

Duke Energy Carolinas, LLC
DSM/EE Cost Recovery Rider 12
Docket Number E-7 Sub 1230
Exhibit Summary of Rider EE Exhibits and Factors

Residential Billing Factors

Residential Billing Factor for Rider 12 True-up (EMF) Components

| Line | | |
|------|---------------------------------------------------------------------|-----------------------------------------------|
| 1 | Year 2017 EE/DSM True-Up (EMF) Revenue Requirement | Miller Exhibit 2 pg.1 Line 15 (4,091,589) |
| 2 | Year 2018 EE/DSM True-Up (EMF) Revenue Requirement | Miller Exhibit 2 pg 2 Line 15 2,657,792 |
| 3 | Year 2019 EE/DSM True-Up (EMF) Revenue Requirement | Miller Exhibit 2 pg 3 Line 15 24,548,789 |
| 4 | Total True-up (EMF) Revenue Requirement | Sum Lines 1-3 \$ 23,114,993 |
| 5 | Projected NC Residential Sales (kWh) for rate period | Miller Exhibit 6 pg. 1, Line 1 22,092,324,452 |
| 6 | EE/DSM Revenue Requirement EMF Residential Rider EE (cents per kWh) | Line 4 / Line 5 * 100 0.1046 |

Residential Billing Factor for Rider 12 Prospective Components

| | | |
|----|-----------------------------------------------------------------------------|-----------------------------------------------|
| 7 | Vintage 2018 Total EE/DSM Prospective Amounts Revenue Requirement | Miller Exhibit 2 pg. 2, Line 15 - |
| 8 | Vintage 2019 Total EE/DSM Prospective Amounts Revenue Requirement | Miller Exhibit 2 pg. 3, Line 15 5,296,780 |
| 9 | Vintage 2020 Total EE/DSM Prospective Amounts Revenue Requirement | Miller Exhibit 2 pg. 4, Line 1 4,495,479 |
| 10 | Vintage 2021 Total EE/DSM Prospective Amounts Revenue Requirement | Miller Exhibit 2 pg 5, Line 11 82,640,766 |
| 11 | Total Prospective Revenue Requirement | Sum Lines 7-10 \$ 92,433,026 |
| 12 | Projected NC Residential Sales (kWh) for rate period | Miller Exhibit 6 pg. 1, Line 1 22,092,324,452 |
| 13 | EE/DSM Revenue Requirement Prospective Residential Rider EE (cents per kWh) | Line 11 / Line 12 * 100 0.4184 |

Total Revenue Requirements in Rider 12 from Residential Customers

| | | |
|----|---------------------------------------------------------------------------|-----------------------------------------|
| 14 | Total True-up (EMF) Revenue Requirement | Line 4 \$ 23,114,993 |
| 15 | Total Prospective Revenue Requirement | Line 11 92,433,026 |
| 16 | Total EE/DSM Revenue Requirement for Residential Rider EE | Line 14 + Line 15 \$ 115,548,019 |
| 17 | Total EE/DSM Revenue Requirement for Residential Rider EE (cents per kWh) | Line 6 + Line 13 0.5230 |

Non-Residential Billing Factors for Rider 12 True-up (EMF) Components

| | | |
|----|-------------------------------------------------------------------------------------|------------------------------------------------|
| 18 | Vintage Year 2017 EE True-up (EMF) Revenue Requirement | Miller Exhibit 2 pg. 1, Line 25 \$ 5,650,795 |
| 19 | Projected Year 2017 EE Participants NC Non-Residential Sales (kwh) for rate period | Miller Exhibit 6 Line 4 16,498,870,944 |
| 20 | EE Revenue Requirement Year 2017 EMF Non-Residential Rider EE (cents per kWh) | Line 18/Line 19 * 100 0.0342 |
| 21 | Vintage Year 2017 DSM True-up (EMF) Revenue Requirement | Miller Exhibit 2 pg. 1, Line 35 \$ 6,539 |
| 22 | Projected Year 2017 DSM Participants NC Non-Residential Sales (kwh) for rate period | Miller Exhibit 6 Line 5 16,933,914,400 |
| 23 | DSM Revenue Requirement Year 2017 EMF Non-Residential Rider EE (cents per kWh) | Line 21/Line 22 * 100 - |
| 24 | Vintage Year 2018 EE True-up (EMF) Revenue Requirement | Miller Exhibit 2 pg. 2, Line 25 \$ (784,173) |
| 25 | Projected Year 2018 EE Participants NC Non-Residential Sales (kwh) for rate period | Miller Exhibit 6 Line 6 15,929,504,199 |
| 26 | EE Revenue Requirement Year 2018 EMF Non-Residential Rider EE (cents per kWh) | Line 24/Line 25 * 100 (0.0049) |
| 27 | Vintage Year 2018 DSM True-up (EMF) Revenue Requirement | Miller Exhibit 2 pg. 2, Line 35 \$ (243,015) |
| 28 | Projected Year 2018 DSM Participants NC Non-Residential Sales (kwh) for rate period | Miller Exhibit 6 Line 7 16,832,538,740 |
| 29 | DSM Revenue Requirement Year 2018 EMF Non-Residential Rider EE (cents per kWh) | Line 27/Line 28 * 100 (0.0014) |
| 30 | Vintage Year 2019 EE True-up (EMF) Revenue Requirement | Miller Exhibit 2 pg. 3, Line 25 \$ (3,536,280) |
| 31 | Projected Year 2019 EE Participants NC Non-Residential Sales (kwh) for rate period | Miller Exhibit 6 Line 8 15,707,415,542 |
| 32 | EE Revenue Requirement Year 2019 EMF Non-Residential Rider EE (cents per kWh) | Line 30/Line 31 * 100 (0.0225) |
| 33 | Vintage Year 2019 DSM True-up (EMF) Revenue Requirement | Miller Exhibit 2 pg. 3, Line 35 \$ 310,097 |
| 34 | Projected Year 2019 DSM Participants NC Non-Residential Sales (kwh) for rate period | Miller Exhibit 6 Line 9 16,897,018,794 |
| 35 | DSM Revenue Requirement Year 2019 EMF Non-Residential Rider EE (cents per kWh) | Line 33/Line 34 * 100 0.0018 |

Non-Residential Billing Factors for Rider 12 Prospective Components

| | | | | |
|----|----------------------------------------------------------------------------------------------------------------|---------------------------------|----|----------------|
| 36 | Vintage Year 2018 EE Prospective Amounts Revenue Requirement | Miller Exhibit 2 pg. 2, Line 25 | \$ | 2,182,027 |
| 37 | Projected Program Year 2018 EE Participants NC Non-Residential Sales (kwh) for rate period | Miller Exhibit 6 Line 6 | | 15,929,504,199 |
| 38 | <i>EE Revenue Requirement Vintage 2018 Prospective Component for Non-Residential Rider EE (cents per kWh)</i> | Line 36/Line 37 * 100 | | 0.0137 |
| 39 | Vintage Year 2019 EE Prospective Amounts Revenue Requirement | Miller Exhibit 2 pg. 3, Line 25 | \$ | 10,794,655 |
| 40 | Projected Vintage 2019 EE Participants NC Non-Residential Sales (kwh) for rate period | Miller Exhibit 6 Line 8 | | 15,707,415,542 |
| 41 | <i>EE Revenue Requirement Vintage 2019 Prospective Component for Non-Residential Rider EE (cents per kWh)</i> | Line 39/Line 40 * 100 | | 0.0687 |
| 42 | Vintage Year 2020 EE Prospective Amounts Revenue Requirement | Miller Exhibit 2 pg. 4, Line 4 | \$ | 9,376,721 |
| 43 | Projected Vintage 2020 EE Participants NC Non-Residential Sales (kwh) for rate period | Miller Exhibit 6 Line 10 | | 15,330,345,599 |
| 44 | <i>EE Revenue Requirement Vintage 2020 Prospective Component for Non-Residential Rider EE (cents per kWh)</i> | Line 42/Line 43 * 100 | | 0.0612 |
| 45 | Vintage Year 2021 EE Prospective Amounts Revenue Requirement | Miller Exhibit 2 pg. 5, Line 18 | \$ | 53,990,117 |
| 46 | Projected Vintage 2021 EE Participants NC Non-Residential Sales (kwh) for rate period | Miller Exhibit 6 Line 12 | | 15,330,345,599 |
| 47 | <i>EE Revenue Requirement Vintage 2021 Prospective Component for Non-Residential Rider EE (cents per kWh)</i> | Line 45/Line 46 * 100 | | 0.3522 |
| 48 | Vintage Year 2021 DSM Prospective Amounts Revenue Requirement | Miller Exhibit 2 pg. 5, Line 25 | \$ | 20,278,628 |
| 49 | Projected Vintage 2021 DSM Participants NC Non-Residential Sales (kwh) for rate period | Miller Exhibit 6 Line 13 | | 16,898,362,794 |
| 50 | <i>DSM Revenue Requirement Vintage 2021 Prospective Component for Non-Residential Rider EE (cents per kWh)</i> | Line 48/Line 49 * 100 | | 0.1200 |
| | Total EMF Rate | | | 0.0072 |
| | Total Prospective Rate | | | 0.6158 |

Total Revenue Requirements in Rider 12 from Non-Residential Customers

| | | | | |
|----|---------------------------------------------------------------|-------------------|--|-------------------|
| 51 | Vintage Year 2017 EE True-up (EMF) Revenue Requirement | Line 18 | | 5,650,795 |
| 52 | Vintage Year 2017 DSM True-up (EMF) Revenue Requirement | Line 21 | | 6,539 |
| 53 | Vintage Year 2018 EE True-up (EMF) Revenue Requirement | Line 24 | | (784,173) |
| 54 | Vintage Year 2018 DSM True-up (EMF) Revenue Requirement | Line 27 | | (243,015) |
| 55 | Vintage Year 2019 EE True-up (EMF) Revenue Requirement | Line 30 | | (3,536,280) |
| 56 | Vintage Year 2019 DSM True-up (EMF) Revenue Requirement | Line 33 | | 310,097 |
| 57 | Vintage Year 2018 EE Prospective Amounts Revenue Requirement | Line 36 | | 2,182,027 |
| 58 | Vintage Year 2019 EE Prospective Amounts Revenue Requirement | Line 39 | | 10,794,655 |
| 59 | Vintage Year 2020 EE Prospective Amounts Revenue Requirement | Line 42 | | 9,376,721 |
| 60 | Vintage Year 2021 EE Prospective Amounts Revenue Requirement | Line 45 | | 53,990,117 |
| 61 | Vintage Year 2021 DSM Prospective Amounts Revenue Requirement | Line 48 | | 20,278,628 |
| | Total Non-Residential Revenue Requirement in Rider 12 | Sum (Lines 51-61) | | 98,026,112 |

Duke Energy Carolinas, LLC
 Docket No. E-7, Sub 1230
 True Up of Year 1, 2 and 3 Lost Revenues for Vintage Year 2017

RESIDENTIAL
Energy Efficiency Programs

| Line | Reference | E-7 Sub 1105 | E-7 Sub 1130 | E-7 Sub 1164 | E-7 Sub 1164 | E-7 Sub 1192 | E-7 Sub 1192 | E-7 Sub 1230 | Year 2017 |
|------|--------------------------------------------------------------------|-------------------------|----------------------------|------------------|---------------------------|------------------|----------------------------|------------------|-----------|
| | | Rider 8 Year 1 Estimate | Year 2017 Yr 2 LR Estimate | Rider 10 True up | Year 2017 Year 3 Estimate | Rider 11 True Up | Year 2017 Yr 4 LR Estimate | Rider 12 True up | |
| 1 | Residential EE Program Cost | | | | | | | | |
| 2 | Residential EE Earned Utility Incentive | | | | | | | | |
| 3 | Return on undercollection of Residential EE Program Costs | | | | | | | | |
| 4 | Total EE Program Cost and Incentive Components | | | | | | | | |
| 5 | Residential DSM Program Cost | | | | | | | | |
| 6 | Residential DSM Earned Utility Incentive | | | | | | | | |
| 7 | Return on undercollection of Residential DSM Program Costs | | | | | | | | |
| 8 | Total DSM Program Cost and Incentive Components | | | | | | | | |
| 9 | Total EE/DSM Program Cost and Incentive Components | | | | | | | | |
| 10 | Revenue-related taxes and regulatory fees factor ** | | | | | | | | |
| 11 | Total EE/DSM Program Cost and Incentive Revenue Requirement | | | | | | | | |
| 12 | Residential Net Lost Revenues | | | | | | | | |
| 13 | Total Residential EE/DSM Revenue Requirement | | | | | | | | |
| 14 | Total Collected for Vintage Year 2017 (through estimated Rider 10) | | | | | | | | |
| 15 | Total Residential EE/DSM Revenue Requirement | | | | | | | | |

See Miller Exhibit A for rate

NON-RESIDENTIAL
Energy Efficiency Programs

| Line | Reference | E-7 Sub 1105 | E-7 Sub 1130 | E-7 Sub 1164 | E-7 Sub 1164 | E-7 Sub 1192 | E-7 Sub 1192 | E-7 Sub 1230 | Year 2017 |
|------|--------------------------------------------------------------------------|-------------------------|----------------------------|------------------|---------------------------|------------------|----------------------------|------------------|-----------|
| | | Rider 8 Year 1 Estimate | Year 2017 Yr 2 LR Estimate | Rider 10 True up | Year 2017 Year 3 Estimate | Rider 11 True Up | Year 2017 Yr 4 LR Estimate | Rider 12 True up | |
| 16 | Non-Residential EE Program Cost | | | | | | | | |
| 17 | Non-Residential EE Earned Utility Incentive | | | | | | | | |
| 18 | Return on undercollection of Non-Residential EE Program Costs | | | | | | | | |
| 19 | Total EE Program Cost and Incentive Components | | | | | | | | |
| 20 | Revenue-related taxes and regulatory fees factor | | | | | | | | |
| 21 | Total Non-Residential EE Program Cost and Incentive Revenue Requirements | | | | | | | | |
| 22 | Non-Residential Net Lost Revenues | | | | | | | | |
| 23 | Total Non-Residential EE Revenue Requirement | | | | | | | | |
| 24 | Total Collected for Vintage Year 2017 (through estimated Rider 10) | | | | | | | | |
| 25 | Non-Residential EE Revenue Requirement | | | | | | | | |
| 26 | Projected NC Residential Sales (kWh) | | | | | | | | |
| 27 | NC Non-Residential EE billing factor (Cents/kWh) | | | | | | | | |

DSM Programs

| Line | Reference | E-7 Sub 1105 | E-7 Sub 1164 | E-7 Sub 1192 | E-7 Sub 1230 | Year 2017 |
|------|--------------------------------------------------------------------|-------------------------|------------------|------------------|------------------|-----------|
| | | Rider 8 Year 1 Estimate | Rider 10 True Up | Rider 11 True Up | Rider 12 True up | |
| 28 | Non-Residential DSM Program Cost | | | | | |
| 29 | Non-Residential DSM Earned Utility Incentive | | | | | |
| 30 | Return on undercollection of Non-Residential DSM Program Costs | | | | | |
| 31 | Total Non-Residential DSM Program Cost and Incentive Components | | | | | |
| 32 | Revenue-related taxes and regulatory fees factor | | | | | |
| 33 | Total Non-Residential DSM Revenue Requirement | | | | | |
| 34 | Total Collected for Vintage Year 2017 (through estimated Rider 10) | | | | | |
| 35 | Non-Residential EE Revenue Requirement True-up Amount | | | | | |
| 36 | Projected NC Non-Residential Sales (kWh) | | | | | |
| 37 | NC Non-Residential DSM billing factor | | | | | |

