>
\hline 3/31/2016 \& Q3 \& - \& - \& - \& - \& \& - \& - <br>
\hline 6/30/2016 \& Q4 \& - \& - \& - \& - \& \& - \& - <br>
\hline 9/30/2016 \& Q1 \& - \& - \& - \& - \& \& - \& - <br>
\hline 12/31/2016 \& Q2 \& - \& - \& - \& - \& \& - \& - <br>
\hline 3/31/2017 \& Q3 \& - \& - \& - \& - \& \& - \& - <br>
\hline 6/30/2017 \& Q4 \& - \& - \& - \& - \& \& - \& - <br>
\hline 9/30/2017 \& Q1 \& - \& - \& - \& - \& \& - \& - <br>
\hline 12/31/2017 \& Q2 \& - \& - \& - \& - \& \& - \& - <br>
\hline 3/31/2018 \& Q3 \& - \& - \& - \& - \& \& \& - <br>
\hline
\end{tabular}

[^1]HURLEY AVENUE PROJECT - SYSTEM DELIVERABILITY UPGRADE Attachment 6 a Accumulated Deferred Income Taxes (ADIT) Workshee
Beginning of Rate Year

Item

| 1 | ADIT-282 |
| :---: | :---: |
| 2 | ADIT-283 |
| 3 | ADIT-190 |
| 4 | Subtotal |
| 5 | Wages \& Salary Allocator |
| 6 | NP |
| 7 | Beginning of Year |
| 8 | End of year from Attachment 6 b, line 7 |
| 9 | Average of Beginning of Year and End |

Transmision
Realed
$\stackrel{\begin{array}{l}\text { Plant } \\ \text { Related }\end{array}}{ }$
$\stackrel{\text { Labor }}{\text { Related }}$

$0.26 \%$

|  | 0.64\% |  |  |
| :---: | :---: | :---: | :---: |
| $(6,849)$ | . | . | (6,849) |
| $(116,290)$ | - | - | (116,290) |
| (61,570) |  |  | (61,570 |

From Acct. 282 total, below From Acct. 283 total, below
From Acct. 190 total, below
filing out this attachment, a full and complete description of each item and jusfification for the allocation to Columns B-F and each separate ADIT item will be isted dissimilar items with amounts exceeding $\$ 100,000$ will be listed separately. For ADIT directly related to project depreciation or CWIP, the balance must shown in a separate row for each proje


Instructions for Account 190:
ADIT tems reated only to .
$\begin{array}{ll}16 & \text { 1. ADIT titems related only to Non-Electic Operations (e.g., Gas, Water, Sewer) } \\ 17 & \text { 2. ADIT tems related only to Transmission are directly assigned to Column D }\end{array}$
$\begin{array}{ll}18 & \text { 3. ADIT items related to Plant and not in Columns } \mathrm{C} \text { \& D are included in Column } \\ 19 & \text { 4. ADTT tems related to labor and not in Columns } \mathrm{C} \text { \& } \text { are included in Column }\end{array}$
20 5. If the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded

## hURLEY AVENUE PROJECT - SYSTEM DELIVERABLLTY UPGRADE

 Attachment 6 a - Accumulated Deferred Income Taxes (ADIT) Worksheet (Beginning of Year)A
B
c
D

E
E

|  |  |  | Related | Related | Related | Related | Justification |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22a | MACRS for plantadidions | (7,399) |  | (7,399) |  |  | Related to Huriey Avenue Substaion Project |
| , |  |  |  |  |  |  |  |
| c |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 23 | Subtotal - p275 | (7,349) | $\ldots$ | (7,349) | . | . |  |
| 24 | Less FASB 109 Above if not separately removed | - |  |  |  |  |  |
| 25 | Less FASB 106 Above if not separately removed | . |  | - |  |  |  |
| 26 | Total | (7,349) | . | $(7,349)$ |  | . |  |

Instructions for Account 282:
1 ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column
$\begin{array}{ll}\text { 27 } & \text { 1. ADIT Titms related only to Non-Electric Operations (e.s., Gas, Water, Sen } \\ 28 & \text { 2. ADII items related only to Transmission are directly assigned to Column } D\end{array}$

30 4. ADIT items related to labor and not in Columns C \& D are included in Column
5. If the item giving ise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded

