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Sep 04 2019

September 4, 2019

**VIA ELECTRONIC FILING AND HAND DELIVERY**

Chief Clerk's Office  
North Carolina Utilities Commission  
4325 Mail Service Center  
Raleigh, North Carolina 27699-4300

**Re: Duke Energy Progress, LLC's DSM/EE Cost Recovery Rider –  
Supplemental Testimony and Exhibits  
Docket No. E-2, Sub 1206**

Dear Chief Clerk:

Enclosed for filing is Duke Energy Progress, LLC's Supplemental Testimony of Carolyn T. Miller and Supplemental Exhibits of Carolyn T. Miller and Robert P. Evans in connection with the referenced matter. Fifteen (15) paper copies of the Supplemental Testimony and Supplemental Exhibits will be delivered to the Clerk's Office by close of business on September 5, 2019.

Please do not hesitate to contact me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Kendrick C. Fentress".

Kendrick C. Fentress

Enclosures

cc: Parties of Record

**CERTIFICATE OF SERVICE**

I certify that a copy of Duke Energy Progress, LLC's Supplemental Testimony and Exhibits in Docket No. E-2, Sub 1206 has been served by electronic mail, hand delivery, or by depositing a copy in the United States Mail, 1<sup>st</sup> Class Postage Prepaid, properly addressed to parties of record.

This the 4<sup>th</sup> day of September, 2019.

*Kendrick C. Fentress*

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BEFORE THE NORTH CAROLINA UTILITIES COMMISSION  
DOCKET NO. E-2, SUB 1206

In the Matter of )  
Application of Duke Energy Progress, LLC ) **SUPPLEMENTAL TESTIMONY**  
for Approval of Demand-Side Management ) **OF**  
and Energy Efficiency Cost Recovery Rider ) **CAROLYN T. MILLER FOR**  
Pursuant to N.C. Gen. Stat. § 62-133.9 and ) **DUKE ENERGY PROGRESS,**  
Commission Rule R8-69 ) **LLC**

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1   **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2   A. My name is Carolyn T. Miller. My business address is 550 South Tryon Street,  
3   Charlotte, North Carolina.

4   **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5   A. I am a Rates & Regulatory Strategy Manager for Duke Energy Carolinas, LLC  
6   ("DEC"), supporting both DEC and Duke Energy Progress, LLC ("DEP" or the  
7   "Company").

8   **Q. DID YOU PREVIOUSLY FILE DIRECT TESTIMONY IN SUPPORT  
9   OF DEP'S APPLICATION IN THIS DOCKET?**

10   A. Yes.

11   **Q. WHAT IS THE PURPOSE OF YOUR SUPPLEMENTAL TESTIMONY?**

12   A. The purpose of my Supplemental Testimony is to support the filing of  
13   Supplemental Exhibits which reflect revisions to Miller Exhibits 1, 2 and 3 and  
14   Evans Exhibit 1 filed June 11, 2019 in this proceeding. These revisions are due  
15   to the following:

16   1. Adjustments to the Portfolio Performance Incentive ("PPI")  
17   generated by the EnergyWise and EnergyWise for Business programs for  
18   Vintage 2017, Vintage 2018 and Vintage 2020, and the resulting reallocation  
19   of the Vintage 2018 avoided cost settlement;

20   2. Adjustments to DSDR program costs due to intangible depreciation  
21   expense recorded in excess of the useful life of the related assets.

22   **Q. WHY IS THE COMPANY REVISING THE PPI GENERATED BY THE  
23   ENERGYWISE AND ENERGYWISE FOR BUSINESS PROGRAMS**

1                   **FOR VINTAGE 2017, VINTAGE 2018 AND VINTAGE 2020?**

2       A. As mentioned in the Testimony of Public Staff Witness Michael C. Maness (*see*  
3                   p. 12), the Company is recommending an adjustment related to Evaluation,  
4                   Measurement, & Verification (“EM&V”) results. During the course of the  
5                   Company’s review of its DSM/EE filing in this docket, DEP discovered that,  
6                   although the EM&V results received in 2018 for the EnergyWise program had  
7                   been appropriately applied prospectively, beginning balance participation  
8                   levels were not correct, thereby misstating all participation levels. In addition,  
9                   the Company also discovered that the EnergyWise for Business program  
10                  included an error in the avoided cost calculation. As a result of these two errors,  
11                  the Company is updating Vintages 2017 and Vintage 2018 to reflect the revised  
12                  kilowatt (“kW”) savings included in both the EnergyWise and EnergyWise for  
13                  Business EM&V reports.

14                  In Docket No. E-2, Sub 1145, filed in 2017, the Public Staff and DEC  
15                  agreed to reduce the avoided cost savings included in rates by \$2,100,000 and  
16                  both parties settled on a methodology to allocate that reduction among customer  
17                  classes for Vintage 2018. The \$2.1 million was allocated based on a weighted-  
18                  average PPI basis, so the adjustment to kW savings attributed to the  
19                  EnergyWise and EnergyWise for Business programs, discussed above,  
20                  impacted the allocation of that \$2.1 million among customers classes. In this  
21                  supplemental filing the Company has re-allocated the \$2.1 million reduction in  
22                  Vintage 2018 avoided costs to reflect the updated kW savings attributed to the  
23                  EnergyWise and EnergyWise for Business programs. The change in PPI for

1           these vintages also impacted the future amortization of PPI; therefore, Vintage  
2           2020 was also updated to reflect the revised amortization amounts. The total of  
3           these adjustments results in:

- 4                   • a reduction in PPI for residential customers in the amount of  
5                            (\$84,065) for Vintage Year 2017  
6                   • a reduction in PPI for non-residential DSM customers in the  
7                            amount of (\$177,930) for Vintage 2018  
8                   • an increase in PPI for non-residential EE customers in the  
9                            amount of \$62,331 for Vintage 2018  
10                  • an increase in PPI for residential customers in the amount of  
11                            \$95,482 for Vintage 2018  
12                  • a reduction in PPI for non-residential DSM customers in the  
13                            amount of (\$31,049) for Vintage 2020  
14                  • an increase in PPI for non-residential EE customers in the  
15                            amount of \$62,331 for Vintage 2020  
16                  • and an increase in PPI for residential customers in the amount  
17                            of \$6,450 for Vintage 2020.