** Actual regulatory fee rate in effect in year of collection. May differ from original filed estimates.

Duke Energy Carolinas, LLC
 Docket No. E-7, Sub 1230
 Estimated Year 4 Lost Revenue and True Up of Year 1 and Year 2 for Vintage Year 2018

RESIDENTIAL
Energy Efficiency Programs

| Line | Reference | Year 2018 Yr 4 LR Estimate |
|------|-----------------------------------------------------------------------------------------------|----------------------------|
| 1 | Residential EE Program Cost Evans Exhibit 1 pg. 2, Line 10 * NC Alloc. Factor | |
| 2 | Residential EE Earned Utility Incentive Evans Exhibit 1 pg. 2, Line 10 * NC Alloc. Factor | |
| 3 | Return on undercollection of Residential EE Program Costs Miller Exhibit 3 pg 5 | |
| 4 | Total EE Program Cost and Incentive Components Line 1 + Line 2 + line 3 | |
| 5 | Residential DSM Program Cost Evans Exhibit 1 pg. 2, Line 11 * NC Alloc. Factor | |
| 6 | Residential DSM Earned Utility Incentive Evans Exhibit 1 pg. 2, Line 11 * NC Alloc. Factor | |
| 7 | Return on undercollection of Residential DSM Program Costs Miller Exhibit 3 pg 6 | |
| 8 | Total DSM Program Cost and Incentive Components Line 5 + Line 6 + Line 7 | |
| 9 | Total EE/DSM Program Cost and Incentive Components Line 4 + Line 8 | |
| 10 | Revenue-related taxes and regulatory fees factor ** Miller Exhibit 2, pg. 6 | |
| 11 | Total EE/DSM Program Cost and Incentive Revenue Requirement Line 9 * Line 10 | |
| 12 | Residential Net Lost Revenues Evans Exhibit 2 pg. 3 | \$ - |
| 13 | Total Residential EE/DSM Revenue Requirement Line 11 + Line 12 | - |
| 14 | Total Collected for Vintage Year 2018 (through estimated Rider 10) Miller Exhibit 4 Line 2 | |
| 15 | Total Residential EE/DSM Revenue Requirement Line 13 - Line 14 | \$ - |

Note: No prospective Year 4 lost revenue is included in this exhibit because the rate case test period was extended for residential customers.

| E-7 Sub 1130 | E-7 Sub 1164 | E-7 Sub 1192 | E-7 Sub 1192 | E-7 Sub 1230 | |
|-------------------------|----------------------------|------------------|----------------------------|------------------|---------------|
| Rider 9 Year 1 Estimate | Year 2018 Yr 2 LR Estimate | Rider 11 True up | Year 2018 Yr 3 LR Estimate | Rider 12 True up | Year 2018 |
| \$ 41,623,609 | | \$ 14,606,717 | | \$ (0) | \$ 56,230,326 |
| 5,511,264 | | 4,154,068 | | 140,649 | 9,805,981 |
| | | 244,540 | | 1,024,850 | 1,269,390 |
| 47,134,873 | | 19,005,325 | | 1,165,498 | 67,305,696 |
| 9,903,130 | | (124,235) | | 0 | 9,778,895 |
| 2,569,925 | | 17,215 | | (5,581) | 2,581,559 |
| | | (28,626) | | (40,884) | (69,510) |
| 12,473,055 | | (135,646) | | (46,465) | 12,290,944 |
| 59,607,928 | | 18,869,679 | | 1,119,034 | 79,596,641 |
| 1,001,402 | | 1,001,352 | | 1,001,302 | |
| 59,691,498 | | 18,895,191 | | 1,120,491 | 79,707,180 |
| 19,612,717 | 6,294,025 | 894,901 | 9,715,212 | 1,546,239 | 38,063,094 |
| 79,304,216 | 6,294,025 | 19,790,092 | 9,715,212 | 2,666,729 | 117,770,271 |
| | | | | | 115,112,484 |
| | | | | | \$ 2,657,792 |

See Miller Exhibit A for rate

NON-RESIDENTIAL
Energy Efficiency Programs

| Line | Reference | Year 2018 Yr 4 LR Estimate |
|------|--------------------------------------------------------------------------------------------------|----------------------------|
| 16 | Non-Residential EE Program Cost Evans Exhibit 1 pg. 2, Line 26 * NC Alloc. Factor | |
| 17 | Non-Residential EE Earned Utility Incentive Evans Exhibit 1 pg. 2, Line 26 * NC Alloc. Factor | |
| 18 | Return on undercollection of Non-residential EE Program Costs Miller Exhibit 3 page 6 | |
| 19 | Total EE Program Cost and Incentive Components Line 16 + Line 17 + Line 18 | |
| 20 | Revenue-related taxes and regulatory fees factor Miller Exhibit 2, pg. 7 | |
| 21 | Total Non-Residential EE Program Cost and Incentive Revenue Requirements Line 19 * Line 20 | |
| 22 | Non-Residential Net Lost Revenues Evans Exhibit 2 pg. 3 | 2,182,027 |
| 23 | Total Non-Residential EE Revenue Requirement Line 21 + Line 22 | 2,182,027 |
| 24 | Total Collected for Vintage Year 2018 (through estimated Rider 10) Miller Exhibit 4 Line 7 | |
| 25 | Non-Residential EE Revenue Requirement Line 23 - Line 24 | 2,182,027 |
| 26 | Projected NC Residential Sales (kWh) Miller Exhibit 6, Line 6 | 15,929,504,199 |
| 27 | NC Non-Residential EE billing factor (Cents/kWh) Line 25/Line 26*100 | 0.0137 |

Note: Only non-residential customer lost revenues earned after the rate case test period have been included.

| E-7 Sub 1105 | E-7 Sub 1130 | E-7 Sub 1192 | E-7 Sub 1192 | E-7 Sub 1230 | |
|-------------------------|----------------------------|------------------|----------------------------|------------------|----------------|
| Rider 9 Year 1 Estimate | Year 2018 Yr 2 LR Estimate | Rider 11 True up | Year 2018 Yr 3 LR Estimate | Rider 12 True up | Year 2018 |
| 40,592,949 | | (3,317,005) | | 0 | 37,275,944 |
| 11,623,199 | | 2,818,045 | | (25,396) | 14,415,848 |
| | | 461,049 | | 592,305 | 1,053,354 |
| 52,216,148 | | (37,911) | | 566,910 | 52,745,147 |
| 1,001,402 | | 1,001,352 | | 1,001,302 | |
| 52,289,355 | | (37,962) | | 567,648 | 52,819,041 |
| 5,167,253 | 8,746,000 | 2,933,863 | 9,507,185 | (1,090,744) | 25,263,557 |
| 57,456,608 | 8,746,000 | 2,895,901 | 9,507,185 | (523,097) | 78,082,597 |
| | | | | | 78,866,770 |
| | | | | | (784,173) |
| | | | | | 15,929,504,199 |
| | | | | | (0.0049) |

DSM Programs

| Line | Reference | Year 2018 Yr 4 LR Estimate |
|------|---------------------------------------------------------------------------------------------------|----------------------------|
| 28 | Non-Residential DSM Program Cost Evans Exhibit 1, pg. 2 Line 28 * NC Alloc. Factor | |
| 29 | Non-Residential DSM Earned Utility Incentive Evans Exhibit 1, pg. 2 Line 28 * NC Alloc. Factor | |
| 30 | Return on undercollection of Non-residential DSM Program Costs Miller Exhibit 3 page 8 | |
| 31 | Total Non-Residential DSM Program Cost and Incentive Components Line 28 + Line 29 + Line 30 | |
| 32 | Revenue-related taxes and regulatory fees factor Miller Exhibit 2, pg. 6 | |
| 33 | Total Non-Residential DSM Revenue Requirement Line 31 * Line 32 | |
| 34 | Total Collected for Vintage Year 2018 (through estimated Rider 10) Miller Exhibit 4 Line 11 | |
| 35 | Non-Residential EE Revenue Requirement True-up Amount Line 33- Line 34 | |
| 36 | Projected NC Non-Residential Sales (kWh) Miller Exhibit 6 Line 7 | |
| 37 | NC Non-Residential DSM billing factor Line 35/Line 36*100 | |

** Actual regulatory fee rate in effect in year of collection. May differ from original filed estimates.

| E-7 Sub 1105 | E-7 Sub 1192 | E-7 Sub 1230 | |
|-------------------------|------------------|------------------|----------------|
| Rider 9 Year 1 Estimate | Rider 11 True Up | Rider 12 True up | Year 2018 |
| 11,959,889 | 651,281 | (0) | 12,611,170 |
| 3,103,667 | 232,789 | (7,197) | 3,329,259 |
| - | 37,743 | 76,651 | 37,743 |
| 15,063,556 | 921,813 | 69,454 | 15,978,172 |
| 1,001,402 | 1,001,352 | 1,001,302 | |
| 15,084,675 | 923,059 | 69,544 | 16,007,734 |
| | | | 16,250,749 |
| | | | (243,015) |
| | | | 16,832,538,740 |
| | | | (0.0014) |

Duke Energy Carolinas, LLC
 Docket No. E-7, Sub 1230
 Estimated Year 3 Lost Revenue and True Up of Year 1 for Vintage Year 2019

RESIDENTIAL
Energy Efficiency Programs

| Line | Reference | Year 2019 Yr 3 LR Estimate |
|------|-----------------------------------------------------------------------------------------------|----------------------------|
| 1 | Residential EE Program Cost Evans Exhibit 1 pg. 3, Line 10 * NC Alloc. Factor | |
| 2 | Residential EE Earned Utility Incentive Evans Exhibit 1 pg. 3, Line 10 * NC Alloc. Factor | |
| 3 | Return on undercollection of Residential EE Program Costs Miller Exhibit 3 pg 9 | |
| 4 | Total EE Program Cost and Incentive Components Line 1 + Line 2 + line 3 | |
| 5 | Residential DSM Program Cost Evans Exhibit 1 pg. 3, Line 11 * NC Alloc. Factor | |
| 6 | Residential DSM Earned Utility Incentive Evans Exhibit 1 pg. 3, Line 11 * NC Alloc. Factor | |
| 7 | Return on undercollection of Residential DSM Program Costs Miller Exhibit 3 pg 10 | |
| 8 | Total DSM Program Cost and Incentive Components Line 5 + Line 6 + Line 7 | |
| 9 | Total EE/DSM Program Cost and Incentive Components Line 4 + Line 8 | |
| 10 | Revenue-related taxes and regulatory fees factor ** Miller Exhibit 2, pg. 6 | |
| 11 | Total EE/DSM Program Cost and Incentive Revenue Requirement Line 9 * Line 10 | |
| 12 | Residential Net Lost Revenues Evans Exhibit 2 pg. 3 | \$ 5,296,780 |
| 13 | Total Residential EE/DSM Revenue Requirement Line 11 + Line 12 | 5,296,780 |
| 14 | Total Collected for Vintage Year 2018 (through estimated Rider 10) Miller Exhibit 4 Line 3 | |
| 15 | Total Residential EE/DSM Revenue Requirement Line 13 + Line 14 | \$ 5,296,780 |

| E-7 Sub 1164 | E-7 Sub 1192 | E-7 Sub 1230 | Year 2019 |
|--------------------------|----------------------------|------------------|---------------|
| Rider 10 Year 1 Estimate | Year 2019 Yr 2 LR Estimate | Rider 11 True up | Year 2019 |
| \$ 41,002,874 | | \$ 13,983,083 | \$ 54,985,957 |
| 3,801,819 | | 3,210,820 | 7,012,639 |
| | | 102,420 | 102,420 |
| 44,804,693 | | 17,296,322 | 62,101,015 |
| 10,577,352 | | (311,318) | 10,266,034 |
| 2,773,086 | | 542,116 | 3,315,202 |
| | | (6,742) | (6,742) |
| 13,350,438 | | 224,055 | 13,574,493 |
| 58,155,131 | | 17,520,377 | 75,675,508 |
| 1,001,402 | | 1,001,352 | |
| 58,236,664 | | 17,544,065 | 75,780,729 |
| 18,783,204 | 5,519,302 | 6,717,857 | 31,020,363 |
| 77,019,869 | 5,519,302 | 24,261,921 | 106,801,092 |
| | | | 82,252,303 |
| | | | \$ 24,548,789 |

See Miller Exhibit A for rate

NON-RESIDENTIAL
Energy Efficiency Programs

| Line | Reference | Year 2019 Yr 3 LR Estimate |
|------|--------------------------------------------------------------------------------------------------|----------------------------|
| 16 | Non- Residential EE Program Cost Evans Exhibit 1 pg. 3, Line 26 * NC Alloc. Factor | |
| 17 | Non-Residential EE Earned Utility Incentive Evans Exhibit 1 pg. 3, Line 26 * NC Alloc. Factor | |
| 18 | Return on undercollection of Non-residential EE Program Costs Miller Exhibit 3 page 12 | |
| 19 | Total EE Program Cost and Incentive Components Line 16 + Line 17 + Line 18 | |
| 20 | Revenue-related taxes and regulatory fees factor Miller Exhibit 2, pg. 6 | |
| 21 | Total Non-Residential EE Program Cost and Incentive Revenue Requirements Line 19 * Line 20 | |
| 22 | Non-Residential Net Lost Revenues Evans Exhibit 2 pg. 3 | 10,794,655 |
| 23 | Total Non-Residential EE Revenue Requirement Line 21 + Line 22 | 10,794,655 |
| 24 | Total Collected for Vintage Year 2018 (through estimated Rider 10) Miller Exhibit 4 Line 8 | |
| 25 | Non-Residential EE Revenue Requirement Line 23 - Line 24 | 10,794,655 |
| 26 | Projected NC Residential Sales (kWh) Miller Exhibit 6, Line 8 | 15,707,415,542 |
| 27 | NC Non-Residential EE billing factor (Cents/kWh) Line 25/Line 26*100 | 0.0687 |

| E-7 Sub 1164 | E-7 Sub 1192 | E-7 Sub 1230 | Year 2019 |
|--------------------------|----------------------------|------------------|----------------|
| Rider 10 Year 1 Estimate | Year 2019 Yr 2 LR Estimate | Rider 11 True up | Year 2019 |
| 41,671,833 | | (8,707,615) | 32,964,218 |
| 8,464,629 | | 1,874,884 | 10,339,513 |
| | | (554,249) | (554,249) |
| 50,136,462 | | (7,386,979) | 42,749,483 |
| 1,001,402 | | 1,001,352 | |
| 50,206,753 | | (7,396,966) | 42,809,787 |
| 5,590,446 | 9,219,870 | 452,216 | 15,262,532 |
| 55,797,199 | 9,219,870 | (6,944,751) | 58,072,319 |
| | | | 61,608,599 |
| | | | (3,536,280) |
| | | | 15,707,415,542 |
| | | | (0.0225) |

