In the Matter of Staff's Review of Select )<br>Tariffs of Ohio Edison Company, The ) Cleveland Electric Illuminating Company ) and The Toledo Edison Company

## REPORT IN SUPPORT OF STAFF'S 2021 ANNUAL REVIEW OF THE ALTERNATIVE ENERGY RESOURCE RIDER (RIDER AER) SUBMITTED BY OHIO EDISON COMPANY, THE CLEVELAND ELECTRIC ILLUMINATING COMPANY AND THE TOLEDO EDISON COMPANY

In its Order in Case No. 12-1230-EL-SSO, and continued in Case No. 14-1297-EL-SSO ("ESP Orders"), the Commission clarified that the Companies should file annually an application, in a separate docket, for a review of certain riders. Pursuant to the schedule agreed to with the Commission Staff ("Staff") and consistent with the ESP Orders, this application for the review of the Alternative Energy Resource Rider (Rider AER) is to be filed in February of each year. Ohio Edison Company, The Cleveland Electric Illuminating Company ("CEI") and The Toledo Edison Company (collectively, "Companies") hereby submit this Report on the Companies' Rider AER for the year ended December 31, 2021.

In accordance with the ESP Orders, the Companies submit the following Exhibits:

- Exhibit A: Workpapers
- Exhibit B: Rate Design (Tariff Effective January 1, 2021)
- Exhibit C: Rate Design (Tariff Effective April 1, 2021)
- Exhibit D: Rate Design (Tariff Effective July 1, 2021)
- Exhibit E: Rate Design (Tariff Effective October 1, 2021)
- Exhibit F: 2021 Effective Tariff Sheets

Respectfully submitted,
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Case No. 20-1668-EL-RDR

## RIDER AER

2021 Q1 (Recovery from January 2021 through March 2021)

| Company | Jan 2021 - Mar <br> 2021 Rate <br> $(\mathrm{C} / \mathrm{kWh})$ |
| :--- | :---: |
| $(\mathrm{A})$ |  |
| OE | Overall |
| CEI | 0.0687 |
| TE Overall | $\mathbf{0 . 0 7 7 7}$ |

## NOTES

Column (B) Overall rate source, Pages 2-4, Column C, Line 1

## ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

|  |  | (A) | (B) | (C) |  | (D) | (E) | (F) | (G) |  | (H) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Line No. <br> 1 | OE |  |  |  |  |  |  |  |  |  |  |  |
|  | AER |  |  | \$ | 0.000687 | 0.26\% |  |  |  | 0.7066\% |  |  |
|  | Month | MWh | Beginning Balance |  | Revenues | Revenues, Net of CAT | Prior Period Interest Adj | Additional REC Expense |  | Interest |  | Balance |
| 2 | Oct-20 |  | \$ 31,977.55 | \$ | $175,482.01$ | \$175,025.76 | 1,874.39 | \$ 305,930.86 | \$ |  | \$ | 165,445.48 |
| 3 | Nov-20 | 302,067 | \$ 165,445.48 | \$ | 191,208.41 | \$190,711.27 | - | \$ 193,609.91 | \$ | 1,179.28 | \$ | 169,523.39 |
| 4 | Dec-20 | 381,336 | \$ 169,523.39 | \$ | 241,385.60 | \$240,758.00 | - | \$ 220,252.21 | \$ | 1,125.41 | \$ | 150,143.01 |
| 5 | Jan-21 | 390,463 | \$ 150,143.01 | \$ | 268,116.67 | \$267,419.57 | - | \$ 193,609.91 | \$ | 800.14 | \$ | 77,133.49 |
| 6 | Feb-21 | 346,709 | \$ 77,133.49 | \$ | 238,072.84 | \$237,453.85 | - | \$ 193,609.91 | \$ | 390.12 | \$ | 33,679.67 |
| 7 | Mar-21 | 332,042 | \$ 33,679.67 | \$ | 228,000.95 | \$227,408.15 | - | \$ 193,609.91 | \$ | 118.57 | \$ | - |

## NOTES

Column (C), Line 1: Rate ( $\$ / \mathrm{kWh}$ ) to be charged from January 2021 through March 2021 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of March 31, 2021.
Column (B), Line 2: Page 5, Line 52 for September 2020 Balance
Column (C), Line 2: Page 5, Line 28 for October 2020
Column (F), Line 2: Page 5, Line 43 for October 2020
Column (A) = Forecasted nonshopping MWh from Page 8, Column D
Column (B) = Column (H), Previous Row
Column $(C)=(A) *(C) 1^{*} 1000$ except November and December 2020 see page 6, Line 1, Columns D and E
Column (D)=(C)*(1-(D)1)
Column (E) = Page 5, Line 47 for October 2020
Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are
estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 7, Column J
Column (G) $=(\mathrm{B}+(\mathrm{F}-\mathrm{D}) / 2)^{*}(\mathrm{G}$ Line 1$)+\mathrm{E}$
Column (H) = (B-D+F+G)

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

|  | (A) |  | (B) | (C) |  | (D) | (E) | (F) | (G) | (H) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \hline \text { CEI } \\ & \text { AER } \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |
| 1 |  |  |  | \$ | 0.000777 | 0.26\% |  |  | 0.7066\% |  |  |
|  | Month | MWh | Beginning Balance |  | Revenues | Revenues, Net of CAT | Prior Period Interest Adj | Additional REC Expense | Interest |  | g Balance |
| 2 | Oct-20 |  | \$ 83,167.55 | \$ | 109,497.23 | \$ 109,212.54 | 1,026.72 | \$ 162,851.82 | \$1,803.89 | \$ | 138,610.72 |
| 3 | Nov-20 | 157,582 | \$ 138,610.72 | \$ | 113,616.97 | \$ 113,321.56 | - | \$ 102,897.67 | \$942.60 | \$ | 129,129.42 |
| 4 | Dec-20 | 188,242 | \$ 129,129.42 | \$ | 135,722.53 | \$ 135,369.65 | - | \$ 117,057.23 | \$847.73 | \$ | 111,664.73 |
| 5 | Jan-21 | 198,507 | \$ 111,664.73 | \$ | 154,210.12 | \$ 153,809.17 | - | \$ 102,897.67 | \$609.15 | \$ | 61,362.38 |
| 6 | Feb-21 | 171,950 | \$ 61,362.38 | \$ | 133,579.34 | \$ 133,232.04 | - | \$ 102,897.67 | \$326.42 | \$ | 31,354.42 |
| 7 | Mar-21 | 173,409 | \$ 31,354.42 | \$ | 134,712.72 | \$ 134,362.47 | - | \$ 102,897.67 | \$110.39 | \$ |  |