18           The Company is submitting Supplemental Evans Exhibit 1, pages 3 through 8  
19           and the corresponding interest calculation on Supplemental Miller Exhibit 3,  
20           pages 1 through 3 to reflect this adjustment.

21       **Q. PLEASE DESCRIBE THE ADJUSTMENT TO DSDR DEPRECIATION  
22           EXPENSE.**

23       A. As mentioned in Witness Maness' testimony (*see* p. 12), the Company is

1 recommending an adjustment to the intangible depreciation expense recognized  
2 as part of DSDR program costs. The Company discovered that the calculation  
3 of depreciation expense for DSDR intangible assets utilized formulas that  
4 multiply gross plant balances times the most recently approved depreciation  
5 rates. However, these DSDR intangible assets have a useful life of only 5 years  
6 and the calculation continued to include gross plant that had been fully  
7 depreciated into the calculation of DSDR depreciation expense. The first  
8 DSDR intangible plant assets were placed in service in 2010; therefore, DSDR  
9 depreciation expense was overstated beginning with test period 2015. The  
10 Company has recalculated the appropriate depreciation expense for Vintage  
11 Years 2015, 2016, 2017, 2018 and 2020<sup>1</sup>. DEP has also recalculated all other  
12 impacted expense items, including insurance expense, return on capital and  
13 carrying costs. The revised expense amounts for Vintage 2018 are reflected  
14 on Supplemental Miller Exhibit 2, page 6. The revised expense amounts for  
15 Vintage 2020 are reflected on Supplemental Miller Exhibit 2, page 3. The  
16 adjustments for all prior periods are reflected on Supplemental Miller Exhibit  
17 2, page 7.

18 Partially offsetting this adjustment is the amount of EE Rider revenue  
19 that was removed from the 2017 test period of the most recent rate case. The  
20 Company has recalculated the EE-related proforma adjustment included with  
21 that rate case filing to revise DSDR-related collections to reflect the adjusted

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<sup>1</sup> Vintage 2019 will be trued up as part of the 2019 test period filed in 2020 using the same methodology as used to calculate the impact on Vintage 2015, 2016, 2017, 2018 and 2020.

1 depreciation expense as well as the offsetting change in rate base. The  
2 adjustment impacts rates in effect from March 18, 2018 forward. This  
3 adjustment is reflected for Vintage 2018 on Supplemental Miller Exhibit 2,  
4 page 6 Line 35 in the amount of \$432,382 and for Vintage 2020 on  
5 Supplemental Miller Exhibit 2, page 3 Line 37 in the amount of \$494,150.

6 The final adjustment the Company made as a result of the revisions to  
7 DSDR depreciation expense was to recalculate the interest due to customers.  
8 All interest related to prior period adjustments flows through the current  
9 vintage; therefore, this adjustment is shown for Vintage 2018 on Supplemental  
10 Miller Exhibit 3, pages 1, 2 and 4.

11 The following table summarizes the dollar impact of the DSDR program  
12 updates for each vintage for each class of customer.

	Residential	Non-Residential	Lighting
<b><u>2015 DSDR</u></b>	\$(541,569)	\$(361,733)	\$(13,423)
<b><u>2016 DSDR</u></b>	(508,073)	(328,056)	(12,002)
<b><u>2017 DSDR</u></b>	(980,245)	(613,595)	(22,498)
<b><u>2018</u></b>			
DSDR	(2,512,501)	(1,515,367)	(56,504)
Proforma Adj	265,979	160,420	5,982
Interest	(640,964.)	(275,063.)	(14,725.)
<b><u>2020</u></b>			
DSDR	(2,310,065)	(1,393,272)	(51,952)

Proforma Adj	303,976	183,338	6,836
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1

**2 Q. HOW DO THESE CHANGES IMPACT DEP'S REQUESTED RATES?**

3 A. The changes outlined above result in revisions to the following rates included  
4 in the initial DSM/EE filing (all shown on a cents per kWh basis, including  
5 regulatory fee):

Description	Filed Rate	Revised Rate
Residential Prospective Rate	0.624	0.612
Residential EMF Rate	(0.029)	(0.058)
Non-Residential EE Prospective Rate	0.635	0.623
Non-Residential EE EMF Rate	0.150	0.120
Non-Residential DSM Prospective Rate	0.070	0.070
Non-Residential DSM EMF Rate	(0.011)	(0.013)
Lighting EE Prospective Rate	0.096	0.084
Lighting EE EMF rate	(0.002)	(0.033)

6 **Q. WHAT SUPPLEMENTAL EXHIBITS WILL BE FILED IN  
7 CONJUNCTION WITH YOUR SUPPLEMENTAL TESTIMONY?**

8 A. Only the exhibits impacted as a result of the changes outlined above will be  
9 filed as Supplemental Exhibits. A description of the specific pages and contents  
10 that have been revised is provided below:  
11 • Supplemental Miller Exhibit 1: Summary of Rider EE Exhibits  
12 and Factors