DSM Programs

| Line | Reference | Year 2019 Yr 3 LR Estimate |
|------|---------------------------------------------------------------------------------------------------|----------------------------|
| 28 | Non-Residential DSM Program Cost Evans Exhibit 1, pg. 3 Line 28 * NC Alloc. Factor | |
| 29 | Non-Residential DSM Earned Utility Incentive Evans Exhibit 1, pg. 3 Line 28 * NC Alloc. Factor | |
| 30 | Return on undercollection of Non-residential DSM Program Costs Miller Exhibit 3 page 16 | |
| 31 | Total Non-Residential DSM Program Cost and Incentive Components Line 28 + Line 29 + Line 30 | |
| 32 | Revenue-related taxes and regulatory fees factor Miller Exhibit 2, pg. 6 | |
| 33 | Total Non-Residential DSM Revenue Requirement Line 31 * Line 32 | |
| 34 | Total Collected for Vintage Year 2018 (through estimated Rider 10) Miller Exhibit 4 Line 12 | |
| 35 | Non-Residential EE Revenue Requirement True-up Amount Line 33- Line 34 | |
| 36 | Projected NC Non-Residential Sales (kWh) Miller Exhibit 6 Line 9 | |
| 37 | NC Non-Residential DSM billing factor Line 35/Line 36*100 | |

| E-7 Sub 1164 | E-7 Sub 1230 | Year 2019 |
|--------------------------|------------------|----------------|
| Rider 10 Year 1 Estimate | Rider 11 True Up | Year 2019 |
| 12,538,168 | (465,183) | 12,072,985 |
| 3,287,157 | 611,563 | 3,898,720 |
| - | (9,911) | (9,911) |
| 15,825,325 | 136,469 | 15,961,794 |
| 1,001,402 | 1,001,352 | |
| 15,847,512 | 136,654 | 15,984,166 |
| | | 15,674,069 |
| | | 310,097 |
| | | 16,897,018,794 |
| | | 0.0018 |

** Actual regulatory fee rate in effect in year of collection. May differ from original filed estimates.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1230
Estimated Year 2 Lost Revenues for Vintage Year 2020

RESIDENTIAL

| Line | Reference | 2020 |
|------------------------------------------------|--------------------------|-------------------|
| 1 Residential Net Lost Revenues | Evans Exhibit 2 pg. 3 | 4,495,479 |
| 2 Projected NC Residential Sales (kWh) | Miller Exhibit 6, Line 1 | \$ 22,092,324,452 |
| 3 NC Residential EE Billing Factor (Cents/kWh) | Line 1/Line 2*100 | 0.0203 |

NON-RESIDENTIAL
Energy Efficiency Programs

| Line | Reference | 2020 |
|----------------------------------------------------|---------------------------|----------------|
| 4 Non-Residential Net Lost Revenues | Evans Exhibit 2 pg. 3 | 9,376,721 |
| 5 Projected NC Non-Residential Sales (kWh) | Miller Exhibit 6, Line 10 | 15,330,345,599 |
| 6 NC Non-Residential EE billing factor (Cents/kWh) | Line 4/Line 5*100 | 0.0612 |

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1230
Estimated Program Costs, Earned Incentive and Lost Revenues for Vintage Year 2021

RESIDENTIAL

| Line | Reference | 2021 |
|---------------------------------------------------------------|-------------------------------------------|----------------------|
| 1 Residential EE Program Cost | Evans Exhibit 1, pg. 4 * NC Alloc. Factor | \$ 37,155,471 |
| 2 Residential EE Earned Utility Incentive | Evans Exhibit 1, pg. 4 * NC Alloc. Factor | 2,979,803 |
| 3 Total EE Program Cost and Incentive Components | Line 1 + Line 2, Evans Exhibit 1, Line 10 | 40,135,274 |
| 4 Residential DSM Program Cost | Evans Exhibit 1, pg. 4 * NC Alloc. Factor | 13,699,485 |
| 5 Residential DSM Earned Utility Incentive | Evans Exhibit 1, pg. 4 * NC Alloc. Factor | 3,521,640 |
| 6 Total DSM Program Cost and Incentive Components | Line 4 + Line 5, Evans Exhibit 1, Line 12 | 17,221,124 |
| 7 Total EE/DSM Program Cost and Incentive Components | Line 3 + Line 6 | 57,356,398 |
| 8 Revenue-related taxes and regulatory fees factor | Miller Exhibit 2, pg. 6 | 1.001302 |
| 9 Total EE/DSM Program Cost and Incentive Revenue Requirement | Line 7 * Line 8 | 57,431,076 |
| 10 Residential Net Lost Revenues | Evans Exhibit 2 pg. 3 | 25,209,690 |
| 11 Total Residential EE Revenue Requirement | Line 9 + Line 10 | \$ 82,640,766 |

See Miller Exhibit 1
for rate

NON-RESIDENTIAL

Energy Efficiency Programs

| Line | Reference | 2021 |
|-----------------------------------------------------------------------------|---------------------------------------------|----------------|
| 12 Non- Residential EE Program Cost | Evans Exhibit 1, pg. 4 * NC Alloc. Factor | \$ 38,264,959 |
| 13 Non-Residential EE Earned Utility Incentive | Evans Exhibit 1, pg. 4 * NC Alloc. Factor | 9,302,510 |
| 14 Total EE Program Cost and Incentive Components | Line 12 + Line 13, Evans Exhibit 1, Line 27 | 47,567,470 |
| 15 Revenue-related taxes and regulatory fees factor | Miller Exhibit 2, pg. 6 | 1.001302 |
| 16 Total Non-Residential EE Program Cost and Incentive Revenue Requirements | Line 14 * Line 15 | 47,629,402 |
| 17 Non-Residential Net Lost Revenues | Evans Exhibit 2 pg. 3 | 6,360,715 |
| 18 Total Non-Residential EE Revenue Requirement | Line 16 + Line 17 | \$ 53,990,117 |
| 19 Projected NC Residential Sales (kWh) | Miller Exhibit 6, pg. 1, Line 12 | 15,330,345,599 |
| 20 NC Non-Residential EE billing factor (Cents/kWh) | Line 18/Line 19*100 | 0.3522 |

DSM Programs

| Line | Reference | 2021 |
|--------------------------------------------------------------------|---------------------------------------------|----------------|
| 21 Non-Residential DSM Program Cost | Evans Exhibit 1, pg. 4 * NC Alloc. Factor | \$ 16,110,767 |
| 22 Non-Residential DSM Earned Utility Incentive | Evans Exhibit 1, pg. 4 * NC Alloc. Factor | 4,141,493 |
| 23 Total Non-Residential DSM Program Cost and Incentive Components | Line 21 + Line 22, Evans Exhibit 1, Line 29 | 20,252,260 |
| 24 Revenue-related taxes and regulatory fees factor | Miller Exhibit 2, pg. 6 | 1.001302 |
| 25 Total Non-Residential DSM Revenue Requirement | Line 23 * Line 24 | 20,278,628 |
| 26 Projected NC Non-Residential Sales (kWh) | Miller Exhibit 6, pg. 1, Line 13 | 16,898,362,794 |
| 27 NC Non-Residential DSM billing factor | Line 25/Line 26*100 | 0.1200 |

**Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1230
Gross Receipts Tax Years 2017 through estimated 2021**

| | <u>Year</u> | | <u>Actual GRT Rate In Effect</u> |
|----------|-------------|------------------|----------------------------------|
| Rider 8 | 2017 | | 1.001402 |
| Rider 9 | 2018 | | 1.001402 |
| Rider 10 | 2019 | Jan - June | 1.001402 |
| | | July - Dec | 1.001302 |
| | | Weighted Average | <u>1.001352</u> |
| Rider 11 | 2020 | | 1.001302 |
| Rider 12 | 2021 | | 1.001302 |

Note: the current rate is used as the estimate for 2020 and 2021. This will be subject to true-up based on actual rates in effect.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1230
Estimated Return Calculation - Residential EE Programs Vintage 2017

| NC Residential EE | Cumulative | Current Income | Monthly | Cumulative | Net Deferred | Monthly Return | Monthly A/T | YTD After Tax | Gross up of | Gross up of Return |
|--------------------------|--------------|----------------|-----------------|-----------------|-------------------|----------------|--------------------|---------------|------------------|--------------------|
| | (Over)/Under | | Deferred Income | Deferred Income | | | | | Return to Pretax | |
| | Recovery | Tax Rate | Tax | Tax | After Tax Balance | 6.84% | Return on Deferral | Interest | Rate | to Pretax |
| | | 2019 | | | | | | | 0.766497 | |
| Beginning Balance | 18,108,325 | | | 4,276,263 | 13,832,062 | | | | | |
| 2019 January | 17,333,797 | 0.233503 | (180,855) | 4,095,408 | 13,238,389 | 0.005700 | 77,151 | 77,151 | 0.766497 | 100,654 |
| 2019 February | 15,462,902 | 0.233503 | (436,860) | 3,658,549 | 11,804,354 | 0.005700 | 71,372 | 148,523 | 0.766497 | 193,768 |
| 2019 March | 13,944,847 | 0.233503 | (354,470) | 3,304,078 | 10,640,769 | 0.005700 | 63,969 | 212,491 | 0.766497 | 277,224 |
| 2019 April | 12,660,896 | 0.233503 | (299,806) | 3,004,272 | 9,656,624 | 0.005700 | 57,848 | 270,339 | 0.766497 | 352,694 |
| 2019 May | 11,384,093 | 0.233503 | (298,137) | 2,706,135 | 8,677,959 | 0.005700 | 52,254 | 322,592 | 0.766497 | 420,866 |
| 2019 June | 9,751,263 | 0.233503 | (381,271) | 2,324,864 | 7,426,399 | 0.005700 | 45,897 | 368,490 | 0.766497 | 480,745 |
| 2019 July | 7,835,080 | 0.233503 | (447,434) | 1,877,429 | 5,957,651 | 0.005700 | 38,145 | 406,634 | 0.766497 | 530,510 |
| 2019 August | 5,860,857 | 0.233503 | (460,987) | 1,416,443 | 4,444,415 | 0.005700 | 29,646 | 436,280 | 0.766497 | 569,187 |
| 2019 September | 4,031,804 | 0.233503 | (427,089) | 989,353 | 3,042,451 | 0.005700 | 21,338 | 457,618 | 0.766497 | 597,025 |
| 2019 October | 2,584,177 | 0.233503 | (338,025) | 651,328 | 1,932,849 | 0.005700 | 14,180 | 471,797 | 0.766497 | 615,524 |
| 2019 November | 1,321,934 | 0.233503 | (294,738) | 356,590 | 965,343 | 0.005700 | 8,260 | 480,057 | 0.766497 | 626,300 |
| 2019 December | (2,633,637) | 0.233503 | (923,638) | (567,047) | (2,066,590) | 0.005700 | (3,139) | 476,919 | 0.766497 | 622,205 |
| | | | | | | | 476,919 | | | 622,205 |

Note 1: Amounts represent all revenue actually collected through 2019.

Interest Calculation
2019 - Rider 10

| NC Residential EE | NC Program Costs Incurred | Revenue Collected | Undercollected Balance | Lost Revenues | Revenues Collected | Undercollected Balance | PPI | Revenue Collected | Undercollected Balance | Total (Over)/Under Collection |
|-------------------|---------------------------|-------------------|------------------------|---------------|--------------------|------------------------|-----------|-------------------|------------------------|-------------------------------|
| 2017 January | | | | | | | | | | |
| 2017 February | | | | | | | | | | |
| 2017 March | | | | | | | | | | |
| 2017 April | | | | | | | | | | |
| 2017 May | | | | | | | | | | |
| 2017 June | | | | | | | | | | |
| 2017 July | | | | | | | | | | |
| 2017 August | | | | | | | | | | |
| 2017 September | | | | | | | | | | |
| 2017 October | | | | | | | | | | |
| 2017 November | | | | | | | | | | |
| 2017 December | 47,487,858 | 29,379,532 | 18,108,326 | 23,357,250 | 14,450,538 | 8,906,712 | 8,570,768 | 5,302,517 | 3,268,251 | 30,283,290 |
| YTD Balance | 47,487,858 | 29,379,532 | 18,108,326 | 23,357,250 | 14,450,538 | 8,906,712 | 8,570,768 | 5,302,517 | 3,268,251 | 30,283,290 |

| Revenue Requirement | | |
|------------------------------|------------|------|
| Res EE Program Costs | 47,487,858 | 0.60 |
| Res EE PPI & GRT | 8,570,768 | 0.11 |
| Res EE Lost Revenue | 23,357,250 | 0.29 |
| | 79,415,876 | |
| Total Revenue Collected | 49,132,586 | |
| Residential EE Rev Collected | 49,132,586 | |

Interest Calculation
2020 - Rider 11

| NC Residential EE | NC Program Costs Incurred | Revenue Collected | Undercollected Balance | Lost Revenues | Revenues Collected | Undercollected Balance | PPI | Revenue Collected | Undercollected Balance | Total (Over)/Under Collection |
|--------------------|---------------------------|-------------------|------------------------|---------------|--------------------|------------------------|-----------|-------------------|------------------------|-------------------------------|
| Beginning Balance | 47,487,858 | 29,379,532 | 18,108,326 | 23,357,250 | 14,450,538 | 8,906,712 | 8,570,768 | 5,302,517 | 3,268,251 | 30,283,290 |
| 2018 January | | | | | 234,785 | | | (22,935) | | |
| 2018 February | | | | | 461,305 | | | (45,062) | | |
| 2018 March | | | | | 339,367 | | | (33,151) | | |
| 2018 April | | | | | 341,793 | | | (33,388) | | |
| 2018 May | | | | | 298,837 | | | (29,192) | | |
| 2018 June | | | | | 426,042 | | | (41,618) | | |
| 2018 July | | | | | 489,050 | | | (47,773) | | |
| 2018 August | | | | | 450,004 | | | (43,958) | | |
| 2018 September | | | | | 483,004 | | | (47,182) | | |
| 2018 October | | | | | 341,239 | | | (33,334) | | |
| 2018 November | | | | | 315,399 | | | (30,810) | | |
| 2018 December | | | | 2,572,270 | 735,271 | | (251,270) | (71,824) | | |
| YTD Balance | - | - | - | 2,572,270 | 4,916,096 | (2,343,826) | (251,270) | (480,225) | 228,955 | (2,114,871) |
| Cumulative Balance | 47,487,858 | 29,379,532 | 18,108,326 | 25,929,520 | 19,366,634 | 6,562,886 | 8,319,498 | 4,822,291 | 3,497,207 | 28,168,419 |

| Revenue Requirement | | |
|-------------------------------|-----------|--------|
| Res EE PPI & GRT | (251,270) | (0.11) |
| Res EE Lost Revenue | 2,572,270 | 1.11 |
| | 2,321,000 | |
| Revenue Collected per Exhibit | 4,435,871 | |
| Checkpoint | 4,435,871 | |