## NOTES

Column (C), Line 1: Rate (\$ / kWh) to be charged from January 2021 through March 2021 so that all expenses are fully recovered within the quarter they are expected to be
incurred and the Rider AER deferred balance is zero as of March 31, 2021.
Column (B), Line 2: Page 5, Line 26 for September 2020 Balance
Column (C), Line 2: Page 5, Line 2 for October 2020
Column (F), Line 2: Page 5, Line 17 for October 2020
Column (A) = Forecasted nonshopping MWh from Page 8, Column E
Column $(B)=(H)$, Previous Row
Column $(C)=(A) *(C) 1^{*} 1000$ except November and December 2020 see page 6, Line 2, Columns D and E
Column (D)=(C)*(1-(D)1)
Column (E) = Page 5, Line 21 for October 2020
Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 7, Column K
Column (G) $=(\mathrm{B}+(\mathrm{F}-\mathrm{D}) / 2)^{*}(\mathrm{G}$ Line 1$)+\mathrm{E}$
Column (H) $=(B-D+F+G)$

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

|  |  | (A) |  | (B) |  | (C) |  | (D) | (E) | (F) |  | (G) |  | (H) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { TE } \\ \text { AER } \end{gathered}$ |  |  |  |  | \$ 0.000727 |  | 0.26\% |  |  |  |  |  |  |  |
| 1 |  |  |  |  |  |  |  | Prior Period <br> Interest Adj | Additional REC Expense |  | 0.7066\% |  |  |  |
|  | Month | MWh |  |  | ing Balance |  | venues |  |  |  | Revenues, Net of CAT |  |  |  | g Balance |
| 2 | Oct-20 |  |  | \$ | 1,293.08 | \$ | 58,378.16 | \$58,226.38 | 575.78 | \$ | 83,487.44 | \$ | 674.16 | \$ | 27,228.30 |
| 3 | Nov-20 |  | 70,708 | \$ | 27,228.30 | \$ | 53,243.19 | \$53,104.76 | - | \$ | 52,308.87 | \$ | 189.58 | \$ | 26,622.00 |
| 4 | Dec-20 |  | 87,084 | \$ | 26,622.00 | \$ | 65,574.22 | \$65,403.72 |  | \$ | 59,507.00 | \$ | 167.28 | \$ | 20,892.56 |
| 5 | Jan-21 |  | 87,007 | \$ | 20,892.56 | \$ | 63,278.35 | \$63,113.83 | - | \$ | 52,308.87 | \$ | 109.45 | \$ | 10,197.06 |
| 6 | Feb-21 |  | 80,112 | \$ | 10,197.06 | \$ | 58,264.36 | \$58,112.87 | - | \$ | 52,308.87 | \$ | 51.55 | \$ | 4,444.61 |
| 7 | Mar-21 |  | 78,260 | \$ | 4,444.61 | \$ | 56,917.12 | \$56,769.13 | - | \$ | 52,308.87 | \$ | 15.65 | \$ | - |

## NOTES

Column (C), Line 1: Rate (\$ / kWh) to be charged from January 2021 through March 2021 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of March 31, 2021.
Column (B), Line 2: Page 5, Line 78 for September 2020 Balance
Column (C), Line 2: Page 5, Line 54 for October 2020
Column (F), Line 2: Page 5, Line 69 for October 2020
Column (A) = Forecasted nonshopping MWh from Page 8, Column F
Column $(B)=(H)$, Previous Row
Column $(C)=(A)^{*}(C) 1^{*} 1000$ except November and December 2020 see page 6, Line 3, Columns D and $E$
Column (D)=(C)*(1-(D)1)
Column (E) = Page 5, Line 73 for October 2020
Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 7, Column L
Column $(G)=(B+(F-D) / 2)^{*}(G$ Line 1$)+E$
Column (H) $=(B-D+F+G)$

## ESTIMATED AER REVENUE

|  | A | B | C |  | D |  | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Q4 AER |  |  |  |  |  |  |
|  | Nov-20 | Dec-20 | c/kWh |  | Nov-20 |  | Dec-20 |
| 1 OE | 302,067,002 | 381,335,861 | 0.0633 | \$ | 191,208 | \$ | 241,386 |
| 2 CEI | 157,582,480 | 188,242,068 | 0.0721 | \$ | 113,617 | \$ | 135,723 |
| 3 TE | 70,708,094 | 87,083,954 | 0.0753 | \$ | 53,243 | \$ | 65,574 |

## NOTES

Columns (A) and (B) totals tie to the total forecasted Non Shopped kWh from Page 8
Column (D) = Column (A) * Column (C) / 100
Column (E) $=$ Column (B) * Column (C) / 100

## Estimated AER Expense

|  | OE Estimated REC Expense |  | B <br> CEI Estimated REC Expense |  | C <br> TE Estimated REC Expense |  |  | D |  | E |  | F |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | OE Estimated RFP Expense | CEI Estimated RFP Expense |  | TE Estimated RFP Expense |  | OE Estimated <br> Audit Expense |  | CEI Estimated Audit Expense |  | TE Estimated Audit Expense |  |
| 2020.Nov | \$ | 193,609.91 |  |  | \$ | 102,897.67 | \$ | 52,308.87 | \$ | - | \$ | - | \$ | - | \$ | - | \$ |  | \$ | - |
| 2020.Dec | \$ | 193,609.91 | \$ | 102,897.67 |  |  | \$ | 52,308.87 | \$ | 26,642.31 | \$ | 14,159.56 | \$ | 7,198.13 | \$ | - | \$ | - | \$ | - |
| 2021.Jan | \$ | 193,609.91 | \$ | 102,897.67 | \$ | 52,308.87 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - |
| 2021.Feb | \$ | 193,609.91 | \$ | 102,897.67 | \$ | 52,308.87 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - |
| 2021.Mar | \$ | 193,609.91 | \$ | 102,897.67 | \$ | 52,308.87 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - |


| J | K |  | L |
| :---: | :---: | :---: | :---: |
| OE Estimated | CEI Estimated | TE Estimated |  |
| Total Expense | Total Expense | Total Expense |  |
| \$ 193,609.91 | \$ 102,897.67 | \$ | 52,308.87 |
| \$ 220,252.21 | \$ 117,057.23 | \$ | 59,507.00 |
| \$ 193,609.91 | \$ 102,897.67 | \$ | 52,308.87 |
| \$ 193,609.91 | \$ 102,897.67 | \$ | 52,308.87 |
| \$ 193,609.91 | \$ 102,897.67 | \$ | 52,308.87 |

stimates provided by Regulated Commodity Sourcing, Legal and Rate Support
Estimated Audit Expenses includes auditor fees and external legal fees
Column J = Column A + Column D + Column G
Column K = Column B + Column E + Column H
Column L = Column C + Column F + Column I