- 1           • Supplemental Miller Exhibit 2, page 1: Energy Efficiency Rate
- 2           Derivation
- 3           • Supplemental Miller Exhibit 2, page 2: Demand-Side
- 4           Management Rate Derivation
- 5           • Supplemental Miller Exhibit 2, page 3: Rate Period Revenue
- 6           Requirement Summary
- 7           • Supplemental Miller Exhibit 2, page 4: Energy Efficiency
- 8           Experience Modification Factor Rate Derivation
- 9           • Supplemental Miller Exhibit 2, page 5: Demand-Side
- 10          Management Experience Modification Factor Rate Derivation
- 11          • Supplemental Miller Exhibit 2, page 6: EMF Period Revenue
- 12          Requirement Summary
- 13          • Supplemental Miller Exhibit 2, page 7: EMF Adjustment
- 14          Summary
- 15          • Supplemental Miller Exhibit 3, page 1: Vintage 2018 Interest
- 16          Calculations for Residential
- 17          • Supplemental Miller Exhibit 3, page 2: Vintage 2018 Interest
- 18          Calculations for Non-Residential DSM
- 19          • Supplemental Miller Exhibit 3, page 3: Vintage 2018 Interest
- 20          Calculations for Lighting
- 21          • Supplemental Miller Exhibit 3, page 4: Vintage 2018 Interest
- 22          Calculation
- 23          • Supplemental Evans Exhibit 1, pages 3 through 8: Vintage

1                           2017, Vintage 2018 and Vintage 2020 Load Impacts and  
 2                           Estimated Revenue Requirements

3   **Q.   WHAT   ARE   THE   FINAL   RATES   REQUESTED   IN   THE**  
 4   **APPLICATION OF DEP FOR APPROVAL OF ITS DSM/EE RIDER**  
 5   **FOR 2020 AS A RESULT OF THESE REVISIONS?**

6   A.   Pursuant to the provisions of N.C. Gen. Stat. § 62-133.9 and Commission Rule  
 7   R8-69, the Company requests Commission approval of the following annual  
 8   billing adjustments (all shown on a cents per kWh basis, including regulatory  
 9   fee):

<b>Residential Billing Factors</b>	<b>¢/kWh</b>
Residential Billing Factor for Prospective Components	0.612
Residential Billing Factor for EMF Components	(0.058)

<b>Non-Residential Billing Factors</b>	<b>¢/kWh</b>
EE EMF Rate	0.120
EE Prospective Rate	0.623
DSM EMF Rate	(0.013)
DSM Prospective Rate	0.070
Lighting EE EMF Rate	(0.033)
Lighting EE Prospective Rate	0.084

11   **Q.**  
 12                           **ARE THERE ANY OTHER ADJUSTMENTS MADE IN YOUR**  
 13                           **SUPPLEMENTAL EXHIBITS?**

1 A. No.

2 Q. **DOES THIS CONCLUDE YOUR PRE-FILED SUPPLEMENTAL  
3 TESTIMONY?**

4 A. Yes.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1206  
Summary of 2020 DSM/EE Rates

	Source:	cents/kWh	Reg Fee	Billing Rate
	Rate			
<b>Residential Rate</b>				
EMF Rate - DSM	Miller Exhibit 2, page 5	0.001	0.000	0.001
EMF Rate - EE	Miller Exhibit 2, page 4	-0.059	0.000	-0.059
Projected Rate - DSM	Miller Exhibit 2, page 2	0.120	0.000	0.120
Projected Rate - EE	Miller Exhibit 2, page 1	0.491	0.001	<u>0.492</u>
<b>Total Residential Rate</b>		<b>0.553</b>		<b>0.554</b>
<b>General Service</b>				
EE EMF Rate	Miller Exhibit 2, page 4	0.120	0.000	0.120
EE Projected Rate	Miller Exhibit 2, page 1	0.622	0.001	<u>0.623</u>
<b>Total General Service EE Rate</b>		<b>0.742</b>		<b>0.743</b>
DSM EMF Rate	Miller Exhibit 2, page 5	-0.013	0.000	-0.013
DSM Projected Rate	Miller Exhibit 2, page 2	0.070	0.000	<u>0.070</u>
<b>Total General Service DSM Rate</b>		<b>0.057</b>		<b>0.057</b>
<b>Lighting EE Rate</b>				
Lighting EE EMF Rate	Miller Exhibit 2, page 4	-0.033	0.000	-0.033
Lighting EE Projected Rate	Miller Exhibit 2, page 1	0.084	0.000	0.084
<b>Total Lighting EE Rate</b>		<b>0.051</b>		<b>0.051</b>

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1206**  
**Energy Efficiency Rate Derivation**

NC Rate Class	Adjusted NC Rate Class kWh Sales <sup>(1)</sup> (1)	Rate Class Energy Allocation Factor <sup>(2)</sup> (2)	EE Revenue Requirements							Total EE Rate (9) = (8) / (1)
			Residential Programs <sup>(3)</sup> (3)	CIG Programs <sup>(4)</sup> (4)	DSDR <sup>(5)</sup> (5)	Non-DSDR Allocated A&G and Carrying Costs <sup>(6)</sup> (6)	DSDR Allocated A&G and Carrying Costs <sup>(7)</sup> (7)	Total of Allocated Costs (8) = Σ (3 thru 7)		
Residential	16,011,833,010	61.51%	\$ 58,221,634	\$ -	\$ 12,483,798	\$ 6,935,225	\$ 935,786	\$ 78,576,443	0.491	
General Service	9,657,233,917	37.10%	\$ -	\$ 46,577,409	\$ 7,529,366	\$ 5,405,399	\$ 564,402	\$ 60,076,576	0.622	
Lighting	360,095,612	1.38%	\$ -	\$ -	\$ 280,752	\$ -	\$ 21,045	\$ 301,798	0.084	
NC Retail	26,029,162,539	100%	\$ 58,221,634	\$ 46,577,409	\$ 20,293,916	\$ 12,340,624	\$ 1,521,233	\$ 138,954,816		

**NOTES:**

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Exhibit 6.
- (2) Rate Class Energy Allocation Factor is derived in Miller Exhibit 5, page 5, column (4).
- (3) Residential Program costs are allocated solely to the Residential Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (4) Non-Residential Program costs are allocated solely to the General Service Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (5) DSDR Costs allocated using the Rate Class Energy Allocation Factor from column (2) in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (6) Non-DSDR A&G and Carrying Costs are allocated on the basis of Non-DSDR revenue requirements (excluding incentives and net lost revenues).
- (7) DSDR A&G Costs and Carrying Costs are allocated using the Rate Class Energy Allocation Factor from column (2).