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| Interest Calculation | NC Program Costs Incurred | Revenue Collected | Undercollected Balance | Lost Revenues | Revenues Collected | Undercollected Balance | PPI | Revenue Collected | Undercollected Balance | Total (Over)/Under Collection |
|------------------------------------|---------------------------|-------------------|------------------------|---------------|--------------------|------------------------|-----------|-------------------|------------------------|-------------------------------|
| 2021 - Rider 12 | | | | | | | | | | |
| Beg. Bal. - Source Rider 11 | 47,487,858 | 29,379,532 | 18,108,326 | 25,929,520 | 19,366,634 | 6,562,886 | 8,319,498 | 4,822,291 | 3,497,207 | 28,168,419 |
| 2019 January | | 774,528 | 17,333,797 | 165,137 | 459,291 | 6,268,732 | | 149,582 | 3,347,624 | 26,950,154 |
| 2019 February | | 1,870,895 | 15,462,902 | 398,893 | 1,109,430 | 5,558,195 | | 361,320 | 2,986,304 | 24,007,401 |
| 2019 March | | 1,518,055 | 13,944,847 | 323,664 | 900,198 | 4,981,661 | | 293,177 | 2,693,126 | 21,619,635 |
| 2019 April | | 1,283,951 | 12,660,896 | 273,751 | 761,376 | 4,494,036 | | 247,966 | 2,445,161 | 19,600,094 |
| 2019 May | | 1,276,803 | 11,384,093 | 272,227 | 757,137 | 4,009,126 | | 246,585 | 2,198,576 | 17,591,795 |
| 2019 June | | 1,632,830 | 9,751,263 | 348,135 | 968,259 | 3,389,002 | | 315,344 | 1,883,232 | 15,023,497 |
| 2019 July | | 1,916,183 | 7,835,080 | 408,549 | 1,136,286 | 2,661,265 | | 370,067 | 1,513,165 | 12,009,511 |
| 2019 August | | 1,974,223 | 5,860,857 | 420,924 | 1,170,703 | 1,911,486 | | 381,276 | 1,131,890 | 8,904,233 |
| 2019 September | | 1,829,053 | 4,031,804 | 389,972 | 1,084,618 | 1,216,839 | | 353,240 | 778,650 | 6,027,294 |
| 2019 October | | 1,447,627 | 2,584,177 | 308,648 | 858,435 | 667,053 | | 279,576 | 499,074 | 3,750,304 |
| 2019 November | | 1,262,243 | 1,321,934 | 269,123 | 748,503 | 187,672 | | 243,773 | 255,301 | 1,764,907 |
| 2019 December | | 2,796,434 | (1,474,501) | 596,227 | 1,658,270 | (874,371) | | 540,067 | (284,766) | (2,633,637) |
| YTD Balance | - | 19,582,827 | (1,474,501) | 4,175,250 | 11,612,507 | (874,371) | - | 3,781,972 | (284,766) | (2,633,637) |
| Cumulative Balance | 47,487,858 | 48,962,359 | (1,474,501) | 30,104,770 | 30,979,141 | (874,371) | 8,319,498 | 8,604,264 | (284,766) | (2,633,637) |

| | | |
|------------------------------------|-------------------|------|
| Revenue Requirement | | |
| Res Program Costs | 18,108,326 | 0.56 |
| Res PPI & GRT | 3,497,207 | 0.11 |
| Res Lost Revenue | 10,738,136 | 0.33 |
| | <u>32,343,668</u> | |
| Revenue Collected in 2019 | 35,500,650 | |
| Less Interest Collected (and GRT): | <u>523,344</u> | |
| Checkpoint | 34,977,306 | |

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1230
Estimated Return Calculation - Residential DSM Programs Vintage 2017

| NC Residential DSM | Total System NC DSM Program Costs Incurred | NC Residential DSM Allocation % | NC Allocated DSM Residential Program Costs | NC Residential Revenue Collected | NC Residential DSM Program Collection % | DSM Program Costs Revenue Collected | (Over)/Under Collection |
|--------------------------|--------------------------------------------------|---------------------------------------|--------------------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------------------------|----------------------------|
| | Miller Exhibit 5, pg 3 Line 9 | | | | See calc. at right | | |
| Beginning Balance | 29,822,653 | | 10,082,297 | 12,781,955 | | (9,892,053) | 190,244 |
| 2019 January | | 32.1574721% | - | 10,519 | 73.0104618% | (7,680) | (7,680) |
| 2019 February | | 32.1574721% | - | 24,953 | 73.0104618% | (18,218) | (18,218) |
| 2019 March | | 32.1574721% | - | 20,307 | 73.0104618% | (14,827) | (14,827) |
| 2019 April | | 32.1574721% | - | 17,225 | 73.0104618% | (12,576) | (12,576) |
| 2019 May | | 32.1574721% | - | 17,131 | 73.0104618% | (12,508) | (12,508) |
| 2019 June | | 32.1574721% | - | 21,819 | 73.0104618% | (15,930) | (15,930) |
| 2019 July | | 32.1574721% | - | 25,549 | 73.0104618% | (18,653) | (18,653) |
| 2019 August | | 32.1574721% | - | 26,313 | 73.0104618% | (19,211) | (19,211) |
| 2019 September | | 32.1574721% | - | 24,402 | 73.0104618% | (17,816) | (17,816) |
| 2019 October | | 32.1574721% | - | 19,380 | 73.0104618% | (14,150) | (14,150) |
| 2019 November | | 32.1574721% | - | 16,940 | 73.0104618% | (12,368) | (12,368) |
| 2019 December | | 32.1574721% | - | 37,138 | 73.0104618% | (27,115) | (27,115) |
| | 29,822,653 | | 10,082,297 | 261,676 | | (10,083,104) | (807) |

| | |
|--------------------------------------------------|---------------|
| Program Costs to be Recovered in Rider 10 | 190,244 |
| Revenues to be Collected in Rider 10 | 260,571 |
| % Revenue to be assigned to Program Costs | 73.01% |

| NC Residential DSM | Cumulative (Over)/Under Recovery | Current Income Tax Rate | Monthly Deferred Income Tax | Cumulative Deferred Income Tax | Net Deferred After Tax Balance | Monthly Return | Monthly A/T Return on Deferral | YTD After Tax Interest | Gross up of Return to Pretax Rate | Gross up of Return to Pretax |
|--------------------------|----------------------------------------|----------------------------|-----------------------------------|--------------------------------------|--------------------------------------|----------------|-----------------------------------|---------------------------|-----------------------------------------|---------------------------------|
| | | 2019 | | | | 6.84% | | | 0.766497 | |
| Beginning Balance | 190,244 | | | 44,926 | 145,318 | | | | | |
| 2019 January | 182,564 | 0.233503 | (1,793) | 43,133 | 139,432 | 0.005700 | 812 | 812 | 0.766497 | 1,059 |
| 2019 February | 164,346 | 0.233503 | (4,254) | 38,879 | 125,467 | 0.005700 | 755 | 1,566 | 0.766497 | 2,044 |
| 2019 March | 149,520 | 0.233503 | (3,462) | 35,417 | 114,103 | 0.005700 | 683 | 2,249 | 0.766497 | 2,934 |
| 2019 April | 136,943 | 0.233503 | (2,937) | 32,480 | 104,463 | 0.005700 | 623 | 2,872 | 0.766497 | 3,747 |
| 2019 May | 124,436 | 0.233503 | (2,921) | 29,560 | 94,876 | 0.005700 | 568 | 3,440 | 0.766497 | 4,488 |
| 2019 June | 108,506 | 0.233503 | (3,720) | 25,840 | 82,666 | 0.005700 | 506 | 3,946 | 0.766497 | 5,148 |
| 2019 July | 89,853 | 0.233503 | (4,356) | 21,484 | 68,368 | 0.005700 | 430 | 4,377 | 0.766497 | 5,710 |
| 2019 August | 70,641 | 0.233503 | (4,486) | 16,998 | 53,643 | 0.005700 | 348 | 4,724 | 0.766497 | 6,164 |
| 2019 September | 52,825 | 0.233503 | (4,160) | 12,838 | 39,987 | 0.005700 | 267 | 4,991 | 0.766497 | 6,512 |
| 2019 October | 38,676 | 0.233503 | (3,304) | 9,534 | 29,141 | 0.005700 | 197 | 5,188 | 0.766497 | 6,769 |
| 2019 November | 26,308 | 0.233503 | (2,888) | 6,646 | 19,662 | 0.005700 | 139 | 5,327 | 0.766497 | 6,950 |
| 2019 December | (807) | 0.233503 | (6,331) | 315 | (1,122) | 0.005700 | 53 | 5,380 | 0.766497 | 7,019 |
| | | | | | | | 5,380 | | | 7,019 |

Note 1: Amounts represent all revenue actually collected through 2019.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1230
Estimated Return Calculation - Non- Residential EE Programs Vintage 2017

| NC Non- Residential EE | Non-Residential EE Program Costs | | NC Allocated EE Program Costs | NC Residential Revenue Collected | NC Non-Residential EE Program Collection % | Non-Residential EE Program Costs Revenue Collected | (Over)/Under Collection |
|--------------------------|----------------------------------|-----------------|-------------------------------|----------------------------------|--------------------------------------------|----------------------------------------------------|-------------------------|
| | Incurred | NC Allocation % | | | | | |
| | Miller Exhibit 5, pg 3, Line 4 | | | | See calc. at right | | |
| Beginning Balance | 97,443,527 | | 70,947,415 | 46,928,129 | | (30,933,661) | 40,013,754 |
| 2019 January | | 73.0903918% | - | 1,115,901 | 59.0752989% | (659,222) | (659,221) |
| 2019 February | | 73.0903918% | - | 5,298,136 | 59.0752989% | (3,129,890) | (3,129,890) |
| 2019 March | | 73.0903918% | - | 4,769,940 | 59.0752989% | (2,817,856) | (2,817,856) |
| 2019 April | | 73.0903918% | - | 4,871,558 | 59.0752989% | (2,877,888) | (2,877,888) |
| 2019 May | | 73.0903918% | - | 5,351,721 | 59.0752989% | (3,161,545) | (3,161,545) |
| 2019 June | | 73.0903918% | - | 5,741,655 | 59.0752989% | (3,391,900) | (3,391,900) |
| 2019 July | | 73.0903918% | - | 6,484,109 | 59.0752989% | (3,830,507) | (3,830,507) |
| 2019 August | | 73.0903918% | - | 6,541,734 | 59.0752989% | (3,864,549) | (3,864,549) |
| 2019 September | | 73.0903918% | - | 6,393,213 | 59.0752989% | (3,776,809) | (3,776,809) |
| 2019 October | | 73.0903918% | - | 5,592,962 | 59.0752989% | (3,304,059) | (3,304,059) |
| 2019 November | | 73.0903918% | - | 4,992,945 | 59.0752989% | (2,949,597) | (2,949,597) |
| 2019 December | | 73.0903918% | - | 7,058,299 | 59.0752989% | (4,169,711) | (4,169,711) |
| | 97,443,527 | | 70,947,415 | 64,212,173 | | (68,867,194) | 2,080,222 |

| | |
|--------------------------------------------------|---------------|
| Program Costs to be Recovered in Rider 10 | 40,013,754 |
| Revenues to be Collected in Rider 10 | 67,733,477 |
| % Revenue to be assigned to Program Costs | 59.08% |

| NC Non-Residential EE | Cumulative (Over)/Under Recovery | Current Income Tax Rate | Monthly Deferred Income Tax | Cumulative Deferred Income Tax | Net Deferred After Tax Balance | Monthly Return | Monthly A/T Return on Deferral | YTD After Tax Interest | Gross up of Return to Pretax Rate | Gross up of Return to Pretax |
|--------------------------|----------------------------------|-------------------------|-----------------------------|--------------------------------|--------------------------------|----------------|--------------------------------|------------------------|-----------------------------------|------------------------------|
| | 2019 | 2019 | | | | 6.84% | | | 0.766497 | |
| Beginning Balance | 40,013,754 | | | 9,449,208 | 30,564,546 | | | | | |
| 2019 January | 39,354,533 | 0.233503 | (153,930.06) | 8,710,978 | 30,643,555 | 0.005700 | 174,443 | 174,443 | 0.766497 | 227,585 |
| 2019 February | 36,224,643 | 0.233503 | (730,838.68) | 7,980,139 | 28,244,504 | 0.005700 | 167,831 | 342,274 | 0.766497 | 446,543 |
| 2019 March | 33,406,787 | 0.233503 | (657,977.87) | 7,322,161 | 26,084,626 | 0.005700 | 154,838 | 497,112 | 0.766497 | 648,551 |
| 2019 April | 30,528,899 | 0.233503 | (671,995.41) | 6,650,166 | 23,878,734 | 0.005700 | 142,396 | 639,508 | 0.766497 | 834,325 |
| 2019 May | 27,367,354 | 0.233503 | (738,230.24) | 5,911,936 | 21,455,419 | 0.005700 | 129,202 | 768,710 | 0.766497 | 1,002,887 |
| 2019 June | 23,975,454 | 0.233503 | (792,018.79) | 5,119,917 | 18,855,538 | 0.005700 | 114,886 | 883,596 | 0.766497 | 1,152,772 |
| 2019 July | 20,144,948 | 0.233503 | (894,434.79) | 4,225,482 | 15,919,466 | 0.005700 | 99,109 | 982,705 | 0.766497 | 1,282,073 |
| 2019 August | 16,280,399 | 0.233503 | (902,383.77) | 3,323,098 | 12,957,301 | 0.005700 | 82,299 | 1,065,004 | 0.766497 | 1,389,443 |
| 2019 September | 12,503,589 | 0.233503 | (881,896.34) | 2,441,202 | 10,062,388 | 0.005700 | 65,606 | 1,130,610 | 0.766497 | 1,475,035 |
| 2019 October | 9,199,531 | 0.233503 | (771,507.64) | 1,669,694 | 7,529,836 | 0.005700 | 50,138 | 1,180,748 | 0.766497 | 1,540,447 |
| 2019 November | 6,249,933 | 0.233503 | (688,739.84) | 980,954 | 5,268,979 | 0.005700 | 36,477 | 1,217,224 | 0.766497 | 1,588,035 |
| 2019 December | 2,080,222 | 0.233503 | (973,640.05) | 7,314 | 2,072,908 | 0.005700 | 20,924 | 1,238,149 | 0.766497 | 1,615,334 |
| | | | | | | | 1,238,149 | | | 1,615,334 |