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Source: Forecast as of November 2020 excluding estimated kWh for mercantile customers registered as self-assessing purchasers under R.C. 5727.81(C)

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## RIDER AER

2021 Q2 (Recovery from April 2021 through June 2021)

| Company | Apr 2021 - Jun <br> 2021 Rate <br> $(\mathrm{C} / \mathrm{kWh})$ |  |
| :--- | ---: | ---: |
| (A) |  | (B) |$|$| OE | Overall |
| :--- | ---: |
| CEI | Overall |
| TE | 0.1098 |

## NOTES

Column (B) Overall rate source, Pages 2-4, Column C, Line 1

## ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

|  |  | (A) | (B) | (C) |  | (D) | (E) | (F) | (G) |  | (H) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Line No. <br> 1 | OE |  |  |  |  |  |  |  |  |  |  |  |
|  | AER |  |  | \$ | 0.001098 | 0.26\% |  |  |  | 0.7066\% |  |  |
|  | Month | MWh | Beginning Balance |  | Revenues | Revenues, Net of CAT | Prior Period Interest Adj | Additional REC Expense | Interest |  | Ending Balance |  |
| 2 | Jan-21 |  | \$ 525,983.75 | \$ | 268,165.79 | \$267,468.56 | - | \$ 214,047.77 | \$ | 3,527.87 | \$ | 476,090.83 |
| 3 | Feb-21 | 346,710 | \$ 476,090.83 | \$ | 238,189.78 | \$237,570.49 | - | \$ 173,647.15 | \$ | 3,138.22 | \$ | 415,305.70 |
| 4 | Mar-21 | 332,042 | \$ 415,305.70 | \$ | 228,112.96 | \$227,519.87 | - | \$ 173,647.15 | \$ | 2,744.22 | \$ | 364,177.19 |
| 5 | Apr-21 | 266,520 | \$ 364,177.19 | \$ | 292,567.47 | \$291,806.79 | - | \$ 173,647.15 | \$ | 2,155.82 | \$ | 248,173.36 |
| 6 | May-21 | 255,530 | \$ 248,173.36 | \$ | 280,503.91 | \$279,774.60 | - | \$ 173,647.15 | \$ | 1,378.64 | \$ | 143,424.55 |
| 7 | Jun-21 | 290,056 | \$ 143,424.55 | \$ | 318,404.48 | \$317,576.63 | - | \$ 173,647.15 | \$ | 504.94 | \$ | - |

## NOTES

Column (C), Line 1: Rate (\$ / kWh) to be charged from April 2021 through June 2021 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of June 30, 2021.
Column (B), Line 2: Page 5, Line 27 for December 2020 Balance
Column (C), Line 2: Page 5, Line 28 for January 2021
Column (F), Line 2: Page 5, Line 43 for January 2021
Column (A) = Forecasted nonshopping MWh from Page 8, Column D
Column $(B)=$ Column (H), Previous Row
Column $(C)=(A) *(C) 1^{*} 1000$ except February and March 2021 see page 6 , Line 1 , Columns D and $E$
Column (D)=(C)*(1-(D)1)
Column (E) = Page 5, Line 47 for January 2021
Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 7, Column J
Column (G) $=(\mathrm{B}+(\mathrm{F}-\mathrm{D}) / 2)^{*}(\mathrm{G}$ Line 1$)+\mathrm{E}$
Column (H) = (B-D+F+G)

## ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

|  | (A) |  | (B) | (C) |  | (D) | (E) | (F) | (G) | (H) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \hline \text { CEI } \\ & \text { AER } \end{aligned}$ |  |  |  |  | 0.26\% |  |  |  |  |  |
|  |  |  |  | \$ | 0.001076 |  |  |  | 0.7066\% |  |  |
|  | Month | MWh | Beginning Balance |  | Revenues | Revenues, Net of CAT | Prior Period Interest Adj | Additional REC Expense | Interest |  | g Balance |
| 2 | Jan-21 |  | \$ 313,760.84 | \$ | 141,912.97 | \$ 141,544.00 | - | \$ 114,017.65 | \$2,119.78 | \$ | 288,354.27 |
| 3 | Feb-21 | 171,950 | \$ 288,354.27 | \$ | 133,605.43 | \$ 133,258.05 | - | \$ 92,536.25 | \$1,893.64 | \$ | 249,526.11 |
| 4 | Mar-21 | 173,409 | \$ 249,526.11 | \$ | 134,739.03 | \$ 134,388.71 | - | \$ 92,536.25 | \$1,615.29 | \$ | 209,288.94 |
| 5 | Apr-21 | 148,394 | \$ 209,288.94 | \$ | 159,728.69 | \$ 159,313.39 | - | \$ 92,536.25 | \$1,242.91 | \$ | 143,754.71 |
| 6 | May-21 | 148,525 | \$ 143,754.71 | \$ | 159,869.05 | \$ 159,453.39 | - | \$ 92,536.25 | \$779.35 | \$ | 77,616.92 |
| 7 | Jun-21 | 158,746 | \$ 77,616.92 | \$ | 170,870.68 | \$ 170,426.42 | - | \$ 92,536.25 | \$273.26 | \$ | - |

## NOTES

Column (C), Line 1: Rate ( $\$ / \mathrm{kWh}$ ) to be charged from April 2021 through June 2021 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of June 30, 2021.
Column (B), Line 2: Page 5, Line 1 for December 2020 Balance
Column (C), Line 2: Page 5, Line 2 for January 2021
Column (F), Line 2: Page 5, Line 17 for January 2021
Column (A) = Forecasted nonshopping MWh from Page 8, Column E
Column $(B)=(H)$, Previous Row
Column $(C)=(A) *(C) 1 * 1000$ except February and March 2021 see page 6, Line 2, Columns D and E
Column (D)=(C)*(1-(D)1)
Column (E) = Page 5, Line 21 for January 2021
Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 7, Column K
Column (G) $=(\mathrm{B}+(\mathrm{F}-\mathrm{D}) / 2)^{*}(\mathrm{G}$ Line 1$)+\mathrm{E}$
Column (H) $=(B-D+F+G)$