*Please note: Exhibit may not foot due to rounding.*

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1206**  
**Demand-Side Management Rate Derivation**

NC Rate Class	Adjusted NC Rate Class kWh Sales <sup>(1)</sup> (1)	Rate Class Demand Allocation Factor <sup>(2)</sup> (2)	DSM Revenue Requirements					
			EnergyWise Program Costs <sup>(3)</sup> (3)	CIG DR Program <sup>(4)</sup> (4)	Allocated A&G Costs <sup>(5)</sup> (5)	Allocated Carrying Costs <sup>(5)</sup> (6)	Total of Allocated Costs (7) = Σ (3 thru 6)	Total DSM Rate (8) = (7) / (1)
Residential	16,011,833,010	67.91%	\$ 15,926,807	\$ -	\$ 686,852	\$ 2,581,877	\$ 19,195,536	0.120
General Service	9,555,153,028	32.09%	\$ -	\$ 5,126,667	\$ 319,091	\$ 1,199,460	\$ 6,645,218	0.070
Lighting	359,358,198	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	-
NC Retail	25,926,344,236	100.00%	\$ 15,926,807	\$ 5,126,667	\$ 1,005,943	\$ 3,781,337	\$ 25,840,754	

**NOTES:**

(1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Exhibit 6.

(2) Rate Class Demand Allocation Factor is derived in Miller Exhibit 5, page 6, column (5).

(3) EnergyWise costs are directly assigned solely to the Residential Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.

(4) CIG DR Program costs are directly assigned solely to the General Service Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.

(5) A&amp;G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives and net lost revenues).

*Please note: Exhibit may not foot due to rounding.*



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1206**  
**Energy Efficiency Experience Modification Factor Rate Derivation**

NC Rate Class	EE EMF Revenue Requirement										
	Adjusted NC Rate Class kWh Sales (1)	Rate Class Energy Allocation Factor (2)	Residential Programs <sup>(3)</sup> (3)	CIG Programs <sup>(4)</sup> (4)	DSDR <sup>(5)</sup> (5)	Non-DSDR Allocated A&G and Carrying Costs <sup>(6)</sup> (6)	DSDR Allocated A&G and Carrying Costs <sup>(6)</sup> (7)	Total of Allocated Costs (8) = $\Sigma$ (3 thru 7)	Less: Prior Period EE Rate Adjustment <sup>(7)</sup> (9)	Adjusted EE EMF Revenue Requirement (10)=(8)-(9)	Total EE EMF Rate (cents/kWh) (11) = (10) / (1)
Residential	16,011,833,010	61.51%	\$ 54,837,402	\$ 0	\$ 12,559,883	\$ 6,914,222	\$ 991,297	\$ 75,302,805	\$ 84,800,421	\$ (9,497,616)	(0.059)
General Service	9,657,233,917	37.10%	\$ 0	\$ 55,563,562	\$ 7,575,256	\$ 6,057,455	\$ 597,882	\$ 69,794,155	\$ 58,167,271	\$ 11,626,883	0.120
<u>Lighting</u>	<u>360,095,612</u>	<u>1.38%</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 282,464</u>	<u>\$ -</u>	<u>\$ 22,294</u>	<u>\$ 304,757</u>	<u>\$ 425,114</u>	<u>\$ (120,357)</u>	<u>(0.033)</u>
NC Retail	26,029,162,539	100.00%	\$ 54,837,402	\$ 55,563,562	\$ 20,417,602	\$ 12,971,677	\$ 1,611,473	\$ 145,401,717	\$ 143,392,806	\$ 2,008,911	

**NOTES:**

(1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Exhibit 6.

(2) Rate Class Energy Allocation Factor is derived in Miller Exhibit 5, page 5, column (4).

(3) Residential Program costs are allocated solely to the Residential rates in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.

(4) Non-residential Program costs are allocated solely to the General Service rates in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.

(5) DSDR Costs allocated using the Rate Class Energy Allocation Factor from column (2) in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.

(6) Non-DSDR A&amp;G and Carrying Costs are allocated on the basis of Non-DSDR revenue requirements (excluding incentives and net lost revenues) assigned in preceding columns.

(7) Amounts are derived in Miller Exhibit 2, page 7.

Please note: Exhibit may not foot due to rounding.

**DUKE ENERGY PROGRESS,LLC**  
**Docket No. E-2, Sub 1206**  
**Demand-Side Management Experience Modification Factor Rate Derivation**

NC Rate Class	DSM EMF Revenue Requirement										Adjusted DSM EMF Revenue Requirement (9)=(7)-(8)	Total DSM EMF Rate (cents/kWh) (10)=(9)/(1)
	Adjusted NC Rate Class kWh Sales <sup>(1)</sup>	Rate Class Demand Allocation Factor <sup>(2)</sup>	EnergyWise Program Costs <sup>(3)</sup>	CIG DR Program <sup>(4)</sup>	Allocated A&G Costs <sup>(5)</sup>	Allocated Carrying Costs <sup>(5)</sup>	Total of Allocated Costs (7) = $\Sigma$ (3 thru 6)	Less: Prior Period DSM Rate Adjustment <sup>(6)</sup>				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(9)	(10)
Residential	16,011,833,010	67.91%	\$14,711,909	\$ -	\$ 631,225	\$ 2,504,759	\$ 17,847,893	\$ 17,737,942	\$ 109,951	0.001		
General Service	9,555,153,028	32.09%	\$ -	\$ 3,404,359	\$ 234,392	\$ 930,089	\$ 4,568,840	\$ 5,826,545	\$ (1,257,705)	(0.013)		
Lighting	359,358,198	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
NC Retail	25,926,344,236	100%	\$14,711,909	\$ 3,404,359	\$ 865,617	\$ 3,434,848	\$ 22,416,733	\$ 23,564,487	\$ (1,147,754)			

**NOTES:**

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Exhibit 6.
- (2) Rate Class Demand Allocation Factor is derived in Miller Exhibit 5, page 6, column (5).
- (3) EnergyWise costs are directly assigned solely to the Residential Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (4) CIG DR costs are directly assigned solely to the General Service Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (5) A&G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives and net lost revenues) assigned in preceding columns.
- (6) Amounts are derived in Miller Exhibit 2, page 7.