## HURLEY AVENUE PROJECT - SYSTEM DELIVERABILITY UPGRADE

Attachment 6 a - Accumulated Deferred Income Taxes (ADIT) Worksheet (Beginning of Year)
Beginning of Rate Year
A

| B |
| :---: |
| Total |

$\underset{\text { Gas, Pro }}{\text { C }}$
E
G
32 ADIT- 283

- D

Plant
Labor


Instructions for Account 283
38 1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column
39 2. ADIT items related only to Transmission are directly assigned to Column D
40 3. ADIT items related to Plant and not in Columns $\mathrm{C} \& \mathrm{D}$ are included in Column
$\begin{array}{ll}\text { 41 } & \text { 4. ADIT items related to abor and not in Columns } \mathrm{C} \& \mathrm{D} \text { are included in } \mathrm{Column} \mathrm{F} \\ 42 & \text { 5. If the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded }\end{array}$

| Line | Transmission Related | Plant Related | Labor Related | Total |
| :---: | :---: | :---: | :---: | :---: |
| 1 ADIT-282 | (124,923) | - | . | From Acct. 282 total, below |
| 2 ADIT-283 |  |  | - | From Acct. 283 total, below |
| 3 ADIT-190 | 8,633 | . | - | From Acct. 190 total, below |
| 4 Subtotal | $(116,290)$ | - |  |  |
| 5 Wages \& Salary Alocator |  |  | 0.26\% |  |
| 6 NP \% |  | 0.64\% |  |  |
| 7 End of Year ADIT | (116,290) | 0 | - | (116,290.00) |

In filling out this attachment, a full and complete descripion of each item and justification for the allocation to Columns B-F and each separate ADIT item will be isted,
dissimilar items with amounts exceeding S \$100,000 will be isted separately. For ADIT directly related to project depreciation or CWIP, the balance must be shown in a separate row for each project.


Instructions for Account 190
14 1. ADIT tiems related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column $\Omega$


17 4. ADTT tems related to olabo and not in Columns $C \& D$ are inculuded in Coum F
18 5. If the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded

## HURLEY AVENUE PROJECT - SYSTEM DELIVERABILITY UPGRADE

D
End of Year

|  | A | в | c | D | E | F | G |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total | Gas, Prod |  |  |  |  |
| 19 | ADIT-282 |  | Or Other | Transmission | Plant | Labor |  |
|  |  |  | Realaed | Related | Related | Related | Justification |
| 20a | MACRS for plant adations |  |  | (124,923) |  |  | Related to Hurrey Avernue Susstation Project |
| 206 |  |  |  |  |  |  |  |
| 20 c |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| ... |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 21 | Subtoal - p275 | $\cdot$ |  | (124,923) |  | - |  |
| 22 |  | . |  |  |  |  |  |
|  | Less FASB OSA Abve f frot separalely removed |  |  |  |  |  |  |
| 23 | Less FASB 106 Above if inot separately removed | . |  | - |  |  |  |
| 24 | Total |  |  | (124,923) |  | . |  |

Instrucions for Account 282:
25 1. ADIT tems related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column $C$
$\begin{array}{ll}26 & \text { 1. ADIT AT temm realeated onyly to Transmission are directly assigned to Column D }\end{array}$
27 3. ADIT tems related to Plant and not in Columns $C$ \& D are included in Column $E$
$\begin{array}{ll}\text { 28 } & \text { 4. ADIT titems related to lobor and not in Columns } \mathrm{C} \& D \text { are induded in Column } \mathrm{F} \\ 29 & \text { 5. If the item giving ise to the ADIT is not included in the formula, the associated } \mathrm{ADIT} \text { amount shall be excluded }\end{array}$

## hURLEY AVENUE PROJECT - SYSTEM DELIVERABILITY UPGRADE

## End of Year

A
B
c
ס
E
F
G


Instructions for Account 283
36 1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column $C$
37 2. ADIT items related only to Transmission are directly assigned to Column D
38 3. ADIT Ttems related to Plant and not in Columns $C \& D$ are included in Column $E$
39 4. ADIT items related to lo labor and not in Columns $C \& D$ are induded in Colum F
5. If the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded


| rest Rate on Amount of Refunds or Surcharges | Over (Under) Recovery Plus Interest | Monthly Interest Rate on Attachment 7a | Months | Calculated Interest | Amortization | Surcharge <br> (Refund) Owed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| rest Rate on Amount of Refunds or Surcharges |  | $0.4225 \%$ | Months | Calculated interest | Amortization | Refund) Owed |

An over or under collection will be recovered prorata over year collected, held for one year and returned prorata over next year.
If the first year is a partial year, the true-up (over or under recovery per month and interest calculation) will reflect only the
number of months for which the rate was charged.