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER


## NOTES

Column (C), Line 1: Rate ( $\$ / \mathrm{kWh}$ ) to be charged from April 2021 through June 2021 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of June 30, 2021.
Column (B), Line 2: Page 5, Line 53 for December 2020 Balance
Column (C), Line 2: Page 5, Line 54 for January 2021
Column (F), Line 2: Page 5, Line 69 for January 2021
Column (A) = Forecasted nonshopping MWh from Page 8, Column F
Column $(B)=(H)$, Previous Row
Column $(C)=(A) *(C) 1 * 1000$ except February and March 2021 see page 6, Line 3, Columns D and $E$
Column (D)=(C)*(1-(D)1)
Column (E) = Page 5, Line 73 for January 2021
Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 7, Column L
Column $(G)=(B+(F-D) / 2)^{*}(G$ Line 1$)+E$
Column (H) $=(B-D+F+G)$

## ESTIMATED AER REVENUE

|  | A | B |  |  | D |  | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Q1 AER |  |  |  |  |  |  |
|  | Feb-21 | Mar-21 | c/kWh |  | Feb-21 |  | Mar-21 |
| 1 OE | 346,710,013 | 332,042,160 | 0.0687 | \$ | 238,190 | \$ | 228,113 |
| 2 CEI | 171,950,359 | 173,409,301 | 0.0777 | \$ | 133,605 | \$ | 134,739 |
| 3 TE | 80,112,408 | 78,259,976 | 0.0727 | \$ | 58,242 | \$ | 56,895 |

NOTES
Columns (A) and (B) totals tie to the total forecasted Non Shopped kWh from Page 8
Column (D) = Column (A) * Column (C) / 100
Column (E) = Column (B) * Column (C) / 100

## Estimated AER Expense

|  | OE Estimated REC Expense |  |  | B |  | C |  |  |  |  |  |  |  | G |  |  |  |  | J |  | K |  | L |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | CEI Estimated REC Expense |  | TE Estimated REC Expense |  | OE Estimated RFP Expense |  | CEI Estimated RFP Expense |  | TE Estimated RFP Expense |  | OE Estimated Audit Expense |  | CEI Estimated Audit Expense |  | TE Estimated Audit Expense |  | OE Estimated Total Expense | CEI Estimated <br> Total Expense |  | TE Estimated Total Expense |  |
| 2021.Feb | \$ | 173,369.97 | \$ | 92,388.54 | \$ | 46,984.82 | \$ |  | \$ |  |  |  | \$ | 277.18 | \$ | 147.71 | \$ | 75.12 | \$ 173,647.15 | \$ | 92,536.25 | \$ | 47,059.94 |
| 2021.Mar | \$ | 173,369.97 | \$ | 92,388.54 | \$ | 46,984.82 | \$ |  | \$ |  |  |  | \$ | 277.18 | \$ | 147.71 | \$ | 75.12 | \$ 173,647.15 | \$ | 92,536.25 | \$ | 47,059.94 |
| 2021.Apr | \$ | 173,369.97 | \$ | 92,388.54 | \$ | 46,984.82 | \$ |  | \$ |  |  |  | \$ | 277.18 | \$ | 147.71 | \$ | 75.12 | \$ 173,647.15 | \$ | 92,536.25 | \$ | 47,059.94 |
| 2021.May | \$ | 173,369.97 | \$ | 92,388.54 | \$ | 46,984.82 | \$ | - | \$ |  |  |  | \$ | 277.18 | \$ | 147.71 | \$ | 75.12 | \$ 173,647.15 | \$ | 92,536.25 | \$ | 47,059.94 |
| 2021.Jun | \$ | 173,369.97 | \$ | 92,388.54 | \$ | 46,984.82 | \$ | - | \$ | - |  | - | \$ | 277.18 | \$ | 147.71 | \$ | 75.12 | \$ 173,647.15 | \$ | 92,536.25 | \$ | 47,059.94 |

## NOTES

Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support
Estimated Audit Expenses includes auditor fees and external legal fees
Column J = Column A + Column D + Column G
Column K = Column B + Column E + Column H
Column L = Column C + Column F + Column I

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| Forecasted Nonshopping Sales |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | A | B | C | D | E | F |
|  |  |  | Retail Sales Level (kWh) |  |  | Retail Sales Level (MWh) |  |  |
| Line No. Year.Month |  |  | OE01 kWh | CE01 kWh | TE01 kWh | OE01 MWh | CE01 MWh | TE01 MWh |
| 1 |  | 2021.Feb | 346,710,013 | 171,950,359 | 80,112,408 | 346,710 | 171,950 | 80,112 |
| 2 |  | 2021.Mar | 332,042,160 | 173,409,301 | 78,259,976 | 332,042 | 173,409 | 78,260 |
| 3 |  | 2021.Apr | 266,519,710 | 148,394,338 | 66,922,689 | 266,520 | 148,394 | 66,923 |
| 4 |  | 2021.May | 255,530,193 | 148,524,736 | 65,723,251 | 255,530 | 148,525 | 65,723 |
| 5 |  | 2021.Jun | 290,056,412 | 158,745,695 | 76,428,784 | 290,056 | 158,746 | 76,429 |
|  | Sum | 021 - June 202 | 812,106,315 | 455,664,768 | 209,074,723 | 812,106 | 455,665 | 209,075 |

Source: Forecast as of February 2021 excluding estimated kWh for mercantile customers registered as self-assessing purchasers under R.C. 5727.81(C)

## RIDER AER

2021 Q3 (Recovery from July 2021 through September 2021)

| Company | Jul 2021 - Sep <br> 2021 Rate <br> $(\mathrm{c} / \mathrm{kWh})$ |
| :--- | ---: |
| (A) |  |
| OE | (B) |$|$| CEI | Overall |
| :--- | ---: |
| TE | 0.0570 |