*Please note: Exhibit may not foot due to rounding.*



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**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1206**  
**EMF Adjustment Summary**  
**January 2018 - December 2018**

Line	Description	Residential				General Service				Lighting				Totals			
		DSM	DSDR	EE	Total	DSM	DSDR	EE	Total	DSM	DSDR	EE	Total	DSM	DSDR	EE	Total
1	Test Period DSM/EE Rate Billings <sup>1</sup> <i>Amounts from Miller Exhibit 4</i>	\$ 17,729,490	\$ 18,022,227	\$ 63,559,093	\$ 99,310,811	\$ 5,663,182	\$ 10,628,046	\$ 46,092,363	\$ 62,383,592	\$ -	\$ 361,531	\$ -	\$ 361,531	\$ 23,392,672	\$ 29,011,804	\$ 109,651,457	\$ 162,055,933
2	Less: Uncollectible Allowance in Rates <sup>2</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	Over or (Under) collection of Uncollectibles <sup>3</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3a	True up of Vintage 2015 DSDR Depreciation & Interest	541,569				361,733				13,423		13,423		916,726			916,726
3b	True up of Vintage 2016 DSDR Depreciation & Interest	508,073				328,056				12,002		12,002		848,132			848,132
3c	True up of Vintage 2017 DSDR Depreciation & Interest	980,245				613,595				22,498		22,498		1,616,338			1,616,338
4	True up of Vintage 2016 PPI <sup>4</sup> <i>Amounts from Evans Exhibit 1 page 3</i>	-		(2,265)	(2,265)	-		-	-	-	-	-	-	-	(2,265)		(2,265)
5	True up of Vintage 2017 PPI <sup>5</sup> <i>Amounts from Evans Exhibit 1 page 5</i>	8,452		(9,016)	(564)	0		138,845	138,845					8,452	-	129,829	138,281
6	True up of Vintage 2016 Lost Revenue through Year 2017 <sup>6</sup> <i>Amounts from Evans Exhibit 2 page 3-4</i>		(44,890)	(44,890)				0	0							(44,890)	(44,890)
7	True up of Vintage 2017 Lost Revenue through Year 2017 <sup>7</sup> <i>Amounts from Evans Exhibit 2 page 3-4</i>		(8,042)	(8,042)			\$	(13,296)	(13,296)							(21,338)	(21,338)
8	Interest on Overcollections/(Undercollections) <sup>8</sup> <i>Amounts from Miller Exhibit 3</i>	-	-	1,253,424	1,253,424	163,363	-	17,928	181,291	-	15,660	-	15,660	163,363	15,660	1,271,352	1,450,374
9	Net Adjustments to DSM/EE EMF Clause <i>Σ Lines 1 through 8</i>	\$ 17,737,942	\$ 20,052,115	\$ 64,748,305	\$ 100,508,475	\$ 5,826,545	\$ 11,931,430	\$ 46,235,841	\$ 62,690,432	\$ -	\$ 425,114	\$ -	\$ 425,114	\$ 23,564,487	\$ 32,408,660	\$ 110,984,146	\$ 166,957,293

Miller Exhibit 2 page 5

To Miller Exhibit 2 page 5

To Miller Exhibit 2 page 4 → Miller Exhibit 2 page 5

To Miller Exhibit 2 page 4

Actual DSM/EE Rate billings for test period (January 2018 through December 2018).

The Company is not requesting an adjustment for uncollectibles in this proceeding.

The Company is not requesting an adjustment for uncollectibles in this proceeding.

See Evans Exhibit 1 page 3 for a detail list of Vintage 2016 programs impacted by EM&amp;V true-ups

See Evans Exhibit 1 page 5 for a detail list of Vintage 2017 programs impacted by EM&amp;V true-ups

See Evans Exhibit 2 page 5 for a detail list of Vintage 2016 programs impacted by EM&amp;V true-ups

See Evans Exhibit 2 page 5 for a detail list of Vintage 2017 programs impacted by EM&amp;V true-ups

Calculated interest obligation associated with test period (January 1, 2018 through December 31, 2018).