Note 1: Amounts represent all revenue actually collected through 2019.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1230
Estimated Return Calculation - Non - Residential DSM Programs Vintage 2017

| NC Non- Residential DSM | Total System NC | NC Non- | NC Allocated DSM Non- | NC Non-Residential | NC Non- | Non-Residential | (Over)/Under |
|--------------------------|-------------------------------------|-----------------|-----------------------|--------------------|-----------------|---------------------|--------------|
| | DSM Program | Residential DSM | Residential Program | DSM Revenue | Residential DSM | DSM Program Costs | |
| | Costs Incurred | Allocation % | Costs | Collected | Collection % | Revenue Collected | Collection |
| | See Miller Exhibit 5 pg. 3, Line 10 | | | | | | |
| Beginning Balance | 29,822,653 | 40.0747013% | 11,951,339 | 15,361,431 | | (11,888,233) | 63,106 |
| 2019 January | - | 40.1233224% | - | 1,278 | 73.1152446% | (934) | (934) |
| 2019 February | - | 40.1233224% | - | 7,283 | 73.1152446% | (5,325) | (5,325) |
| 2019 March | - | 40.1233224% | - | 6,513 | 73.1152446% | (4,762) | (4,762) |
| 2019 April | - | 40.1233224% | - | 6,752 | 73.1152446% | (4,937) | (4,937) |
| 2019 May | - | 40.1233224% | - | 7,322 | 73.1152446% | (5,353) | (5,353) |
| 2019 June | - | 40.1233224% | - | 7,794 | 73.1152446% | (5,699) | (5,699) |
| 2019 July | - | 40.1233224% | - | 8,919 | 73.1152446% | (6,521) | (6,521) |
| 2019 August | - | 40.1233224% | - | 8,938 | 73.1152446% | (6,535) | (6,535) |
| 2019 September | - | 40.1233224% | - | 8,747 | 73.1152446% | (6,396) | (6,396) |
| 2019 October | - | 40.1233224% | - | 7,718 | 73.1152446% | (5,643) | (5,643) |
| 2019 November | - | 40.1233224% | - | 6,913 | 73.1152446% | (5,055) | (5,055) |
| 2019 December | - | 40.1233224% | - | 8,271 | 73.1152446% | (6,048) | (6,048) |
| | <u>29,822,653</u> | | <u>11,951,339</u> | <u>15,447,879</u> | | <u>(11,951,439)</u> | <u>(100)</u> |

| | |
|-------------------------------------------|--------|
| Program Costs to be Recovered in Rider 10 | 63,106 |
| Revenues to be Collected in Rider 10 | 86,311 |
| | |
| % Revenue to be assigned to Program Costs | 73.12% |

| NC Non-Residential DSM | Cumulative | Current Income | Monthly Deferred | Cumulative | Net Deferred | Monthly Return | Monthly A/T Return on Deferral | YTD After Tax Interest | Gross up of | Gross up of Return to Pretax |
|--------------------------|-----------------------|----------------|------------------|---------------------|-------------------|----------------|--------------------------------|------------------------|-----------------------|------------------------------|
| | (Over)/Under Recovery | Tax Rate | Income Tax | Deferred Income Tax | After Tax Balance | | | | Return to Pretax Rate | |
| | 2019 | | | | | | | | | |
| | | | | | | 6.84% | | | 0.766497 | |
| Beginning Balance | 63,945 | | | 15,101 | 48,845 | | | | | |
| 2019 January | 63,011 | 0.233503 | (218) | 14,883 | 48,128 | 0.005700 | 276 | 276 | 0.766497 | 361 |
| 2019 February | 57,686 | 0.233503 | (1,243) | 13,639 | 44,046 | 0.005700 | 263 | 539 | 0.766497 | 703 |
| 2019 March | 52,924 | 0.233503 | (1,112) | 12,527 | 40,396 | 0.005700 | 241 | 780 | 0.766497 | 1,017 |
| 2019 April | 47,987 | 0.233503 | (1,153) | 11,375 | 36,612 | 0.005700 | 219 | 999 | 0.766497 | 1,304 |
| 2019 May | 42,634 | 0.233503 | (1,250) | 10,125 | 32,509 | 0.005700 | 197 | 1,196 | 0.766497 | 1,561 |
| 2019 June | 36,935 | 0.233503 | (1,331) | 8,794 | 28,141 | 0.005700 | 173 | 1,369 | 0.766497 | 1,786 |
| 2019 July | 30,414 | 0.233503 | (1,523) | 7,271 | 23,143 | 0.005700 | 146 | 1,515 | 0.766497 | 1,977 |
| 2019 August | 23,879 | 0.233503 | (1,526) | 5,745 | 18,133 | 0.005700 | 118 | 1,633 | 0.766497 | 2,130 |
| 2019 September | 17,483 | 0.233503 | (1,493) | 4,252 | 13,231 | 0.005700 | 89 | 1,722 | 0.766497 | 2,247 |
| 2019 October | 11,840 | 0.233503 | (1,318) | 2,934 | 8,906 | 0.005700 | 63 | 1,785 | 0.766497 | 2,329 |
| 2019 November | 6,786 | 0.233503 | (1,180) | 1,754 | 5,032 | 0.005700 | 40 | 1,825 | 0.766497 | 2,381 |
| 2019 December | 738 | 0.233503 | (1,412) | 342 | 396 | 0.005700 | 15 | 1,841 | 0.766497 | 2,401 |
| | | | | | | | 1,841 | | | 2,401 |

Note 1: Amounts represent all revenue actually collected through 2019.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1230
Estimated Return Calculation - Residential EE Programs Vintage 2018

| NC Residential EE | | Residential EE Program Costs Incurred | NC Allocated EE Program Costs | NC Residential Revenue Collected | NC Residential EE Program Collection % | EE Program Costs Revenue Collected | (Over)/Under Collection |
|-------------------|-----------|---------------------------------------|-------------------------------|----------------------------------|----------------------------------------|------------------------------------|-------------------------|
| | | Miller Exhibit 5 pg. 3, Line 4 | | see calc. at right | | | |
| 2019 | January | 77,331,818 | 56,230,324 | 70,458,658 | | | 15,050,447 |
| 2019 | February | | | | 0.0000000% | | |
| 2019 | March | | | | 0.0000000% | | |
| 2019 | April | | | | 0.0000000% | | |
| 2019 | May | | | | 0.0000000% | | |
| 2019 | June | | | | 0.0000000% | | |
| 2019 | July | | | | 0.0000000% | | |
| 2019 | August | | | | 0.0000000% | | |
| 2019 | September | | | | 0.0000000% | | |
| 2019 | October | | | | 0.0000000% | | |
| 2019 | November | | | | 0.0000000% | | |
| 2019 | December | | | | 0.0000000% | | |
| | | 77,331,818 | 56,230,324 | 70,458,658 | | | 15,050,447 |

Note: All revenues collected in Rider 10 were to collect Y2 of lost revenue. Therefore, no revenue received in 2019 would offset the under collected balance of program costs and a return would still be earned.

| NC Residential EE | | Cumulative (Over)/Under Recovery | Current Income Tax Rate | Monthly Deferred Income Tax | Cumulative Deferred Income Tax | Net Deferred After Tax Balance | Monthly Return | Monthly A/T Return on Deferral | YTD After Tax Interest | Gross up of Return to Pretax Rate | Gross up of Return to Pretax |
|-------------------|-----------|----------------------------------|-------------------------|-----------------------------|--------------------------------|--------------------------------|----------------|--------------------------------|------------------------|-----------------------------------|------------------------------|
| | | 2019 | | | | | 6.84% | 0.766497 | | | |
| 2019 | January | 15,050,447 | 0.233503 | 3,514,324 | 3,514,324 | 11,536,122 | 0.005700 | 62,230 | 62,230 | 0.766497 | 81,187 |
| 2019 | February | 15,050,447 | 0.233503 | - | 3,514,324 | 11,536,122 | 0.005700 | 65,756 | 127,985 | 0.766497 | 166,974 |
| 2019 | March | 15,050,447 | 0.233503 | - | 3,514,324 | 11,536,122 | 0.005700 | 65,756 | 193,741 | 0.766497 | 252,762 |
| 2019 | April | 15,050,447 | 0.233503 | - | 3,514,324 | 11,536,122 | 0.005700 | 65,756 | 259,497 | 0.766497 | 338,550 |
| 2019 | May | 15,050,447 | 0.233503 | - | 3,514,324 | 11,536,122 | 0.005700 | 65,756 | 325,253 | 0.766497 | 424,337 |
| 2019 | June | 15,050,447 | 0.233503 | - | 3,514,324 | 11,536,122 | 0.005700 | 65,756 | 391,009 | 0.766497 | 510,125 |
| 2019 | July | 15,050,447 | 0.233503 | - | 3,514,324 | 11,536,122 | 0.005700 | 65,756 | 456,765 | 0.766497 | 595,912 |
| 2019 | August | 15,050,447 | 0.233503 | - | 3,514,324 | 11,536,122 | 0.005700 | 65,756 | 522,521 | 0.766497 | 681,700 |
| 2019 | September | 15,050,447 | 0.233503 | - | 3,514,324 | 11,536,122 | 0.005700 | 65,756 | 588,277 | 0.766497 | 767,487 |
| 2019 | October | 15,050,447 | 0.233503 | - | 3,514,324 | 11,536,122 | 0.005700 | 65,756 | 654,033 | 0.766497 | 853,275 |
| 2019 | November | 15,050,447 | 0.233503 | - | 3,514,324 | 11,536,122 | 0.005700 | 65,756 | 719,789 | 0.766497 | 939,062 |
| 2019 | December | 15,050,447 | 0.233503 | - | 3,514,324 | 11,536,122 | 0.005700 | 65,756 | 785,544 | 0.766497 | 1,024,850 |

Note 1: Amounts represent all revenue actually collected through 2019.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1230
Estimated Return Calculation - Residential DSM Programs Vintage 2018

| NC Residential EE | | Total System NC DSM Program Costs Incurred | NC Allocation % | NC Allocated DSM Program Costs | NC Residential Revenue Collected | NC Residential DSM Program Collection % | DSM Program Costs Revenue Collected | (Over)/Under Collection |
|-------------------|-----------|--------------------------------------------------|-----------------|--------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------------------------|----------------------------|
| | | Miller Exhibit 5 pg. 3, Line 9 | | | see calc. at right | | | |
| 2019 | January | 30,409,405 | | 9,778,896 | 13,173,193 | | (10,402,600) | (623,705) |
| 2019 | February | | 0.0000000% | - | | 0.0000% | - | - |
| 2019 | March | | 0.0000000% | - | | 0.0000% | - | - |
| 2019 | April | | 0.0000000% | - | | 0.0000% | - | - |
| 2019 | May | | 0.0000000% | - | | 0.0000% | - | - |
| 2019 | June | | 0.0000000% | - | | 0.0000% | - | - |
| 2019 | July | | 0.0000000% | - | | 0.0000% | - | - |
| 2019 | August | | 0.0000000% | - | | 0.0000% | - | - |
| 2019 | September | | 0.0000000% | - | | 0.0000% | - | - |
| 2019 | October | | 0.0000000% | - | | 0.0000% | - | - |
| 2019 | November | | 0.0000000% | - | | 0.0000% | - | - |
| 2019 | December | | 0.0000000% | - | | 0.0000% | - | - |
| | | 30,409,405 | | 9,778,896 | 13,173,193 | | (10,402,600) | (623,705) |

Note: All revenues collected in Rider 10 were to collect Y2 of lost revenue. Therefore, no revenue received in 2019 would offset the under collected balance of program costs and a return would still be earned.

| NC Residential EE | | Cumulative (Over)/Under Recovery | Current Income Tax Rate | Monthly Deferred Income Tax | Cumulative Deferred Income Tax | Net Deferred After Tax Balance | Monthly Return | Monthly A/T Return on Deferral | YTD After Tax Interest | Gross up of Return to Pretax Rate | Gross up of Return to Pretax |
|-------------------|-----------|----------------------------------------|----------------------------|-----------------------------------|--------------------------------------|--------------------------------------|----------------|-----------------------------------|---------------------------|-----------------------------------------|---------------------------------|
| | | 2019 | | | 6.84% | | | 0.766497 | | | |
| 2019 | January | (623,705) | 0.233503 | (145,637) | (145,637) | (478,068) | 0.005700 | (1,362) | (1,362) | 0.766497 | (1,778) |
| 2019 | February | (623,705) | 0.233503 | - | (145,637) | (478,068) | 0.005700 | (2,725) | (4,087) | 0.766497 | (5,333) |
| 2019 | March | (623,705) | 0.233503 | - | (145,637) | (478,068) | 0.005700 | (2,725) | (6,812) | 0.766497 | (8,888) |
| 2019 | April | (623,705) | 0.233503 | - | (145,637) | (478,068) | 0.005700 | (2,725) | (9,537) | 0.766497 | (12,443) |
| 2019 | May | (623,705) | 0.233503 | - | (145,637) | (478,068) | 0.005700 | (2,725) | (12,262) | 0.766497 | (15,998) |
| 2019 | June | (623,705) | 0.233503 | - | (145,637) | (478,068) | 0.005700 | (2,725) | (14,987) | 0.766497 | (19,553) |
| 2019 | July | (623,705) | 0.233503 | - | (145,637) | (478,068) | 0.005700 | (2,725) | (17,712) | 0.766497 | (23,108) |
| 2019 | August | (623,705) | 0.233503 | - | (145,637) | (478,068) | 0.005700 | (2,725) | (20,437) | 0.766497 | (26,663) |
| 2019 | September | (623,705) | 0.233503 | - | (145,637) | (478,068) | 0.005700 | (2,725) | (23,162) | 0.766497 | (30,219) |
| 2019 | October | (623,705) | 0.233503 | - | (145,637) | (478,068) | 0.005700 | (2,725) | (25,887) | 0.766497 | (33,774) |
| 2019 | November | (623,705) | 0.233503 | - | (145,637) | (478,068) | 0.005700 | (2,725) | (28,612) | 0.766497 | (37,329) |
| 2019 | December | (623,705) | 0.233503 | - | (145,637) | (478,068) | 0.005700 | (2,725) | (31,337) | 0.766497 | (40,884) |
| | | | | | | | (31,337) | | | | (40,884) |

Note 1: Amounts represent all revenue actually collected through 2019.

Duke Energy Carolinas, LLC
 Docket No. E-7, Sub 1230
 Estimated Return Calculation - Non- Residential EE Programs Vintage 2018

| NC Non- Residential EE | Non-Residential EE Program Costs | | NC Allocated EE Program Costs | NC Residential Revenue Collected | NC Non-Residential EE Program Collection % | Non-Residential EE Program Costs Revenue Collected | (Over)/Under Collection |
|------------------------|----------------------------------|-----------------|-------------------------------|----------------------------------|--------------------------------------------|----------------------------------------------------|-------------------------|
| | Incurred | NC Allocation % | | | | | |
| | Miller Exhibit 5, pg 3, Line 4 | | | | See calc. at right | | |
| 2019 January | 51,264,448 | | 37,275,944 | 51,998,801 | | 28,240,012 | 9,035,932 |
| 2019 February | | 0.0000000% | - | | 0.0000000% | - | - |
| 2019 March | | 0.0000000% | - | | 0.0000000% | - | - |
| 2019 April | | 0.0000000% | - | | 0.0000000% | - | - |
| 2019 May | | 0.0000000% | - | | 0.0000000% | - | - |
| 2019 June | | 0.0000000% | - | | 0.0000000% | - | - |
| 2019 July | | 0.0000000% | - | | 0.0000000% | - | - |
| 2019 August | | 0.0000000% | - | | 0.0000000% | - | - |
| 2019 September | | 0.0000000% | - | | 0.0000000% | - | - |
| 2019 October | | 0.0000000% | - | | 0.0000000% | - | - |
| 2019 November | | 0.0000000% | - | | 0.0000000% | - | - |
| 2019 December | | 0.0000000% | - | | 0.0000000% | - | - |
| | 51,264,448 | | 37,275,944 | 51,998,801 | | 28,240,012 | 9,035,932 |

Note: All revenues collected in Rider 10 were to collect Y2 of lost revenue. Therefore, no revenue received in 2019 would offset the under collected balance of program costs and a return would still be earned.

| NC Non-Residential EE | Cumulative (Over)/Under Recovery | Current Income Tax Rate | Monthly Deferred Income Tax | Cumulative Deferred Income Tax | Net Deferred After Tax Balance | Monthly Return | Monthly A/T Return on Deferral | YTD After Tax Interest | Gross up of Return to Pretax Rate | Gross up of Return to Pretax |
|-----------------------|----------------------------------|-------------------------|-----------------------------|--------------------------------|--------------------------------|----------------|--------------------------------|------------------------|-----------------------------------|------------------------------|
| | | | | | | | | | | |
| 2019 January | 9,035,932 | 0.233503 | 2,109,917.24 | 2,109,917 | 6,926,015 | 0.005700 | 19,739 | 19,739 | 0.766497 | 25,752 |
| 2019 February | 9,035,932 | 0.233503 | - | 2,109,917 | 6,926,015 | 0.005700 | 39,478 | 59,217 | 0.766497 | 77,257 |
| 2019 March | 9,035,932 | 0.233503 | - | 2,109,917 | 6,926,015 | 0.005700 | 39,478 | 98,696 | 0.766497 | 128,762 |
| 2019 April | 9,035,932 | 0.233503 | - | 2,109,917 | 6,926,015 | 0.005700 | 39,478 | 138,174 | 0.766497 | 180,267 |
| 2019 May | 9,035,932 | 0.233503 | - | 2,109,917 | 6,926,015 | 0.005700 | 39,478 | 177,652 | 0.766497 | 231,772 |
| 2019 June | 9,035,932 | 0.233503 | - | 2,109,917 | 6,926,015 | 0.005700 | 39,478 | 217,131 | 0.766497 | 283,276 |
| 2019 July | 9,035,932 | 0.233503 | - | 2,109,917 | 6,926,015 | 0.005700 | 39,478 | 256,609 | 0.766497 | 334,781 |
| 2019 August | 9,035,932 | 0.233503 | - | 2,109,917 | 6,926,015 | 0.005700 | 39,478 | 296,087 | 0.766497 | 386,286 |
| 2019 September | 9,035,932 | 0.233503 | - | 2,109,917 | 6,926,015 | 0.005700 | 39,478 | 335,565 | 0.766497 | 437,791 |
| 2019 October | 9,035,932 | 0.233503 | - | 2,109,917 | 6,926,015 | 0.005700 | 39,478 | 375,044 | 0.766497 | 489,296 |
| 2019 November | 9,035,932 | 0.233503 | - | 2,109,917 | 6,926,015 | 0.005700 | 39,478 | 414,522 | 0.766497 | 540,801 |
| 2019 December | 9,035,932 | 0.233503 | - | 2,109,917 | 6,926,015 | 0.005700 | 39,478 | 454,000 | 0.766497 | 592,305 |

Note 1: Amounts represent all revenue actually collected through 2019.