## NOTES

Column (B) Overall rate source, Pages 2-4, Column C, Line 1

## ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

|  |  | (A) | (B) |  | (C) |  | (D) | (E) | (F) | (G) |  | (H) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Line No. 1 | OE |  |  |  |  |  |  |  |  |  |  |  |  |
|  | AER |  |  |  | \$ | 0.000570 | 0.26\% |  |  |  | 066\% |  |  |
|  | Month | MWh |  | ing Balance | Revenues |  | Revenues, Net of CAT | Prior Period Interest Adj | Additional REC Expense | Interest |  | Ending Balance |  |
| 2 | Apr-21 |  | \$ | 381,165.10 | \$ | 313,216.33 | \$312,401.97 | - | 150,710.91 | \$ | 2,122.06 | \$ | 221,596.10 |
| 3 | May-21 | 255,530 | \$ | 221,596.10 | \$ | 280,571.44 | \$279,841.95 | - | \$ 180,663.47 | \$ | 1,215.40 | \$ | 123,633.02 |
| 4 | Jun-21 | 290,056 | \$ | 123,633.02 | \$ | 318,481.22 | \$317,653.17 | - | 180,663.47 | \$ | 389.61 | \$ | $(12,967.07)$ |
| 5 | Jul-21 | 344,606 | \$ | $(12,967.07)$ | \$ | 196,288.45 | \$195,778.10 | - | \$ 180,663.47 | \$ | (145.03) | \$ | $(28,226.72)$ |
| 6 | Aug-21 | 320,350 | \$ | $(28,226.72)$ | \$ | 182,472.09 | \$181,997.66 | - | \$ 180,663.47 | \$ | (204.16) | \$ | $(29,765.07)$ |
| 7 | Sep-21 | 265,425 | \$ | $(29,765.07)$ | \$ | 151,186.69 | \$150,793.61 | - | \$ 180,663.47 | \$ | (104.79) | \$ | - |

## NOTES

Column (C), Line 1: Rate ( $\$ / \mathrm{kWh}$ ) to be charged from July 2021 through September 2021 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of September 30, 2021.
Column (B), Line 2: Page 5, Line 27 for March 2021 Balance
Column (C), Line 2: Page 5, Line 28 for April 2021
Column (F), Line 2: Page 5, Line 43 for April 2021
Column (A) = Forecasted nonshopping MWh from Page 8, Column D
Column (B) = Column (H), Previous Row
Column $(C)=(A)^{*}(C) 1^{*} 1000$ except May and June 2021 see page 6 , Line 1 , Columns $D$ and $E$
Column (D)=(C)*(1-(D)1)
Column (E) = Page 5, Line 47 for April 2021
Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are
estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, and Legal. See Page 7, Column J
Column (G) $=(\mathrm{B}+(\mathrm{F}-\mathrm{D}) / 2)^{*}(\mathrm{G}$ Line 1$)+\mathrm{E}$
Column (H) $=(B-D+F+G)$

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

|  | (A) |  | (B) | (C) |  | (D) | (E) | (F) | (G) | (H) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \hline \text { CEI } \\ & \text { AER } \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |
| 1 |  |  |  | \$ | 0.000557 | 0.26\% |  |  | 0.7066\% |  |  |
|  | Month | MWh | Beginning Balance |  | Revenues | Revenues, Net of CAT | Prior Period Interest Adj | Additional REC Expense | Interest |  | g Balance |
| 2 | Apr-21 |  | \$ 191,453.04 | \$ | 135,661.64 | \$ 135,308.92 | - | \$ 80,775.25 | \$1,160.14 | \$ | 138,079.51 |
| 3 | May-21 | 148,465 | \$ 138,079.51 | \$ | 159,748.77 | \$ 159,333.43 | - | \$ 96,275.24 | \$752.89 | \$ | 75,774.20 |
| 4 | Jun-21 | 158,684 | \$ 75,774.20 | \$ | 170,743.89 | \$ 170,299.96 | - | \$ 96,275.24 | \$273.89 | \$ | 2,023.37 |
| 5 | Jul-21 | 188,991 | \$ 2,023.37 | \$ | 105,220.66 | \$ 104,947.08 | - | \$ 96,275.24 | (\$16.34) | \$ | $(6,664.81)$ |
| 6 | Aug-21 | 186,402 | \$ (6,664.81) | \$ | 103,779.11 | \$ 103,509.28 | - | \$ 96,275.24 | (\$72.65) | \$ | $(13,971.50)$ |
| 7 | Sep-21 | 148,126 | \$ (13,971.50) | \$ | 82,468.97 | \$ 82,254.55 | - | \$ 96,275.24 | (\$49.19) | \$ | - |

## NOTES

Column (C), Line 1: Rate ( $\$ / \mathrm{kWh}$ ) to be charged from July 2021 through September 2021 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of September 30, 2021.
Column (B), Line 2: Page 5, Line 1 for March 2021 Balance
Column (C), Line 2: Page 5, Line 2 for April 2021
Column (F), Line 2: Page 5, Line 17 for April 2021
Column (A) = Forecasted nonshopping MWh from Page 8, Column E
Column $(B)=(H)$, Previous Row
Column $(C)=(A)^{*}(C) 1^{*} 1000$ except May and June 2021 see page 6 , Line 2, Columns D and E
Column (D)=(C)*(1-(D)1)
Column (E) = Page 5, Line 21 for April 2021
Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, and Legal. See Page 7, Column K
Column (G) $=(\mathrm{B}+(\mathrm{F}-\mathrm{D}) / 2)^{*}(\mathrm{G}$ Line 1$)+\mathrm{E}$
Column (H) $=(B-D+F+G)$

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

|  |  | (A) |  | (B) |  | (C) |  | (D) | (E) | (F) |  | (G) |  | (H) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { TE } \\ \text { AER } \end{gathered}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | \$ | 0.000492 | 0.26\% |  |  |  | 0.7066\% |  |  |  |
|  | Month | MWh |  | Beginning Balance |  | Revenues |  | Revenues, Net of CAT | Prior Period <br> Interest Adj | Additional REC Expense |  | Interest |  | Ending Balance |  |
| 2 | Apr-21 |  |  | \$ | 51,432.67 | \$ | 74,782.69 | \$74,588.26 | - | \$ | 40,822.07 | \$ | 244.13 | \$ | 17,910.61 |
| 3 | May-21 |  | 65,723 | \$ | 17,910.61 | \$ | 65,328.91 | \$65,159.06 | - | \$ | 48,961.42 | \$ | 69.33 | \$ | 1,782.31 |
| 4 | Jun-21 |  | 76,429 | \$ | 1,782.31 | \$ | 75,970.21 | \$75,772.69 | - | \$ | 48,961.42 | \$ | (82.13) | \$ | $(25,111.09)$ |
| 5 | Jul-21 |  | 92,900 | \$ | $(25,111.09)$ | \$ | 45,714.04 | \$45,595.18 | - | \$ | 48,961.42 | \$ | (165.54) | \$ | $(21,910.39)$ |
| 6 | Aug-21 |  | 86,155 | \$ | $(21,910.39)$ | \$ | 42,394.69 | \$42,284.47 | - | \$ | 48,961.42 | \$ | (131.23) | \$ | $(15,364.66)$ |
| 7 | Sep-21 |  | 68,343 | \$ | $(15,364.66)$ | \$ | 33,630.11 | \$33,542.67 | - | \$ | 48,961.42 | \$ | (54.09) | \$ | - |