| Calculation of Interest |  |  | Monthly |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| June | 2023 | - | 0.4225\% | 12 | - |  | - |
| July | 2023 | - | 0.4225\% | 11 | - |  | - |
| August | 2023 | - | 0.4225\% | 10 | - |  | - |
| September | 2023 | - | 0.4225\% | 9 | - |  | - |
| October | 2023 | - | 0.4225\% | 8 | - |  | - |
| November | 2023 | - | 0.4225\% | 7 | - |  | - |
| December | 2023 | - | 0.4225\% | 6 | - |  | - |
| January | 2024 | - | 0.4225\% | 5 | - |  | - |
| February | 2024 | - | 0.4225\% | 4 | - |  | - |
| March | 2024 | - | 0.4225\% | 3 | - |  | - |
| April | 2024 | - | 0.4225\% | 2 | - |  | - |
| May | 2024 | - | 0.4225\% | 1 | - |  | - |
|  |  |  |  |  | - |  | - |
|  |  |  |  |  | Annual |  |  |
| June 2024 to May 2025 |  | - | 0.4225\% | 12 | - |  | - |
| Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months |  |  |  |  | Monthly |  |  |
| June | 2025 | - | 0.4225\% |  | - | - | - |
| July | 2025 | - | 0.4225\% |  | - | - | - |
| August | 2025 | - | 0.4225\% |  | - | - | - |
| September | 2025 | - | 0.4225\% |  | - | - | - |
| October | 2025 | - | 0.4225\% |  | - | - | - |
| November | 2025 | - | 0.4225\% |  | - | - | - |
| December | 2025 | - | 0.4225\% |  | - | - | - |
| January | 2026 | - | 0.4225\% |  | - | - | - |
| February | 2026 | - | 0.4225\% |  | - | - | - |
| March | 2026 | - | 0.4225\% |  | - | - | - |
| April | 2026 | - | 0.4225\% |  | - | - | - |
| May | 2026 | - | 0.4225\% |  | - | - | - |


| Total Amount of True-Up Adjustment | - |
| :--- | :--- |
| Less Over (Under) Recovery | \$ |
| Total Interest | - |

[^2]
## True-Up Interest Calculation

Attachment 7a
Page 2

FERC Quarterly Interest Rate
Qtr 3 (Previous Year)
Qtr 4 (Previous Year)
Qtr 1 (Current Year)
Qtr 2 (Current Year)
Average of the last 4 quarter
(Lines 1-4/4)
nest Rate Used for True-up adjustment (Note B)
Monthly Interest Rate for Attachment 7

Pursuant to 18 C.F.R. Section 1835.19 (a) 4.69\% 4.96\%
5.18\% 5.45\% 5.07\% 5.07\% 0.42\%

## Attachment 8 - Depreciation and Amortization Rates

 HURLEY AVENUE PROJECT - SYSTEM DELIVERABILITY UPGRADE|  |  |
| :---: | :---: | :---: |
| Account Number | Rate (Annual) |
| Percent |  |

## TRANSMISSION PLANT

| 1350.1 | Land Rights | 1.11\% |
| :---: | :---: | :---: |
| 2352 | Structures and Improvements | 1.44\% |
| 3353 | Station Equipment | 2.30\% |
| 4354 | Towers and Fixtures | 1.63\% |
| 5355 | Poles and Fixtures | 2.88\% |
| 6356 | Overhead Conductor and Devices | 1.93\% |
| 7357 | Underground Conduit | 2.44\% |
| 8358 | Underground Conductor and Devices | 1.91\% |
| 9356.3 | Smart Wire Device | 2.75\% |
| 10 PRODUCTION PLANT | All Accounts | 3.20\% |
| 11 DISTRIBUTION PLANT | All Accounts | 2.21\% |
| GENERAL PLANT |  | 3.25\% |
| 12390 | Structures \& Improvements | 3.10\% |
| 13391 | Office Furniture \& Equipment | 5.00\% |
| 14392 | Transportation Equipment | 9.00\% |
| 15393 | Stores Equipment | 2.86\% |
| 16394 | Tools, Shop \& Garage Equipment | 3.33\% |
| 17395 | Laboratory Equipment | 2.86\% |
| 18396 | Power Operated Equipment | 7.50\% |
| 19397 | Communication Equipment | 5.00\% |
| 20398 | Miscellaneous Equipment | 3.33\% |
| INTANGIBLE PLANT |  |  |
| 21303 | Miscellaneous Intangible Plant | 2.86\% |
|  | 5 Yr | 33.33\% |
|  | 7 Yr | 20.00\% |
|  | 10 Year | 10.00\% |
|  | 15 year | 6.67\% |
|  | Cloud SW | 20.00\% |
|  | Fiber Optics | 5.00\% |
|  | Transmission facility Contributions in Aid of Construction | 1 |

These depreciation and amortization rates will not change absent the appropriate filing at FERC.