Duke Energy Carolinas, LLC
 Docket No. E-7, Sub 1230
 Estimated Return Calculation - Non - Residential DSM Programs Vintage 2018

| | | Total System NC DSM Program Costs Incurred | NC Non- Residential DSM Allocation % | NC Allocated DSM Non- Residential Program Costs | NC Non-Residential DSM Revenue Collected | NC Non- Residential DSM Program Collection % | Non-Residential DSM Program Costs Revenue Collected | (Over)/Under Collection |
|------|-----------|--------------------------------------------------|--------------------------------------------|-------------------------------------------------------|------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------|----------------------------|
| | | See Miller Exhibit 5 pg. 3, Line 10 | | | | | | |
| 2019 | January | 30,409,405 | 41.4712829% | 12,611,170 | 14,074,924 | | (11,114,680) | 1,496,490 |
| 2019 | February | - | 41.4712829% | - | 249,056 | 78.9679563% | (196,674) | (196,674) |
| 2019 | March | - | 41.4712829% | - | 32,655 | 78.9679563% | (25,787) | (25,787) |
| 2019 | April | - | 41.4712829% | - | 38,629 | 78.9679563% | (30,505) | (30,505) |
| 2019 | May | - | 41.4712829% | - | 40,518 | 78.9679563% | (31,996) | (31,996) |
| 2019 | June | - | 41.4712829% | - | 43,631 | 78.9679563% | (34,455) | (34,455) |
| 2019 | July | - | 41.4712829% | - | 46,592 | 78.9679563% | (36,793) | (36,793) |
| 2019 | August | - | 41.4712829% | - | 53,325 | 78.9679563% | (42,110) | (42,110) |
| 2019 | September | - | 41.4712829% | - | 53,359 | 78.9679563% | (42,137) | (42,137) |
| 2019 | October | - | 41.4712829% | - | 52,348 | 78.9679563% | (41,338) | (41,338) |
| 2019 | November | - | 41.4712829% | - | 46,029 | 78.9679563% | (36,348) | (36,348) |
| 2019 | December | - | 41.4712829% | - | 80,167 | 78.9679563% | (63,306) | (63,306) |
| | | 30,409,405 | | 12,611,170 | 41,424 | | (11,696,128) | 915,042 |

Rider 10 included a true-up for the impact of opt-outs. All revenue collected in 2019 represents additional collections associated with that true-up. Amounts allocated at same % as calculated in Rider 10.

| | | Cumulative (Over)/Under Recovery | Current Income Tax Rate | Monthly Deferred Income Tax | Cumulative Deferred Income Tax | Net Deferred After Tax Balance | Monthly Return | Monthly A/T Return on Deferral | YTD After Tax Interest | Gross up of Return to Pretax Rate | Gross up of Return to Pretax | |
|------|-----------|----------------------------------------|----------------------------|--------------------------------|--------------------------------------|--------------------------------------|----------------|-----------------------------------|---------------------------|-----------------------------------------|---------------------------------|--|
| | | 2019 | | | | | | | | | | |
| | | | | | | | | 6.84% | | | | |
| | | 0.766497 | | | | | | | | | | |
| 2019 | January | 1,496,490 | 0.233503 | 349,435 | 349,435 | 1,147,055 | 0.005700 | 3,269 | 3,269 | 0.766497 | 4,265 | |
| 2019 | February | 1,299,816 | 0.233503 | (45,924) | 303,511 | 996,305 | 0.005700 | 6,109 | 9,378 | 0.766497 | 12,234 | |
| 2019 | March | 1,274,029 | 0.233503 | (6,021) | 297,490 | 976,540 | 0.005700 | 5,623 | 15,000 | 0.766497 | 19,570 | |
| 2019 | April | 1,243,524 | 0.233503 | (7,123) | 290,367 | 953,158 | 0.005700 | 5,500 | 20,500 | 0.766497 | 26,745 | |
| 2019 | May | 1,211,528 | 0.233503 | (7,471) | 282,895 | 928,633 | 0.005700 | 5,363 | 25,863 | 0.766497 | 33,742 | |
| 2019 | June | 1,177,074 | 0.233503 | (8,045) | 274,850 | 902,223 | 0.005700 | 5,218 | 31,081 | 0.766497 | 40,549 | |
| 2019 | July | 1,140,281 | 0.233503 | (8,591) | 266,259 | 874,022 | 0.005700 | 5,062 | 36,143 | 0.766497 | 47,154 | |
| 2019 | August | 1,098,171 | 0.233503 | (9,833) | 256,426 | 841,745 | 0.005700 | 4,890 | 41,033 | 0.766497 | 53,533 | |
| 2019 | September | 1,056,034 | 0.233503 | (9,839) | 246,587 | 809,447 | 0.005700 | 4,706 | 45,739 | 0.766497 | 59,673 | |
| 2019 | October | 1,014,696 | 0.233503 | (9,653) | 236,935 | 777,762 | 0.005700 | 4,524 | 50,263 | 0.766497 | 65,574 | |
| 2019 | November | 978,348 | 0.233503 | (8,487) | 228,447 | 749,901 | 0.005700 | 4,354 | 54,616 | 0.766497 | 71,255 | |
| 2019 | December | 915,042 | 0.233503 | (14,782) | 213,665 | 701,377 | 0.005700 | 4,136 | 58,753 | 0.766497 | 76,651 | |
| | | | | | | | | 58,753 | | | 76,651 | |

Note 1: Amounts represent all revenue actually collected through 2019.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1230
Estimated Return Calculation - Residential EE Programs Vintage 2019

| NC Residential EE | Residential EE Program Costs Incurred | NC Allocation % | NC Allocated EE Program Costs | NC Residential Revenue Collected | NC Residential EE Program Collection % | EE Program Costs Revenue Collected | (Over)/Under Collection | | |
|-------------------|---------------------------------------|-----------------|-------------------------------|----------------------------------|----------------------------------------|------------------------------------|-------------------------|-------------------------------------|--------------------|
| | | | | | | | | Miller Exhibit 5 pg. 3, Line 4 | see calc. at right |
| 2019 January | 4,224,800 | 73.0903918% | 3,087,923 | 2,558,632 | 62.7796% | (1,606,299) | 1,481,624 | | |
| 2019 February | 5,158,756 | 73.0903918% | 3,770,555 | 6,069,759 | 62.7796% | (3,810,570) | (40,015) | EE Program Costs | 54,985,957 |
| 2019 March | 5,303,004 | 73.0903918% | 3,875,986 | 4,939,785 | 62.7796% | (3,101,177) | 774,810 | EE Revenue Requirement | 87,585,718 |
| 2019 April | 6,291,523 | 73.0903918% | 4,598,499 | 4,190,063 | 62.7796% | (2,630,505) | 1,967,994 | | |
| 2019 May | 9,618,631 | 73.0903918% | 7,030,295 | 4,167,172 | 62.7796% | (2,616,134) | 4,414,161 | % Revenues related to program Costs | 62.7796% |
| 2019 June | 6,533,627 | 73.0903918% | 4,775,454 | 5,307,354 | 62.7796% | (3,331,935) | 1,443,518 | | |
| 2019 July | 6,248,948 | 73.0903918% | 4,567,381 | 6,214,794 | 62.7796% | (3,901,622) | 665,759 | | |
| 2019 August | 6,098,612 | 73.0903918% | 4,457,499 | 6,400,667 | 62.7796% | (4,018,313) | 439,187 | | |
| 2019 September | 4,923,805 | 73.0903918% | 3,598,828 | 5,935,759 | 62.7796% | (3,726,446) | (127,617) | | |
| 2019 October | 4,430,131 | 73.0903918% | 3,238,000 | 4,714,238 | 62.7796% | (2,959,580) | 278,421 | | |
| 2019 November | 5,485,441 | 73.0903918% | 4,009,330 | 4,120,545 | 62.7796% | (2,586,861) | 1,422,469 | | |
| 2019 December | 10,912,797 | 73.0903918% | 7,976,206 | 9,033,809 | 62.7796% | (5,671,388) | 2,304,818 | | |
| | 75,230,075 | | 54,985,957 | 63,652,577 | | (39,960,828) | 15,025,128 | | |

| NC Residential EE | Cumulative (Over)/Under Recovery | Current Income Tax Rate | Monthly Deferred Income Tax | Cumulative Deferred Income Tax | Net Deferred After Tax Balance | Monthly Return | Monthly A/T Return on Deferral | YTD After Tax Interest | Gross up of Return to Pretax Rate | Gross up of Return to Pretax |
|-------------------|----------------------------------|-------------------------|-----------------------------|--------------------------------|--------------------------------|----------------|--------------------------------|------------------------|-----------------------------------|------------------------------|
| | | | | | | | | | | |
| 2019 January | 1,481,624 | 0.233503 | 345,964 | 345,964 | 1,135,660 | 0.005700 | 62,230 | 62,230 | 0.766497 | 81,187 |
| 2019 February | 1,481,624 | 0.233503 | (9,344) | 345,964 | 1,135,660 | 0.005700 | 6,473 | 68,703 | 0.766497 | 89,632 |
| 2019 March | 1,481,624 | 0.233503 | 180,920 | 526,884 | 954,740 | 0.005700 | 5,958 | 74,660 | 0.766497 | 97,405 |
| 2019 April | 1,481,624 | 0.233503 | 459,533 | 805,496 | 676,128 | 0.005700 | 4,648 | 79,308 | 0.766497 | 103,469 |
| 2019 May | 1,481,624 | 0.233503 | 1,030,720 | 1,557,604 | (75,980) | 0.005700 | 1,710 | 81,019 | 0.766497 | 105,700 |
| 2019 June | 1,481,624 | 0.233503 | 337,066 | 1,142,562 | 339,062 | 0.005700 | 750 | 81,769 | 0.766497 | 106,678 |
| 2019 July | 1,481,624 | 0.233503 | 155,457 | 1,713,061 | (231,436) | 0.005700 | 307 | 82,075 | 0.766497 | 107,079 |
| 2019 August | 1,481,624 | 0.233503 | 102,551 | 1,245,114 | 236,511 | 0.005700 | 14 | 82,090 | 0.766497 | 107,097 |
| 2019 September | 1,481,624 | 0.233503 | (29,799) | 1,683,262 | (201,637) | 0.005700 | 99 | 82,189 | 0.766497 | 107,227 |
| 2019 October | 1,481,624 | 0.233503 | 65,012 | 1,310,126 | 171,499 | 0.005700 | (86) | 82,103 | 0.766497 | 107,115 |
| 2019 November | 1,481,624 | 0.233503 | 332,151 | 2,015,412 | (533,788) | 0.005700 | (1,033) | 81,071 | 0.766497 | 105,768 |
| 2019 December | 1,481,624 | 0.233503 | 538,182 | 1,848,307 | (366,683) | 0.005700 | (2,566) | 78,504 | 0.766497 | 102,420 |
| | | | | | | | 78,504 | | | 102,420 |

Note 1: Amounts represent all revenue actually collected through 2019.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1230
Estimated Return Calculation - Residential DSM Programs Vintage 2019

| NC Residential EE | Total System NC DSM Program | NC Allocation % | NC Allocated EE Program Costs | NC Residential Revenue Collected | NC Residential EE Program Collection % | NC Residential EE Program Costs Revenue Collected | (Over)/Under Collection |
|-------------------|-----------------------------------|-----------------|-------------------------------|----------------------------------|----------------------------------------|---------------------------------------------------|-------------------------|
| | | | | | | | |
| | Miller Exhibit 5 pg. 3, Line 9 | | | see calc. at right | | | |
| 2019 | January | 34.1181040% | 539,759 | 537,321 | 75.4841% | (405,592) | 134,167 |
| 2019 | February | 34.1181040% | 461,669 | 1,274,670 | 75.4841% | (962,173) | (500,504) |
| 2019 | March | 34.1181040% | 711,111 | 1,037,372 | 75.4841% | (783,050) | (71,939) |
| 2019 | April | 34.1181040% | 621,091 | 879,928 | 75.4841% | (664,205) | (43,114) |
| 2019 | May | 34.1181040% | 657,421 | 875,120 | 75.4841% | (660,577) | (3,156) |
| 2019 | June | 34.1181040% | 675,245 | 1,114,563 | 75.4841% | (841,317) | (166,072) |
| 2019 | July | 34.1181040% | 1,261,288 | 1,305,128 | 75.4841% | (985,164) | 276,124 |
| 2019 | August | 34.1181040% | 1,172,903 | 1,344,162 | 75.4841% | (1,014,628) | 158,275 |
| 2019 | September | 34.1181040% | 1,423,788 | 1,246,530 | 75.4841% | (940,931) | 482,856 |
| 2019 | October | 34.1181040% | 1,193,912 | 990,006 | 75.4841% | (747,297) | 446,615 |
| 2019 | November | 34.1181040% | 566,934 | 865,329 | 75.4841% | (653,185) | (86,251) |
| 2019 | December | 34.1181040% | 980,913 | 1,897,131 | 75.4841% | (1,432,032) | (451,119) |
| | | | 30,089,694 | 10,266,033 | 13,367,259 | (10,090,151) | 175,882 |

| | |
|-------------------------------------|------------|
| Program Costs | 10,266,034 |
| Revenue Requirement | 13,600,265 |
| | |
| % Revenues related to Program Costs | 75.4841% |

| NC Residential EE | Cumulative (Over)/Under Recovery | Current Income Tax Rate | Monthly Deferred Income Tax | Cumulative Deferred Income Tax | Net Deferred After Tax Balance | Monthly Return | Monthly A/T Return on Deferral | YTD After Tax Interest | Gross up of | |
|-------------------|----------------------------------|-------------------------|-----------------------------|--------------------------------|--------------------------------|----------------|--------------------------------|------------------------|-----------------------|------------------------------|
| | | | | | | | | | Return to Pretax Rate | Gross up of Return to Pretax |
| | 2019 | | | | | | | | 6.84% | |
| | | | | | | | | | 0.766497 | |
| 2019 | January | 0.233503 | 31,328 | 31,328 | 102,839 | 0.005700 | 293 | 293 | 0.766497 | 382 |
| 2019 | February | 0.233503 | (116,869) | (85,541) | (280,796) | 0.005700 | (507) | (214) | 0.766497 | (279) |
| 2019 | March | 0.233503 | (16,798) | (102,339) | (335,937) | 0.005700 | (1,758) | (1,972) | 0.766497 | (2,572) |
| 2019 | April | 0.233503 | (10,067) | (112,406) | (368,984) | 0.005700 | (2,009) | (3,981) | 0.766497 | (5,194) |
| 2019 | May | 0.233503 | (737) | (113,143) | (371,403) | 0.005700 | (2,110) | (6,091) | 0.766497 | (7,946) |
| 2019 | June | 0.233503 | (38,778) | (151,921) | (498,697) | 0.005700 | (2,480) | (8,571) | 0.766497 | (11,182) |
| 2019 | July | 0.233503 | 64,476 | (87,446) | (287,049) | 0.005700 | (2,239) | (10,810) | 0.766497 | (14,103) |
| 2019 | August | 0.233503 | 36,958 | (50,488) | (165,732) | 0.005700 | (1,290) | (12,100) | 0.766497 | (15,787) |
| 2019 | September | 0.233503 | 112,748 | 62,260 | 204,376 | 0.005700 | 110 | (11,990) | 0.766497 | (15,643) |
| 2019 | October | 0.233503 | 104,286 | 166,546 | 546,705 | 0.005700 | 2,141 | (9,850) | 0.766497 | (12,850) |
| 2019 | November | 0.233503 | (20,140) | 146,407 | 480,594 | 0.005700 | 2,928 | (6,922) | 0.766497 | (9,031) |
| 2019 | December | 0.233503 | (105,338) | 41,069 | 134,813 | 0.005700 | 1,754 | (5,168) | 0.766497 | (6,742) |
| | | | | | | | (5,168) | | | (6,742) |

Note 1: Amounts represent all revenue actually collected through 2019.