## NOTES

Column (C), Line 1: Rate ( $\$ / \mathrm{kWh}$ ) to be charged from July 2021 through September 2021 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of September 30, 2021.
Column (B), Line 2: Page 5, Line 53 for March 2021 Balance
Column (C), Line 2: Page 5, Line 54 for April 2021
Column (F), Line 2: Page 5, Line 69 for April 2021
Column (A) = Forecasted nonshopping MWh from Page 8, Column F
Column $(B)=(H)$, Previous Row
Column $(C)=(A)^{*}(C) 1^{*} 1000$ except May and June 2021 see page 6, Line 3, Columns D and E
Column (D)=(C)*(1-(D)1)
Column (E) = Page 5, Line 73 for April 2021
Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, and Legal. See Page 7, Column L
Column (G) $=(\mathrm{B}+(\mathrm{F}-\mathrm{D}) / 2)^{*}(\mathrm{G}$ Line 1$)+\mathrm{E}$
Column (H) $=(B-D+F+G)$

## ESTIMATED AER REVENUE

|  | A | B | C | D | E |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | May-21 | Jun-21 | Q2 AER <br> C/kWh |  | May-21 | | Jun-21 |
| :---: |

NOTES
Columns (A) and (B) totals tie to the total forecasted Non Shopped kWh from Page 8
Column (D) = Column (A) * Column (C) / 100
Column (E) $=$ Column (B) * Column (C) / 100

## Estimated AER Expense

|  | A <br> OE Estimated REC Expense |  | CEI Estimated REC Expense |  |  | C |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | TE Estimated REC Expense | OE Estimated RFP Expense |  | CEI Estimated RFP Expense |  | TE Estimated RFP Expense |  | OE Estimated <br> Audit Expense |  | CEI Estimated Audit Expense |  | TE Estimated Audit Expense |  |
| 2021.May | \$ | 180,663.47 |  |  | \$ | 96,275.24 | \$ | 48,961.42 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - |
| 2021.Jun | \$ | 180,663.47 | \$ | 96,275.24 | \$ | 48,961.42 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - |
| 2021.Jul | \$ | 180,663.47 | \$ | 96,275.24 | \$ | 48,961.42 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - |
| 2021.Aug | \$ | 180,663.47 | \$ | 96,275.24 | \$ | 48,961.42 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - |
| 2021.Sep | \$ | 180,663.47 | \$ | 96,275.24 | \$ | 48,961.42 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - |


| J | K | L |
| :---: | :---: | :---: |
| OE Estimated | CEI Estimated | TE Estimated |
| Total Expense | Total Expense | Total Expense |
| \$ 180,663.47 | \$ 96,275.24 | \$ 48,961.42 |
| \$ 180,663.47 | \$ 96,275.24 | \$ 48,961.42 |
| \$ 180,663.47 | \$ 96,275.24 | \$ 48,961.42 |
| \$ 180,663.47 | \$ 96,275.24 | \$ 48,961.42 |
| \$ 180,663.47 | \$ 96,275.24 | \$ 48,961.42 |

## NOTES

Estimates provided by Regulated Commodity Sourcing, and Legal
Estimated Audit Expenses includes auditor fees and external legal fees
Column J = Column A + Column D + Column G
Column K = Column B + Column E + Column H
Column L = Column C + Column F + Column I

## Case No. 20-1668-EL-RDR

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| Forecasted Nonshopping Sales |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | A | B | C | D | E | F |
|  | Retail Sales Level (kWh) |  |  | Retail Sales Level (MWh) |  |  |
| Line No. Year.Month | OE01 kWh | CE01 kWh | TE01 kWh | OE01 MWh | CE01 MWh | TE01 MWh |
| 1 2021.May | 255,529,541 | 148,465,403 | 65,723,251 | 255,530 | 148,465 | 65,723 |
| 2 2021.Jun | 290,055,760 | 158,683,917 | 76,428,784 | 290,056 | 158,684 | 76,429 |
| 3 2021.Jul | 344,606,133 | 188,991,105 | 92,900,280 | 344,606 | 188,991 | 92,900 |
| 4 2021.Aug | 320,349,975 | 186,401,877 | 86,154,690 | 320,350 | 186,402 | 86,155 |
| 5 2021.Sep | 265,424,996 | 148,125,867 | 68,343,260 | 265,425 | 148,126 | 68,343 |
| 6 Sum of July 2021 - September 2021 | 930,381,104 | 523,518,849 | 247,398,230 | 930,381 | 523,519 | 247,398 |

Source: Forecast as of May 2021 excluding estimated kWh for mercantile customers registered as self-assessing purchasers under R.C. 5727.81(C)

Case No. 20-1668-EL-RDR

## RIDER AER

2021 Q4 (Recovery from October 2021 through December 2021)

| Company | Oct 2021 - Dec <br> 2021 Rate <br> $(\mathrm{c} / \mathrm{kWh})$ |
| :--- | ---: |
| (A) |  |
| OE | (B) |$|$| CEI | Overall |
| :--- | ---: |
| TE | 0.0440 |