Note 1: The Contribution in Aid of Construction (CIAC) made for this project is assumed to be applied to offset all transmission plant categories with the remaining balance in account 356.3 for the new Smart Wire Devices for the purposes of calculating rate base and depreciation to be recovered.

## 





Land Held tor future Use (LHFU)



Change to recovery pereantin Coumm (1) requives FERC o over

Actual Additions Th F F Frac Account



| Acumulaed Deperedion |  |
| :---: | :---: |
| 23 mav203 | Huter |
| ${ }_{24}^{23 \text { may } 2023}$ | ${ }^{11,590}$ |
| ${ }_{25} 25$ Juy | ${ }_{41016}$ |
| 26 Ausust | ${ }^{55,729}$ |
| 27 Seplember | 70.442 |
| 28 Oactoer | ${ }^{85,155}$ |
| 29 Novernber | 9,988 |
| ${ }^{30}$ Deecember | 581 |
| 31 Janauy 2024 | 678 |
| Feevay | .775 |
| mach | 872 |
| ${ }^{34}$ Apil | ${ }^{190,969}$ |
| ${ }^{35}$ may | ${ }^{210.0068}$ |

Intangible Pant Doeal

|  | Hem Description | Surre | Semie Llie | Amount |
| :---: | :---: | :---: | :---: | :---: |
| 378 |  | Companyeeonds |  |  |
| ${ }^{376}$ |  | Campany Reoords |  |  |
| ${ }^{37}$ |  | Company Reocols |  |  |
| ... |  | Company Records Company Record |  |  |
| - |  | Company Reoras |  |  |
| " |  |  |  |  |
| - |  | Company c ands |  |  |
| " |  | Conenay Peours Company Reonds |  |  |
|  |  | Companfeeords |  |  |
| "- |  | Conpany Reords Company Reoras and |  |  |
|  |  |  |  |  |
| 37x |  | ${ }_{\text {compan Peocrs }}$ |  |  |
| 33x |  | Company Peocris |  |  |

## 

## 


[^0]:    General Note: References to pages in this formulary rate are indicated as: (page\#, line\#, col.\#) References to data from FERC Form 1 are indicated as: \#.y.x (page, line, column)
    Note
    $\frac{\text { Letter }}{\text { A }}$
    The balances in Accounts 190, 281, 282 and 283, as adjusted by any amounts in contra accounts identified as regulatory assets or liabilities related
    to FASB 106 or 109. The formula uses the stated average of the beginning and end of year balances to prorate ADIT to comply with IRS normalization rules. Balance of Account 255
    is reduced by prior flow throughs and excluded if the utility chose to utilize amortization of tax credits against taxable income as discussed in Note $F$. Account 281 is not allocated
    B Identified in Form 1 as being only transmission related or formula rate allocated to transmission
    Cash Working Capital assigned to transmission is one-eighth of O\&M allocated to transmission Prepayments are the electric related prepayments booked to Account No. 165 and reported on Pages 110-111 line 57 in the Form 1
    D Line 42 removes EPRI Annual Membership Dues listed in Form 1 at 353._f (enter FN1 line \#),
    any EPRI Lobbying expenses included in line 42 of the template and all Regulatory Commission Expenses itemized at $351 . \mathrm{h}$
    Line 42 removes all advertising included in Account 930.1, except safety, education or out-reach related advertising
    Line 42 removes all EEI and EPRI research, development and demonstration expenses.
    Line 43 reflects all Regulatory Commission Expenses directly related to transmission service, RTO flings, or transmission siting itemized at 351 h
    Line 38 or Line 41 and thus Line 45 shall include any NYISO charges other than penalties, including but not limited to administrative costs.
    E Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year
    Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template,
    Taxes related to income are excluded
    since they are recovered elsewhere.
    F 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". If the utility is taxed in more than one state it must attach $\boldsymbol{c}$ work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, 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. Inputs Required: FIT $\quad 21.00 \%$

    | $\mathrm{SIT}=$ | $21.00 \%$ | 年 |
    | :--- | ---: | :--- |
    | $\mathrm{p}=$ | $6.50 \%$ | (State Income Tax Rate or Composite SIT from Attach 3) |
    | $\mathrm{n}=$ | - | (percent of federal income tax deductible for state purposes) |