Duke Energy Carolinas, LLC
 Docket No. E-7, Sub 1230
 Estimated Return Calculation - Non- Residential EE Programs Vintage 2019

| NC Non- Residential EE | Non-Residential EE Program Costs | | NC Allocated EE Program Costs | | Program Incentives | Lost Revenues | Total Costs | NC Residential Revenue Collected | NC Non-Residential EE Program | Non-Residential EE Program Costs | (Over)/Under Collection | |
|------------------------|----------------------------------|-----------------|-------------------------------|---------------|--------------------|---------------|-------------|----------------------------------|-------------------------------|----------------------------------|-------------------------|--|
| | Incurred | NC Allocation % | Program Costs | Program Costs | | | | | Collection % | Revenue Collected | | |
| | Miller Exhibit 5, pg 3, Line 4 | | | | | | | See calc. at right | | | | |
| 2019 January | 3,898,361 | 73.0903918% | 2,849,327 | | 893,716 | 1,319,247 | 5,062,291 | 1,961,495 | 100.0000000% | (1,961,495) | 887,832 | |
| 2019 February | 4,042,579 | 73.0903918% | 2,954,737 | | 926,779 | 1,368,052 | 5,249,568 | 4,273,378 | 100.0000000% | (4,273,378) | (1,318,641) | |
| 2019 March | 3,315,615 | 73.0903918% | 2,423,396 | | 760,119 | 1,122,040 | 4,305,555 | 3,861,979 | 100.0000000% | (3,861,979) | (1,438,583) | |
| 2019 April | 3,318,152 | 73.0903918% | 2,425,250 | | 760,701 | 1,122,898 | 4,308,849 | 3,919,819 | 100.0000000% | (3,919,819) | (1,494,568) | |
| 2019 May | 3,870,647 | 73.0903918% | 2,829,071 | | 887,363 | 1,309,868 | 5,026,302 | 4,328,089 | 100.0000000% | (4,328,089) | (1,499,018) | |
| 2019 June | 3,876,733 | 73.0903918% | 2,833,519 | | 888,758 | 1,311,928 | 5,034,205 | 4,656,923 | 100.0000000% | (4,656,923) | (1,823,404) | |
| 2019 July | 3,886,284 | 73.0903918% | 2,840,500 | | 890,948 | 1,315,160 | 5,046,608 | 5,260,960 | 100.0000000% | (5,260,960) | (2,420,460) | |
| 2019 August | 3,186,558 | 73.0903918% | 2,329,068 | | 730,532 | 1,078,365 | 4,137,965 | 5,303,365 | 100.0000000% | (5,303,365) | (2,974,297) | |
| 2019 September | 3,413,373 | 73.0903918% | 2,494,848 | | 782,531 | 1,155,122 | 4,432,500 | 5,176,057 | 100.0000000% | (5,176,057) | (2,681,210) | |
| 2019 October | 3,726,001 | 73.0903918% | 2,723,349 | | 854,202 | 1,260,919 | 4,838,469 | 4,522,554 | 100.0000000% | (4,522,554) | (1,799,205) | |
| 2019 November | 2,909,750 | 73.0903918% | 2,126,748 | | 667,073 | 984,691 | 3,778,511 | 4,015,015 | 100.0000000% | (4,015,015) | (1,888,267) | |
| 2019 December | 5,656,566 | 73.0903918% | 4,134,406 | | 1,296,792 | 1,914,242 | 7,345,441 | 5,582,965 | 100.0000000% | (5,582,965) | (1,448,558) | |
| | 45,100,619 | | 32,964,219 | | 10,339,513 | 15,262,532 | 58,566,264 | 52,862,599 | | (52,862,599) | (19,898,380) | |

Vintage is overcollected. Interest is calculated on all components.

| NC Non-Residential EE | Cumulative (Over)/Under Recovery | Current Income Tax Rate | Monthly Deferred Income Tax | Cumulative Deferred Income Tax | Net Deferred After Tax Balance | Monthly Return | Monthly A/T Return on Deferral | YTD After Tax Interest | Gross up of Return to Pretax | |
|-----------------------|----------------------------------|-------------------------|-----------------------------|--------------------------------|--------------------------------|----------------|--------------------------------|------------------------|------------------------------|------------------------------|
| | | | | | | | | | Rate | Gross up of Return to Pretax |
| | | 2019 | | | | 6.84% | | | 0.766497 | |
| 2019 January | 887,832 | 0.233503 | 207,312 | 207,312 | 680,521 | 0.005700 | 1,939 | 1,939 | 0.766497 | 2,530 |
| 2019 February | (430,809) | 0.233503 | (307,907) | (100,595) | (330,214) | 0.005700 | 998 | 2,938 | 0.766497 | 3,833 |
| 2019 March | (1,869,392) | 0.233503 | (335,913) | (436,509) | (1,432,883) | 0.005700 | (5,025) | (2,087) | 0.766497 | (2,723) |
| 2019 April | (3,363,960) | 0.233503 | (348,986) | (785,495) | (2,578,465) | 0.005700 | (11,432) | (13,519) | 0.766497 | (17,638) |
| 2019 May | (4,862,978) | 0.233503 | (350,025) | (1,135,520) | (3,727,458) | 0.005700 | (17,972) | (31,491) | 0.766497 | (41,085) |
| 2019 June | (6,686,382) | 0.233503 | (425,770) | (1,561,290) | (5,125,092) | 0.005700 | (25,230) | (56,721) | 0.766497 | (74,000) |
| 2019 July | (9,106,842) | 0.233503 | (565,185) | (2,126,475) | (6,980,367) | 0.005700 | (34,501) | (91,222) | 0.766497 | (119,011) |
| 2019 August | (12,081,139) | 0.233503 | (694,507) | (2,820,982) | (9,260,157) | 0.005700 | (46,285) | (137,507) | 0.766497 | (179,397) |
| 2019 September | (14,762,349) | 0.233503 | (626,070) | (3,447,053) | (11,315,296) | 0.005700 | (58,640) | (196,147) | 0.766497 | (255,901) |
| 2019 October | (16,561,554) | 0.233503 | (420,120) | (3,867,172) | (12,694,381) | 0.005700 | (68,428) | (264,575) | 0.766497 | (345,174) |
| 2019 November | (18,449,821) | 0.233503 | (440,916) | (4,308,089) | (14,141,733) | 0.005700 | (76,483) | (341,058) | 0.766497 | (444,956) |
| 2019 December | (19,898,380) | 0.233503 | (338,243) | (4,646,331) | (15,252,048) | 0.005700 | (83,772) | (424,830) | 0.766497 | (554,249) |
| | | | | | | | (424,830) | | | (554,249) |

Note 1: Amounts represent all revenue actually collected through 2019.

Duke Energy Carolinas, LLC
 Docket No. E-7, Sub 1230
 Estimated Return Calculation - Non - Residential DSM Programs Vintage 2019

| NC Non- Residential DSM | | Total System NC DSM Program Costs Incurred | NC Non- Residential DSM Allocation % | NC Allocated Residential Program Costs | NC Non-Residential DSM Revenue Collected | NC Non- Residential DSM Program Collection % | Non-Residential DSM Program Costs Revenue Collected | (Over)/Under Collection |
|-------------------------------------|-----------|--------------------------------------------|--------------------------------------|----------------------------------------|------------------------------------------|----------------------------------------------|-----------------------------------------------------|-------------------------|
| See Miller Exhibit 5 pg. 3, Line 10 | | | | | | | | |
| 2019 | January | 1,582,032 | 40.1233224% | 634,764 | 560,289 | 75.4840706% | (422,929) | 211,835 |
| 2019 | February | 1,353,150 | 40.1233224% | 542,929 | 1,274,361 | 75.4840706% | (961,940) | (419,011) |
| 2019 | March | 2,084,263 | 40.1233224% | 836,276 | 1,141,540 | 75.4840706% | (861,681) | (25,405) |
| 2019 | April | 1,820,414 | 40.1233224% | 730,411 | 1,195,041 | 75.4840706% | (902,066) | (171,655) |
| 2019 | May | 1,926,897 | 40.1233224% | 773,135 | 1,281,300 | 75.4840706% | (967,177) | (194,042) |
| 2019 | June | 1,979,139 | 40.1233224% | 794,096 | 1,367,817 | 75.4840706% | (1,032,484) | (238,388) |
| 2019 | July | 3,696,829 | 40.1233224% | 1,483,291 | 1,562,478 | 75.4840706% | (1,179,422) | 303,868 |
| 2019 | August | 3,437,773 | 40.1233224% | 1,379,349 | 1,564,861 | 75.4840706% | (1,181,221) | 198,128 |
| 2019 | September | 4,173,115 | 40.1233224% | 1,674,392 | 1,530,946 | 75.4840706% | (1,155,620) | 518,772 |
| 2019 | October | 3,499,351 | 40.1233224% | 1,404,056 | 1,350,191 | 75.4840706% | (1,019,179) | 384,877 |
| 2019 | November | 1,661,681 | 40.1233224% | 666,722 | 1,210,511 | 75.4840706% | (913,743) | (247,022) |
| 2019 | December | 2,875,050 | 40.1233224% | 1,153,566 | 1,634,733 | 75.4840706% | (1,233,963) | (80,398) |
| | | 30,089,694 | | 12,072,985 | 15,674,069 | | (11,831,425) | 241,560 |

| | |
|-------------------------------------|------------|
| Program Costs | 12,072,985 |
| Revenue Requirement | 15,994,090 |
| % Revenues related to Program Costs | 75.4840% |

| NC Non-Residential DSM | | Cumulative (Over)/Under Recovery | Current Income Tax Rate | Monthly Deferred Income Tax | Cumulative Deferred Income Tax | Net Deferred After Tax Balance | Monthly Return | Monthly A/T Return on Deferral | YTD After Tax Interest | Gross up of Return to Pretax Rate | Gross up of Return to Pretax |
|------------------------|-----------|----------------------------------|-------------------------|-----------------------------|--------------------------------|--------------------------------|----------------|--------------------------------|------------------------|-----------------------------------|------------------------------|
| | | 2019 | | | | | 6.84% | | | 0.766497 | |
| 2019 | January | 211,835 | 0.233503 | 49,464 | 49,464 | 162,371 | 0.005700 | 463 | 463 | 0.766497 | 604 |
| 2019 | February | (207,176) | 0.233503 | (97,840) | (48,376) | (158,800) | 0.005700 | 10 | 473 | 0.766497 | 617 |
| 2019 | March | (232,581) | 0.233503 | (5,932) | (54,308) | (178,273) | 0.005700 | (961) | (488) | 0.766497 | (636) |
| 2019 | April | (404,236) | 0.233503 | (40,082) | (94,390) | (309,846) | 0.005700 | (1,391) | (1,879) | 0.766497 | (2,451) |
| 2019 | May | (598,278) | 0.233503 | (45,309) | (139,700) | (458,579) | 0.005700 | (2,190) | (4,069) | 0.766497 | (5,308) |
| 2019 | June | (836,666) | 0.233503 | (55,664) | (195,364) | (641,302) | 0.005700 | (3,135) | (7,204) | 0.766497 | (9,398) |
| 2019 | July | (532,798) | 0.233503 | 70,954 | (124,410) | (408,388) | 0.005700 | (2,992) | (10,195) | 0.766497 | (13,301) |
| 2019 | August | (334,670) | 0.233503 | 46,263 | (78,146) | (256,524) | 0.005700 | (1,895) | (12,090) | 0.766497 | (15,773) |
| 2019 | September | 184,102 | 0.233503 | 121,135 | 42,988 | 141,114 | 0.005700 | (329) | (12,419) | 0.766497 | (16,202) |
| 2019 | October | 568,979 | 0.233503 | 89,870 | 132,858 | 436,121 | 0.005700 | 1,645 | (10,774) | 0.766497 | (14,056) |
| 2019 | November | 321,957 | 0.233503 | (57,680) | 75,178 | 246,779 | 0.005700 | 1,946 | (8,828) | 0.766497 | (11,517) |
| 2019 | December | 241,560 | 0.233503 | (18,773) | 56,405 | 185,155 | 0.005700 | 1,231 | (7,597) | 0.766497 | (9,911) |
| | | | | | | | | (7,597) | | | (9,911) |

Note 1: Amounts represent all revenue actually collected through 2019.