## NOTES

Column (B) Overall rate source, Pages 2-4, Column C, Line 1

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

|  | (A) |  | (B) | (C) |  | (D) | (E) | (F) | (G) | (H) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \hline \mathrm{OE} \\ \mathrm{AER} \end{gathered}$ |  |  |  | 0.000440 | 0.26\% |  |  |  |  |  |
| 1 |  |  |  |  |  |  |  |  | 0.7066\% |  |  |
|  | Month | MWh | Beginning Balance |  | Revenues | Revenues, Net of CAT | Prior Period Interest Adj | Additional REC Expense | Interest |  | ing Balance |
| 2 | Jul-21 |  | \$ $(229,428.16)$ | \$ | 173,487.22 | \$ 173,036.15 | - | \$ 189,261.39 | (\$1,563.82) | \$ | (214,766.74) |
| 3 | Aug-21 | 302,383 | \$ (214,766.74) | \$ | 172,358.14 | \$ 171,910.01 | - | \$ 178,889.38 | (\$1,492.88) | \$ | $(209,280.25)$ |
| 4 | Sep-21 | 243,168 | \$ $(209,280.25)$ | \$ | 138,605.66 | \$ 138,245.29 | - | \$ 178,889.38 | (\$1,335.18) | \$ | (169,971.34) |
| 5 | Oct-21 | 236,196 | \$ (169,971.34) | \$ | 103,875.60 | \$ 103,605.53 | - | \$ 178,889.38 | (\$935.04) | \$ | $(95,622.53)$ |
| 6 | Nov-21 | 276,095 | \$ (95,622.53) | \$ | 121,422.69 | \$ 121,106.99 | - | \$ 192,748.19 | (\$422.56) | \$ | (24,403.89) |
| 7 | Dec-21 | 351,995 | \$ $(24,403.89)$ | \$ | 154,802.07 | \$ 154,399.58 | - | \$ 178,889.38 | (\$85.92) | \$ | - |

## NOTES

Column (C), Line 1: Rate ( $\$ / \mathrm{kWh}$ ) to be charged from October 2021 through December 2021 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of December 31, 2021.
Column (B), Line 2: Page 5, Line 27 for June 2021 Balance
Column (C), Line 2: Page 5, Line 28 for July 2021
Column (F), Line 2: Page 5, Line 43 for July 2021
Column (A) = Forecasted nonshopping MWh from Page 8, Column D
Column (B) = Column (H), Previous Row
Column $(C)=(A) *(C) 1^{*} 1000$ except August and September 2021 see page 6, Line 1, Columns D and E
Column (D)=(C)*(1-(D)1)
Column (E) = Page 5, Line 47 for July 2021
Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, and Legal. See Page 7, Column J
Column (G) $=(\mathrm{B}+(\mathrm{F}-\mathrm{D}) / 2)^{*}(\mathrm{G}$ Line 1$)+\mathrm{E}$
Column (H) $=(B-D+F+G)$

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

|  | (A) |  | (B) | (C) |  | (D) | (E) | (F) | (G) | (H) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { CEI } \\ \text { AER } \end{gathered}$ |  |  |  |  |  |  |  |  |  |  |
| 1 |  |  |  | \$ | 0.000319 | 0.26\% |  |  | 0.7066\% |  |  |
|  | Month | MWh | Beginning Balance |  | Revenues | Revenues, Net of CAT | Prior Period Interest Adj | Additional REC Expense | Interest |  | g Balance |
| 2 | Jul-21 |  | \$ (122,171.06) | \$ | 122,789.20 | \$ 122,469.95 | - | \$ 101,391.18 | (\$937.73) | \$ | (144,187.56) |
| 3 | Aug-21 | 181,331 | \$ $(144,187.56)$ | \$ | 101,001.59 | \$ 100,738.99 | - | \$ 95,329.83 | (\$1,037.94) | \$ | $(150,634.66)$ |
| 4 | Sep-21 | 144,348 | \$ (150,634.66) | \$ | 80,401.83 | \$ 80,192.78 | - | \$ 95,329.83 | (\$1,010.91) | \$ | $(136,508.52)$ |
| 5 | Oct-21 | 142,153 | \$ (136,508.52) | \$ | 45,317.94 | \$ 45,200.12 | - | \$ 95,329.83 | (\$787.46) | \$ | $(87,166.27)$ |
| 6 | Nov-21 | 156,485 | \$ $(87,166.27)$ | \$ | 49,886.88 | \$ 49,757.17 | - | \$ 102,715.16 | (\$428.82) | \$ | (34,637.10) |
| 7 | Dec-21 | 190,493 | \$ $(34,637.10)$ | \$ | 60,728.69 | \$ 60,570.79 | - | \$ 95,329.83 | (\$121.94) | \$ | - |

## NOTES

Column (C), Line 1: Rate ( $\$ / \mathrm{kWh}$ ) to be charged from October 2021 through December 2021 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of December 31, 2021.
Column (B), Line 2: Page 5, Line 1 for June 2021 Balance
Column (C), Line 2: Page 5, Line 2 for July 2021
Column (F), Line 2: Page 5, Line 17 for July 2021
Column (A) = Forecasted nonshopping MWh from Page 8, Column E
Column $(B)=(H)$, Previous Row
Column $(C)=(A) *(C) 1^{*} 1000$ except August and September 2021 see page 6 , Line 2, Columns D and $E$
Column (D)=(C)*(1-(D)1)
Column (E) = Page 5, Line 21 for July 2021
Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, and Legal. See Page 7, Column K
Column (G) $=(\mathrm{B}+(\mathrm{F}-\mathrm{D}) / 2)^{*}(\mathrm{G}$ Line 1$)+\mathrm{E}$
Column (H) $=(B-D+F+G)$

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

| 1 | (A) |  | (B) | (C) |  | (D) | (E) | (F) | (G) | (H) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \hline \text { TE } \\ \text { AER } \end{gathered}$ |  |  |  | 0.000353 | 0.26\% |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 0.7066\% |  |  |
|  | Month | MWh | Beginning Balance |  | Revenues | Revenues, Net of CAT | Prior Period Interest Adj | Additional REC Expense | Interest |  | g Balance |
| 2 | Jul-21 |  | \$ (73,318.10) | \$ | 46,828.03 | \$ 46,706.28 | - | \$ 51,309.12 | (\$501.80) | \$ | $(69,217.06)$ |
| 3 | Aug-21 | 94,903 | \$ $(69,217.06)$ | \$ | 46,692.39 | \$ 46,570.99 | - | \$ 48,480.63 | (\$482.34) | \$ | $(67,789.76)$ |
| 4 | Sep-21 | 75,530 | \$ (67,789.76) | \$ | 37,160.76 | \$ 37,064.14 | - | \$ 48,480.63 | (\$438.67) | \$ | $(56,811.94)$ |
| 5 | Oct-21 | 74,624 | \$ $(56,811.94)$ | \$ | 26,373.57 | \$ 26,304.99 | - | \$ 48,480.63 | (\$323.09) | \$ | $(34,959.39)$ |
| 6 | Nov-21 | 83,203 | \$ (34,959.39) | \$ | 29,405.49 | \$ 29,329.04 | - | \$ 52,236.49 | (\$166.09) | \$ | $(12,218.03)$ |
| 7 | Dec-21 | 102,750 | \$ $(12,218.03)$ | \$ | 36,314.00 | \$ 36,219.59 | - | \$ 48,480.63 | (\$43.01) | \$ | - |