**Duke Energy Progress, LLC**  
**Docket No. E-2, Sub 1206**

**Estimated Return Calculation - Residential EE & DSM Programs Vintage 2018**

	Residential EE Costs, PPI & LR	Residential DSM Costs and PPI	Residential DSDR Program Costs Incurred	Total EE and DSM to be recovered	NC Residential Revenue Collected	NC Residential EE Program Collection %	EE Program Costs Revenue Collected	(Over)/Under Collection
2018 January	8,179,120	2,365,327	1,527,606	12,072,053	13,167,598	100.00%	(13,167,598)	(1,095,545)
2018 February	5,613,263	1,623,305	1,048,383	8,284,951	9,036,814	100.00%	(9,036,814)	(751,863)
2018 March	4,329,664	1,252,100	808,647	6,390,410	6,970,343	100.00%	(6,970,343)	(579,933)
2018 April	4,191,800	1,212,231	782,898	6,186,928	6,748,395	100.00%	(6,748,395)	(561,467)
2018 May	3,742,857	1,082,400	699,049	5,524,307	6,025,640	100.00%	(6,025,640)	(501,334)
2018 June	5,174,413	1,496,393	966,420	7,637,226	8,330,308	100.00%	(8,330,308)	(693,082)
2018 July	5,844,276	1,690,112	1,091,529	8,625,918	9,408,724	100.00%	(9,408,724)	(782,806)
2018 August	5,723,953	1,655,315	1,069,057	8,448,325	9,215,015	100.00%	(9,215,015)	(766,690)
2018 September	5,172,910	1,495,959	966,139	7,635,008	8,327,889	100.00%	(8,327,889)	(692,881)
2018 October	4,658,273	1,347,130	870,021	6,875,424	7,499,373	100.00%	(7,499,373)	(623,948)
2018 November	3,949,143	1,142,056	737,577	5,828,777	6,357,741	100.00%	(6,357,741)	(528,964)
2018 December	5,107,740	1,477,112	953,967	7,538,819	8,222,971	100.00%	(8,222,971)	(684,152)
	61,687,413	17,839,441	11,521,292	91,048,146	99,310,811			(8,262,665)

DEP is overcollected on all components  
Interest is calculated on the entire balance.

Note 1: Revenue source - CIM CRY4 reports

Note 2: Program & Carrying Costs allocated on a weighted average basis based on revenues collected.

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
	2018 tax rate				10.00%			0.768307	

2018 January	(1,095,545)	23.5036%	(257,492)	(257,492)	(838,052)	0.008333	(3,492)	(3,492)	0.768307	(4,545)
2018 February	(1,847,408)	23.5036%	(176,715)	(434,207)	(1,413,201)	0.008333	(9,380)	(12,872)	0.768307	(16,754)
2018 March	(2,427,341)	23.5036%	(136,305)	(570,513)	(1,856,829)	0.008333	(13,625)	(26,497)	0.768307	(34,488)
2018 April	(2,988,808)	23.5036%	(131,965)	(702,477)	(2,286,331)	0.008333	(17,263)	(43,760)	0.768307	(56,957)
2018 May	(3,490,142)	23.5036%	(117,831)	(820,309)	(2,669,833)	0.008333	(20,651)	(64,411)	0.768307	(83,835)
2018 June	(4,183,224)	23.5036%	(162,899)	(983,208)	(3,200,015)	0.008333	(24,458)	(88,869)	0.768307	(115,668)
2018 July	(4,966,030)	23.5036%	(183,988)	(1,167,196)	(3,798,834)	0.008333	(29,162)	(118,031)	0.768307	(153,624)
2018 August	(5,732,720)	23.5036%	(180,200)	(1,347,396)	(4,385,324)	0.008333	(34,101)	(152,131)	0.768307	(198,008)
2018 September	(6,425,600)	23.5036%	(162,852)	(1,510,247)	(4,915,353)	0.008333	(38,753)	(190,884)	0.768307	(248,448)
2018 October	(7,049,549)	23.5036%	(146,650)	(1,656,898)	(5,392,651)	0.008333	(42,950)	(233,834)	0.768307	(304,350)
2018 November	(7,578,513)	23.5036%	(124,326)	(1,781,223)	(5,797,290)	0.008333	(46,625)	(280,459)	0.768307	(365,035)
2018 December	(8,262,665)	23.5036%	(160,800)	(1,942,024)	(6,320,641)	0.008333	(50,491)	(330,950)	0.768307	(430,753)
							(330,950)			(430,753)

Twelve months return on 2018 Year End Balance (6,320,641) (632,064) (822,671)

Total return on Residential EE& DSM Programs (1,253,424)

**Duke Energy Progress, LLC**  
**Docket No. E-2, Sub 1206**

**Estimated Return Calculation -Non-Residential DSM Programs Vintage 2018**

		Non-Residential DSM Program Costs Incurred	Non-Residential Allocated Carrying Costs & A&G	Total Program Costs Incurred	NC Non-Residential DSM Revenue Collected	NC Non- Residential DSM Program Collection %	Non- Residential DSM Program Costs Revenue Collected	(Over)/Under Collection
2018	Januar	295,395	101,042	396,436	491,392	100.0000%	(491,392)	(94,956)
2018	Februar	272,343	93,156	365,499	453,044	100.0000%	(453,044)	(87,545)
2018	March	244,433	83,610	328,043	406,616	100.0000%	(406,616)	(78,574)
2018	April	250,698	85,753	336,451	417,038	100.0000%	(417,038)	(80,588)
2018	May	256,618	87,778	344,396	426,886	100.0000%	(426,886)	(82,491)
2018	June	318,652	108,997	427,649	530,081	100.0000%	(530,081)	(102,432)
2018	July	330,448	113,032	443,480	549,703	100.0000%	(549,703)	(106,224)
2018	August	337,019	115,279	452,298	560,634	100.0000%	(560,634)	(108,336)
2018	Septem	306,470	104,830	411,300	509,815	100.0000%	(509,815)	(98,516)
2018	Octob	302,866	103,597	406,462	503,820	100.0000%	(503,820)	(97,357)
2018	Noven	284,113	97,183	381,296	472,625	100.0000%	(472,625)	(91,329)
2018	Decem	205,305	70,226	275,531	341,528	100.0000%	(341,528)	(65,996)
		3,404,359	1,164,481	4,568,840	5,663,182		(5,663,182)	(1,094,342)

Note 1: Revenue source - CIM CRY4 reports

Note 2: Program & Carrying Costs allocated on a weighted average basis based on revenues collected.