    $\mathrm{n}=\quad$ - $\quad$ (percent of federal income tax deductible for
    For each Rate Year (including both Annual Projections and True-Up Adjustments) the statutory income tax rates utilized in the Formula Rate shall reflect the weighted average rates
    actually in effect during the Rate Year. For example, if the statutory tax rate is $10 \%$ from January 1 through June 30, and 5\% from July 1 through December 31, such rates would be weighted 181/365 and 184/365, respectively, for a non-leap year.
    G The cost of debt is determined using the internal rate of return methodology shown on Attachment 5 once project financing is obtained. Prior to obtaining project financing,
    an interest rate of $3.85 \%$ from Table 4 of Attachment 5 will be used and will not be trued up. Attachment 5 contains an estimate of the internal rate of return methodology; the methodology
    will be applied to actual amounts for use in Appendix A.
    After the completion of construction, the cost of debt will be calculated pursuant to Attachment 3
    H All transmission gross operating proerty except that related to the Hurley Avenue Substation
    I Enter dollar amounts
    ROE will be supported in the original filing and no change in ROE may be made absent a fling with FERC under FPA Section 205 or 206. The ROE cost rate was developed in a manner consistent with the Commission's Order in Docket No. EL-11-66-001
    plus a 50 basis point incentive adder for Central Hudson's membership in NYISO
    The capital structure will be the actual capital structure up to $53 \%$ equity. Lines 93 will be capped at $53 \%$ equity. If the actual equity ratio exceeds $53 \%$, the common stock ratio will be reset to $53 \%$ and the debt ratio will be equal to 1 minus sum of the preferred stock ratio and common stock ratio.

[^1]:    Notes 1 The IRR is the input to Debt Cost shown on Appendix A, Page 4, Line 90 during the construction period, after obtaining project financing, in accordance with Note G of Appendix A.
    2. The IRR is a discount rate that makes the net present value of a series of cash flows equal to zero. The IRR equation is shown on line 4 .

    N is the last quarter the loan would be outstanding
    $t$ is each quarter
    Ct is the cash flow (Table 5, Col. I in each quarter)
    Alternatively the equation can be written as $0=\mathrm{C} 0+\mathrm{C} 1 /(1+\mathrm{IRR})+\mathrm{C} 2 /(1+\mathrm{IRR}) 2+\mathrm{C} 3 /(1+\mathrm{IRR}) 3+\ldots+\mathrm{Cn} /(1+\mathrm{IRR})$ n and solved for IRR
    The Excel ${ }^{\mathrm{TM}}$ formula on line 2 is: (round(XIRR(first quarter of loan Col A of Table 5:last quarter of loan Col A of Table 5, first quarter of loan Col I of Table 5: last quarter of loan Col I of Table 5, 8\%),4)
    The $8 \%$ in the above formula is a seed number to ensure the formula produces a positive number
    Line 1 reflects the loan amount, the maximum amount that can be drawn on
    4. Lines 5 through 13 include the fees associated with the loan. They are estimated based on current bank condition and are updated with the actual fee
    once the actual fees are known.
    5. The estimate of the average 3 month Libor forward rate for the year on line 14 is that published by Bloomberg Finance L.P. during August of the prior year and is trued-up to actual
    average 3 month Libor rate for the year under the loan.
    6. Table 5, Col. C reflect the capital expenditures in each quarter
    7. Table 5, Col. D reflect the amount of the loan that is drawn down in the quarter
    8. Table $5, \mathrm{Col}$. E is the amount of principle drawn down
    9. Table 5, Col F calculates the interest on the principle drawn down to date based on the applicable interest on line 16
    10. Table 5, Col. G is the total origination fees in line 10 and is input in the first quarter that a portion of the loan in drawn
    11. Table 5, Col. H is calculated as follows
    
    12. The inputs shall be estimated based on the current market conditions and is subject to true up for all inputs, e.g., fees, interest rates, spread, and Table 3 once the
    amounts are known
    13. Prior to obtaining long term debt, the cost of debt, will be $3.28 \%$. If NY Transco obtains project financing, the long term debt rate will be determined using the methodology in Attachment 5 and Attachment 5 contains a
    hypothetical example of the internal rate of return methodology; the methodology will be applied to actual amounts for use in Attachment A. After the first project is placed into service, NY Transco will use the its actual cost of long term debt determined in Attachment 3. The capital structure will be the actual capital structure up to $53 \%$ equity

[^2]:    Note 1: Revenue requirements billed is input, source data are the invoices from NYISO. The amounts exclude any true ups or prior period adjustments.
    Note 2: The actual revenue requirement is input from Appenix A using actual data inputs from the FERC Form 1. The amounts exclude any true-ups or prior period adjustments.