## NOTES

Column (C), Line 1: Rate ( $\$ / \mathrm{kWh}$ ) to be charged from October 2021 through December 2021 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of December 31, 2021.
Column (B), Line 2: Page 5, Line 53 for June 2021 Balance
Column (C), Line 2: Page 5, Line 54 for July 2021
Column (F), Line 2: Page 5, Line 69 for July 2021
Column (A) = Forecasted nonshopping MWh from Page 8, Column F
Column $(B)=(H)$, Previous Row
Column $(C)=(A) *(C) 1^{*} 1000$ except August and September 2021 see page 6, Line 3, Columns D and E
Column (D)=(C)*(1-(D)1)
Column (E) = Page 5, Line 73 for July 2021
Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, and Legal. See Page 7, Column L
Column (G) $=(\mathrm{B}+(\mathrm{F}-\mathrm{D}) / 2)^{*}(\mathrm{G}$ Line 1$)+\mathrm{E}$
Column (H) $=(B-D+F+G)$

## ESTIMATED AER REVENUE

|  | A | B | C |  | D |  | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Q3 AER |  |  |  |  |  |  |
|  | Aug-21 | Sep-21 | ¢/kWh |  | Aug-21 |  | Sep-21 |
| 1 OE | 302,382,699 | 243,167,826 | 0.0570 | \$ | 172,358 | \$ | 138,606 |
| 2 CEI | 181,331,405 | 144,347,986 | 0.0557 | \$ | 101,002 | \$ | 80,402 |
| 3 TE | 94,903,231 | 75,529,999 | 0.0492 | \$ | 46,692 | \$ | 37,161 |

NOTES
Columns (A) and (B) totals tie to the total forecasted Non Shopped kWh from Page 8
Column (D) = Column (A) * Column (C) / 100
Column (E) = Column (B) * Column (C) / 100

## Exhibit E

## Estimated AER Expense



NOTES
Estimates provided by Regulated Commodity Sourcing, and Legal
Estimated Audit Expenses includes auditor fees and external legal fees
Column J = Column A + Column D + Column G
Column K = Column B + Column E + Column H
Column L = Column C + Column F + Column I

## Case No. 20-1668-EL-RDR

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Source: Forecast as of August 2021 excluding estimated kWh for mercantile customers registered as self-assessing purchasers under R.C. 5727.81(C)

## RIDER AER

## Alternative Energy Resource Rider

## APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning January 1, 2021, for all kWhs per kWh:

## RATE:

AER charge
$0.0777 \phi$

## PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

Pursuant to R.C. 4928.644(B), mercantile customers registered as self-assessing purchasers under R.C. 5727.81(C) are exempt from the charges set forth in this Rider effective January 1, 2020.

## RIDER UPDATES:

The charges contained in this Rider shall be updated and reconciled on a quarterly basis. No later than December 1st, March 1st, June 1st and September 1st of each year, the Company will file with the PUCO a request for approval of the Rider charges which, unless otherwise ordered by the PUCO, shall become effective on a service rendered basis on January 1st, April 1st, July 1st and October 1st of each year, beginning October 1, 2016. This Rider is subject to reconciliation, including, but not limited to increases or refunds. Such reconciliation shall be based solely upon the results of audits ordered by the Commission in accordance with the July 18, 2012 Opinion and Order in Case No. 12-1230-EL-SSO, and the March 31, 2016 Opinion and Order in Case No. 14-1297-EL-SSO.

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## RATE:

AER charge
$0.0687 \phi$

## PROVISIONS:

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## RATE:

AER charge
$0.0727 \phi$

## PROVISIONS:

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and 19-2031-EL-UNC respectively and Case No. 20-1668-EL-RDR, before
The Public Utilities Commission of Ohio

## RIDER AER

Alternative Energy Resource Rider

## APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning April 1, 2021, for all kWhs per kWh:

## RATE:

AER charge
0.1076 ¢

## PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

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Alternative Energy Resource Rider

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## RATE:

$$
\text { AER charge } 0.1098 ¢
$$

## PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

Pursuant to R.C. 4928.644(B), mercantile customers registered as self-assessing purchasers under R.C. 5727.81(C) are exempt from the charges set forth in this Rider effective January 1, 2020.

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## RIDER AER

Alternative Energy Resource Rider

## APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning April 1, 2021, for all kWhs per kWh:

## RATE:

AER charge
$0.0994 ¢$

## PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

Pursuant to R.C. 4928.644(B), mercantile customers registered as self-assessing purchasers under R.C. 5727.81(C) are exempt from the charges set forth in this Rider effective January 1, 2020.

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## RIDER AER

## Alternative Energy Resource Rider

## APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning July 1, 2021, for all kWhs per kWh:

## RATE:

AER charge
$0.0557 \phi$

## PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

Pursuant to R.C. 4928.644(B), mercantile customers registered as self-assessing purchasers under R.C. 5727.81(C) are exempt from the charges set forth in this Rider effective January 1, 2020.

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## APPLICABILITY:

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## RATE:

AER charge
$0.0570 \phi$

## PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

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## APPLICABILITY:

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## RATE:

AER charge
$0.0492 \phi$

## PROVISIONS:

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## RIDER AER

## Alternative Energy Resource Rider

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## RATE:

AER charge
$0.0319 \phi$

## PROVISIONS:

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## RATE:

AER charge
$0.0440 \phi$

## PROVISIONS:

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## RATE:

AER charge
$0.0353 \phi$

## PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

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The Public Utilities Commission of Ohio

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in

## Case No(s). 20-1668-EL-RDR

Summary: Report In Support of Staff's 2021 Annual Review of the Alternative Energy Resource Rider (Rider AER) electronically filed by Karen A. Sweeney on behalf of The Cleveland Electric Illuminating Company and Ohio Edison Company and The Toledo Edison Company and Danford, Emily V