	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
	2018 tax rate									0.768307
						10.00%				
2018	Januar	(94,956)	23.5036%	(22,318)	(22,318)	(72,638)	0.008333	(303)	(303)	0.768307
2018	Februar	(182,501)	23.5036%	(20,576)	(42,894)	(139,607)	0.008333	(884)	(1,187)	0.768307
2018	March	(261,075)	23.5036%	(18,468)	(61,362)	(199,713)	0.008333	(1,414)	(2,601)	0.768307
2018	April	(341,662)	23.5036%	(18,941)	(80,303)	(261,359)	0.008333	(1,921)	(4,522)	0.768307
2018	May	(424,153)	23.5036%	(19,388)	(99,691)	(324,462)	0.008333	(2,441)	(6,963)	0.768307
2018	June	(526,585)	23.5036%	(24,075)	(123,766)	(402,818)	0.008333	(3,030)	(9,993)	0.768307
2018	July	(632,808)	23.5036%	(24,966)	(148,733)	(484,076)	0.008333	(3,695)	(13,689)	0.768307
2018	August	(741,144)	23.5036%	(25,463)	(174,196)	(566,949)	0.008333	(4,379)	(18,068)	0.768307
2018	Septem	(839,660)	23.5036%	(23,155)	(197,350)	(642,310)	0.008333	(5,039)	(23,106)	0.768307
2018	Octob	(937,017)	23.5036%	(22,882)	(220,233)	(716,784)	0.008333	(5,663)	(28,769)	0.768307
2018	Noven	(1,028,346)	23.5036%	(21,466)	(241,698)	(786,648)	0.008333	(6,264)	(35,034)	0.768307
2018	Decem	(1,094,342)	23.5036%	(15,511)	(257,210)	(837,132)	0.008333	(6,766)	(41,799)	0.768307
								(41,799)		(54,405)
	Twelve months return on 2018 Year End Balance									(108,958)
	Total return on Non-Residential DSM									(163,363)

## Duke Energy Progress, LLC

Docket No. E-2, Sub 1206

## Estimated Return Calculation -Lighting DSDR Programs Vintage 2018

		Lighting DSDR Program Costs Incurred	Lighting Allocated Carrying Costs & A&G	Total Program Costs Incurred	NC Lighting Revenue Collected	NC Lighting Program Collection %	Lighting Program Costs Revenue Collected	(Over)/Under Collection	
2018	Januar	19,918	1,893	21,812	30,703	100.0000%	(30,703)	(8,891)	DEP is overcollected on the DSDR program, therefore, interest is calculated on the total.
2018	Februar	19,524	1,856	21,380	30,095	100.0000%	(30,095)	(8,715)	
2018	March	19,625	1,865	21,490	30,250	100.0000%	(30,250)	(8,760)	
2018	April	19,660	1,869	21,529	30,305	100.0000%	(30,305)	(8,776)	
2018	May	19,617	1,865	21,482	30,239	100.0000%	(30,239)	(8,757)	
2018	June	19,559	1,859	21,418	30,149	100.0000%	(30,149)	(8,731)	
2018	July	19,502	1,854	21,356	30,061	100.0000%	(30,061)	(8,706)	
2018	August	19,893	1,891	21,784	30,664	100.0000%	(30,664)	(8,880)	
2018	Septem	19,014	1,807	20,821	29,309	100.0000%	(29,309)	(8,488)	
2018	Octob	19,957	1,897	21,854	30,763	100.0000%	(30,763)	(8,909)	
2018	Noven	19,350	1,839	21,189	29,827	100.0000%	(29,827)	(8,638)	
2018	Decen	18,920	1,798	20,719	29,165	100.0000%	(29,165)	(8,446)	
		234,540	22,294	256,834	361,531		(361,531)	(104,697)	

Note 1: Revenue source - CIM CRY4 reports

Note 2: Program &amp; Carrying Costs allocated on a weighted average basis based on revenues collected.

	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
	2018 tax rate									0.768307
						10.00%				
2018	Januar	(8,891)	23.5036%	(2,090)	(2,090)	(6,802)	0.008333	(28)	(28)	0.768307
2018	Februar	(17,607)	23.5036%	(2,048)	(4,138)	(13,469)	0.008333	(84)	(113)	0.768307
2018	March	(26,367)	23.5036%	(2,059)	(6,197)	(20,170)	0.008333	(140)	(253)	0.768307
2018	April	(35,143)	23.5036%	(2,063)	(8,260)	(26,883)	0.008333	(196)	(449)	0.768307
2018	May	(43,900)	23.5036%	(2,058)	(10,318)	(33,582)	0.008333	(252)	(701)	0.768307
2018	June	(52,631)	23.5036%	(2,052)	(12,370)	(40,261)	0.008333	(308)	(1,009)	0.768307
2018	July	(61,337)	23.5036%	(2,046)	(14,416)	(46,920)	0.008333	(363)	(1,372)	0.768307
2018	August	(70,217)	23.5036%	(2,087)	(16,503)	(53,713)	0.008333	(419)	(1,791)	0.768307
2018	Septem	(78,704)	23.5036%	(1,995)	(18,498)	(60,206)	0.008333	(475)	(2,266)	0.768307
2018	Octob	(87,613)	23.5036%	(2,094)	(20,592)	(67,021)	0.008333	(530)	(2,796)	0.768307
2018	Noven	(96,251)	23.5036%	(2,030)	(22,622)	(73,629)	0.008333	(586)	(3,382)	0.768307
2018	Decen	(104,697)	23.5036%	(1,985)	(24,608)	(80,089)	0.008333	(640)	(4,023)	0.768307
								(4,023)		(5,236)
	Twelve months return on 2018 Year End Balance									(10,424)
	Total return on DSDR Lighting									(15,660)

**Duke Energy Progress, LLC**  
**Docket No. E-2, Sub 1206**  
**Estimated Return Calculation -Non-Residential EE & DSDR Programs Vintage 2018**