Duke Energy Carolinas, LLC
DSM/EE Actual Revenues Collected from Years 2015-2019 (By Vintage)
and Estimated 2020 Collections from Rider 11 (by Vintage)
Docket Number E-7, Sub 1230
For Vintage Year 2015-2020 Estimate and True Up Calculations

| | | | Actual 2017 Rider 8 | Actual 2018 Rider 9 | Actual 2019 Rider 10 | Estimated 2020 Rider 11 | (1) | Total |
|------------------------|------------------------------|----------------|---------------------------|---------------------------|----------------------------|-------------------------------|-----|-----------------------|
| Residential | | | | | | | | |
| Line | | Vintage | | | | | | |
| 1 | EE/DSM | Year 2017 | 61,914,541 | 4,435,871 | 35,762,325 | 5,078,935 | | 107,191,672 |
| 2 | | Year 2018 | | 83,631,851 | 6,302,019 | 25,178,611 | | 115,112,481 |
| 3 | | Year 2019 | | | 77,019,837 | 5,232,466 | | 82,252,303 |
| 4 | | Year 2020 | | | | 66,898,601 | | 66,898,601 |
| 5 | Total Residential | | <u>\$ 61,914,541</u> | <u>\$ 88,067,722</u> | <u>\$ 119,084,181</u> | <u>\$ 102,388,613</u> | | <u>\$ 371,455,057</u> |
| Non-Residential | | | | | | | | |
| 6 | EE | Year 2017 | 46,928,129 | 10,882,796 | 64,212,173 | 17,144,751 | | 139,167,848 |
| 7 | | Year 2018 | | 51,998,801 | 12,546,122 | 14,321,847 | | 78,866,770 |
| 8 | | Year 2019 | | | 52,862,599 | 8,746,000 | | 61,608,599 |
| 9 | | Year 2020 | | | | 52,968,365 | | 52,968,365 |
| 10 | DSM | Year 2017 | 15,361,431 | (1,084) | 86,448 | 1,084 | | 15,447,879 |
| 11 | | Year 2018 | | 14,074,924 | 777,733 | 1,398,093 | | 16,250,749 |
| 12 | | Year 2019 | | | 15,674,069 | | | 15,674,069 |
| 13 | | Year 2020 | | | | 19,931,130 | | 19,931,130 |
| 14 | Total Non-Residential | | <u>\$ 62,289,560</u> | <u>\$ 76,955,437</u> | <u>\$ 146,159,143</u> | <u>\$ 114,511,270</u> | | <u>\$ 399,915,410</u> |
| 15 | Total Revenue | | <u>\$ 124,204,101</u> | <u>\$ 165,023,159</u> | <u>\$ 265,243,324</u> | <u>\$ 216,899,883</u> | | <u>\$ 771,370,467</u> |

(1) Rider 11 estimates are based on Order issued in Docket No. E-7 Sub 1192 dated 10/18/19

Duke Energy Carolinas, LLC
Vintage Year 2017 Allocation Factors for the Period January 1, 2017 - December 31, 2017
Docket Number E-7, Sub 1230
Allocation Factors

| | | | MWH | | |
|-------------------------------------------------------------------------|---------------------------------------------------|---------------------------|-------------------------------------------|-----------|--------------|
| Line | New Mechanism Sales Allocator at Generator | | | | |
| 1 | NC Retail MWH Sales Allocation | Company Records | 60,219,051 | | |
| 2 | SC Retail MWH Sales Allocation | Company Records | 22,489,484 | | |
| 3 | Total Retail | Line 1 + Line 2 | 82,708,535 | | |
| | | | | | |
| Allocation 1 to state based on kWh sales | | | | | |
| 4 | NC Retail | Line 1 / Line 3 | 72.8087506% | | |
| | | | | | |
| Demand Allocators | | | NC | SC | Total |
| 5 | Residential | Company Records | 5,545,784 | 1,803,958 | 7,349,742 |
| 6 | Non Residential | Company Records | 6,573,854 | 2,480,404 | 9,054,258 |
| 7 | Total | Line 5 + Line 6 | 12,119,638 4,284,362 16,404,000 | | |
| | | | | | |
| Allocation 2 to state based on peak demand | | | | | |
| 8 | NC Retail | Line 7, NC / Line 7 Total | 73.8822117% | | |
| | | | | | |
| Allocation 3 NC res vs non-res Peak Demand to retail system peak | | | | | |
| 9 | NC Residential | Line 5 NC/ Line 7 Total | 33.8075104% | | |
| 10 | NC Non-residential | Line 6 NC/ Line 7 Total | 40.0747013% | | |

Duke Energy Carolinas, LLC
Vintage Year 2018 Allocation Factors for the Period January 1, 2018 - December 31, 2018
Docket Number E-7, Sub 1230
Allocation Factors

| | | | <u>MWH</u> | | |
|-------------------------------------------------------------------------|---------------------------------------------------|---------------------------|--------------------|------------------|------------------|
| Line | New Mechanism Sales Allocator at Generator | | | | |
| 1 | NC Retail MWH Sales Allocation | Company Records | 58,534,269 | | |
| 2 | SC Retail MWH Sales Allocation | Company Records | <u>21,966,093</u> | | |
| 3 | Total Retail | Line 1 + Line 2 | 80,500,362 | | |
| | | | | | |
| Allocation 1 to state based on kWh sales | | | | | |
| 4 | NC Retail | Line 1 / Line 3 | 72.7130507% | | |
| | | | | | |
| Demand Allocators | | | <u>NC</u> | <u>SC</u> | <u>Total</u> |
| 5 | Residential | Company Records | 5,078,308 | 1,617,566 | 6,695,874 |
| 6 | Non Residential | Company Records | <u>6,549,145</u> | <u>2,546,981</u> | <u>9,096,126</u> |
| 7 | Total | Line 5 + Line 6 | 11,627,453 | 4,164,547 | 15,792,000 |
| | | | | | |
| Allocation 2 to state based on peak demand | | | | | |
| 8 | NC Retail | Line 7, NC / Line 7 Total | 73.6287551% | | |
| | | | | | |
| Allocation 3 NC res vs non-res Peak Demand to retail system peak | | | | | |
| 9 | NC Residential | Line 5 NC/ Line 7 Total | 32.1574721% | | |
| 10 | NC Non-residential | Line 6 NC/ Line 7 Total | 41.4712829% | | |

Duke Energy Carolinas, LLC
Vintage Year 2019 Allocation Factors for the Period January 1, 2019 - December 31, 2021
Docket Number E-7, Sub 1230
Allocation Factors

| | | | <u>MWH</u> | | |
|-------------------------------------------------------------------------|---------------------------------------------------|---------------------------|--------------------|------------------|------------------|
| Line | New Mechanism Sales Allocator at Generator | | | | |
| 1 | NC Retail MWH Sales Allocation | Company Records | 62,147,533 | | |
| 2 | SC Retail MWH Sales Allocation | Company Records | <u>22,880,788</u> | | |
| 3 | Total Retail | Line 1 + Line 2 | 85,028,321 | | |
| | | | | | |
| Allocation 1 to state based on kWh sales | | | | | |
| 4 | NC Retail | Line 1 / Line 3 | 73.0903918% | | |
| | | | | | |
| Demand Allocators | | | <u>NC</u> | <u>SC</u> | <u>Total</u> |
| 5 | Residential | Company Records | 5,420,002 | 1,681,673 | 7,101,675 |
| 6 | Non Residential | Company Records | <u>6,373,991</u> | <u>2,410,334</u> | <u>8,784,325</u> |
| 7 | Total | Line 5 + Line 6 | 11,793,993 | 4,092,007 | 15,886,000 |
| | | | | | |
| Allocation 2 to state based on peak demand | | | | | |
| 8 | NC Retail | Line 7, NC / Line 7 Total | 74.2414264% | | |
| | | | | | |
| Allocation 3 NC res vs non-res Peak Demand to retail system peak | | | | | |
| 9 | NC Residential | Line 5 NC/ Line 7 Total | 34.1181040% | | |
| 10 | NC Non-residential | Line 6 NC/ Line 7 Total | 40.1233224% | | |

Duke Energy Carolinas, LLC
 DSM/EE Cost Recovery Rider 12
 Docket Number E-7 Sub 1230
 Forecasted 2021 kWh Sales for Rate Period for Vintage Years 2017-2021

| Fall 2019 Sales Forecast - kWhs | | Forecasted 2021 sales | | |
|---------------------------------|-----------------|-----------------------|-------------------------|------------------|
| North Carolina Retail: | | | | |
| Line | | | | |
| 1 | Residential | 22,092,324,452 | | |
| 2 | Non-Residential | 35,749,634,396 | | |
| 3 | Total Retail | 57,841,958,848 | | |
| NC Opt Out Sales | | | | |
| | | Total Usage | Revised Opt-Outs | Net Usage |
| Vintage 2017 Actual Opt Out | | | | |
| 4 | EE | 35,749,634,396 | 19,250,763,452 | 16,498,870,944 |
| 5 | DSM | 35,749,634,396 | 18,815,719,996 | 16,933,914,400 |
| Vintage 2018 Actual Opt Out | | | | |
| 6 | EE | 35,749,634,396 | 19,820,130,197 | 15,929,504,199 |
| 7 | DSM | 35,749,634,396 | 18,917,095,657 | 16,832,538,740 |
| Vintage 2019 Actual Opt Out | | | | |
| 8 | EE | 35,749,634,396 | 20,042,218,854 | 15,707,415,542 |
| 9 | DSM | 35,749,634,396 | 18,852,615,603 | 16,897,018,794 |
| Vintage 2020 Estimated Opt Out | | | | |
| 10 | EE | 35,749,634,396 | 20,419,288,797 | 15,330,345,599 |
| 11 | DSM | 35,749,634,396 | 18,851,271,603 | 16,898,362,794 |
| Vintage 2021 Estimated Opt Out | | | | |
| 12 | EE | 35,749,634,396 | 20,419,288,797 | 15,330,345,599 |
| 13 | DSM | 35,749,634,396 | 18,851,271,603 | 16,898,362,794 |

Rider EE (NC)
ENERGY EFFICIENCY RIDERAPPLICABILITY (North Carolina Only)

Service supplied under the Company's rate schedules is subject to approved adjustments for new energy efficiency and demand-side management programs approved by the North Carolina Utilities Commission (NCUC). The Rider Adjustments are not included in the Rate Schedules of the Company and therefore, must be applied to the bill as calculated under the applicable rate.

As of January 1, 2021, cost recovery under Rider EE consists of the four-year term program, years 2014-2017, as well as rates under the continuation of that program for years 2018-2021 as outlined below. This Rider applies to service supplied under all rate schedules, except rate schedules OL, FL, PL, GL and NL for program years 2017-2021.

GENERAL PROVISIONS

This Rider will recover the cost of new energy efficiency and demand-side management programs beginning January 1, 2014, using the method approved by the NCUC as set forth in Docket No. E-7 Sub 1032, Order dated October 29, 2013, as revised by Docket No. E-7, Sub 1130, Order dated August 23, 2017.

TRUE-UP PROVISIONS

Rider amounts will initially be determined based on estimated kW and kWh impacts related to expected customer participation in the programs, and will be true-up as actual customer participation and actual kW and kWh impacts are verified. If a customer participates in any vintage of programs, the customer is subject to the true-ups as discussed in this section for any vintage of programs in which the customer participated.

RIDER EE OPT OUT PROVISION FOR QUALIFYING NON-RESIDENTIAL CUSTOMERS

The Rider EE increment applicable to energy efficiency programs and/or demand-side management programs will not be applied to the energy charge of the applicable rate schedule for customers qualified to opt out of the programs where:

- a. The customer has notified the Company that it has implemented, or has plans for implementing, alternative energy efficiency measures in accordance with quantifiable goals.
- b. Electric service to the customer must be provided under:
 1. An electric service agreement where the establishment is classified as a "manufacturing industry" by the Standard Industrial Classification Manual published by the United States Government and where more than 50% of the electric energy consumption of such establishment is used for its manufacturing processes. Additionally, all other agreements billed to the same entity associated with the manufacturing industry located on the same or contiguous properties are also eligible to opt out.
 2. An electric service agreement for general service as provided for under the Company's rate schedules where the customer's annual energy use is 1,000,000 kilowatt hours or more. Additionally, all other agreements billed to the same entity with lesser annual usage located on the same or contiguous properties are also eligible to opt out.

The following additional provisions apply for qualifying customers who elect to opt out:

For customers who elect to opt out of energy efficiency programs, the following provisions also apply:

- Qualifying customers may opt out of the Company's energy efficiency programs each calendar year only during the annual two-month enrollment period between November 1 and December 31 immediately prior to a new Rider EE becoming effective on January 1. (Qualifying new customers have sixty days after beginning service to opt out).
- Customers may not opt out of individual energy efficiency programs offered by the Company. The choice to opt out applies to the Company's entire portfolio of energy efficiency programs.
- If a customer participates in any vintage of energy efficiency programs, the customer, irrespective of future opt out decisions, remains obligated to pay the remaining portion of the lost revenues for each vintage of energy efficiency programs in which the customer participated.
- Customers who elect to opt out during the two-month annual enrollment period immediately prior to the new Rider EE becoming effective may elect to opt in to the Company's energy efficiency programs during the first 5 business days of March each calendar year. Customers making this election will be back-billed retroactively to the effective date of the new Rider EE.

For customers who elect to opt out of demand-side management programs, the following provisions also apply:

- Qualifying customers may opt out of the Company's demand-side management program during the enrollment period between November 1 and December 31 immediately prior to a new Rider EE becoming effective on January 1 of the applicable year. (Qualifying new customers have sixty days after beginning service to opt out).

Rider EE (NC)
ENERGY EFFICIENCY RIDER

- If a customer elects to participate in a demand-side management program, the customer may not subsequently choose to opt out of demand-side management programs for three years.
- Customers who elect to opt out during the two-month annual enrollment period immediately prior to the new Rider EE becoming effective may elect to opt in to the Company's demand-side management program during the first 5 business days of March each calendar year. Customers making this election will be back-billed to the effective date of the new Rider EE.

Any qualifying non-residential customer that has not participated in an energy efficiency or demand-side management program may opt out during any enrollment period, and has no further responsibility to pay Rider EE amounts associated with the customer's opt out election for energy efficiency and/or demand-side management programs.

ENERGY EFFICIENCY RIDER ADJUSTMENTS (EEA) FOR ALL PROGRAM YEARS

The Rider EE amounts applicable to the residential and nonresidential rate schedules for the period January 1, 2021 through December 31, 2021 including utility assessments are as follows:

| | | |
|-----------------------|-------------------------------------------------------------------|------------------------|
| <u>Residential</u> | Vintage 2017 ¹ , 2018 ¹ , 2019 ¹ | 0.1046¢ per kWh |
| | Vintage 2019 ² , 2020 ² , 2021 ² | <u>0.4184¢ per kWh</u> |
| | Total Residential Rate | 0.5230¢ per kWh |
| <u>Nonresidential</u> | | |
| | Vintage 2017 ³ | |
| | Energy Efficiency | 0.0342¢ per kWh |
| | Demand Side Management | 0.0000¢ per kWh |
| | Vintage 2018 ³ | |
| | Energy Efficiency | 0.0088¢ per kWh |
| | Demand Side Management | (0.0014)¢ per kWh |
| | Vintage 2019 ³ | |
| | Energy Efficiency | 0.0462¢ per kWh |
| | Demand Side Management | 0.0018¢ per kWh |
| | Vintage 2020 ³ | |
| | Energy Efficiency | 0.0612¢ per kWh |
| | Demand Side Management | 0.0000¢ per kWh |
| | Vintage 2021 ³ | |
| | Energy Efficiency | 0.3522¢ per kWh |
| | Demand Side Management | 0.1200¢ per kWh |
| | Total Nonresidential | 0.6230¢ per kWh |

¹ Includes the true-up of program costs, shared savings and lost revenues from Year 1 of Vintage 2019 and Year 2 of Vintage 2018, and Year 3 of 2017

² Includes prospective component of Vintage 2019, 2020 and 2021

³ Not Applicable to Rate Schedules OL, FL, PL, GL, and NL.

Each factor listed under Nonresidential is applicable to nonresidential customers who are not eligible to opt out and to eligible customers who have not opted out. If a nonresidential customer has opted out of a Vintage(s), then the applicable energy efficiency and/or demand-side management charge(s) shown above for the Vintage(s) during which the customer has opted out, will not apply to the bill.