	Non-Residential EE Costs Incurred	Non-Residential DSDR Costs Incurred	Total Program Costs Incurred	NC EE Non-Residential Revenue Collected	NC Non-Residential EE Program Collection %	Total EE Revenue Collected	NC DSDR Non-Residential		NC Non-Residential DSDR		
							Revenue Collected	Program Collection %	DSDR Program Costs Revenue Collected	Total EE & DSDR Revenue Collected	(Over)/Under Collection
2018	January	3,190,047	637,523	3,827,570	2,857,937	100.0000%	(2,857,937)	986,298	100.0000%	(986,298)	(3,844,235)
2018	February	2,773,340	545,823	3,319,163	2,484,613	100.0000%	(2,484,613)	844,431	100.0000%	(844,431)	(3,329,044)
2018	March	2,495,679	489,817	2,985,496	2,235,859	100.0000%	(2,235,859)	757,785	100.0000%	(757,785)	(2,993,644)
2018	April	2,468,128	502,549	2,970,676	2,211,176	100.0000%	(2,211,176)	777,482	100.0000%	(777,482)	(2,988,658)
2018	May	2,404,603	514,118	2,918,721	2,154,264	100.0000%	(2,154,264)	795,381	100.0000%	(795,381)	(2,949,645)
2018	June	3,164,730	640,403	3,805,132	2,835,256	100.0000%	(2,835,256)	990,753	100.0000%	(990,753)	(3,826,009)
2018	July	3,332,429	662,700	3,995,129	2,985,496	100.0000%	(2,985,496)	1,025,249	100.0000%	(1,025,249)	(4,010,745)
2018	August	3,470,529	676,317	4,146,846	3,109,219	100.0000%	(3,109,219)	1,046,315	100.0000%	(1,046,315)	(4,155,534)
2018	September	3,217,231	613,630	3,830,861	2,882,291	100.0000%	(2,882,291)	949,334	100.0000%	(949,334)	(3,831,625)
2018	October	3,320,668	607,073	3,927,740	2,974,959	100.0000%	(2,974,959)	939,189	100.0000%	(939,189)	(3,914,148)
2018	November	3,018,256	567,722	3,585,978	2,704,031	100.0000%	(2,704,031)	878,311	100.0000%	(878,311)	(3,582,342)
2018	December	1,556,215	412,079	1,968,295	1,394,201	100.0000%	(1,394,201)	637,519	100.0000%	(637,519)	(2,031,720)
		34,411,854	6,869,754	41,281,607	30,829,304		(30,829,304)	10,628,046		(10,628,046)	(41,457,350)
											(175,743)

Note 1: Revenue source - CIM CRY4 reports

Note 2: Program &amp; Carrying Costs allocated on a weighted average basis based on revenues collected.

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
	2018 tax rate				7.05%			0.768307
					6.64%			
2018	January	(16,665)	23.5036%	(3,917)	(3,917)	(12,748)	0.005874	(37)
2018	February	(26,547)	23.5036%	(2,322)	(6,239)	(20,307)	0.005874	(97)
2018	March	(34,695)	23.5036%	(1,915)	(8,154)	(26,540)	0.005702	(134)
2018	April	(52,676)	23.5036%	(4,226)	(12,381)	(40,295)	0.005529	(185)
2018	May	(83,600)	23.5036%	(7,268)	(19,649)	(63,951)	0.005529	(288)
2018	June	(104,477)	23.5036%	(4,907)	(24,556)	(79,921)	0.005529	(398)
2018	July	(120,093)	23.5036%	(3,670)	(28,226)	(91,867)	0.005529	(475)
2018	August	(128,781)	23.5036%	(2,042)	(30,268)	(98,513)	0.005529	(526)
2018	September	(129,546)	23.5036%	(180)	(30,448)	(99,098)	0.005529	(546)
2018	October	(115,954)	23.5036%	3,195	(27,253)	(88,700)	0.005529	(519)
2018	November	(112,317)	23.5036%	855	(26,399)	(85,919)	0.005529	(483)
2018	December	(175,743)	23.5036%	(14,907)	(41,306)	(134,437)	0.005529	(609)
						4,298		

Twelve months return on 2018 Year End Balance

(134,437) (9,477)

(12,334)

Total return on Non-Residential EE programs

(17,928)

DEP is under-collected on program costs and undercollected in total, therefore the Company is calculating interest on the program cost piece of the balance.

Note: the monthly return was 7.05% from January until March 15, at which point the rate changed to 6.6351% after the new rate case order went into effect.

**Duke Energy Progress**  
 Supplemental Evans Exhibit 1, page 1 of 8 - NO CHANGE  
 Vintage 2016 True Up - January 1, 2016 to December 31, 2016  
 Docket Number E-2, Sub 1206  
 Load Impacts and Estimated Revenue Requirements by Program

	Residential Programs EE Programs	A		B		C		D		E		F		G		H	
		System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	Unadjusted Rev Requirement <sup>(1)</sup>	NC Retail kWh Sales Allocation Factor	NC Residential Unadjusted Revenue Requirement <sup>(2)</sup>	NC Residential Adjusted Revenue Requirement	=O (from page 2)					
1 Appliance Recycling Program	27	206,569	\$ 76,177	\$ (137,009)		11.75%	\$ 25,049	\$ (111,960)	85.4384204%	E1 * F1	\$ (95,657)	\$ -					
2 Energy Education Program for Schools	1,081	2,553,617	\$ 1,693,087	\$ 827,497	0.00%		\$ -	\$ 827,497	85.4384204%	E2 * F2	\$ 707,000	\$ -					
3 Energy Efficient Lighting	6,006	41,649,479	\$ 33,998,827	\$ 15,552,184	11.75%		\$ 2,167,481	\$ 17,719,665	85.4384204%	E3 * F3	\$ 15,139,401	\$ -					
4 Home Energy Improvement Program	1,904	6,289,383	\$ 6,991,688	\$ 6,013,170	11.75%		\$ 114,976	\$ 6,128,146	85.4384204%	E4 * F4	\$ 5,235,791	\$ -					
5 Multi-Family	1,480	12,462,490	\$ 7,155,924	\$ 2,045,220	11.75%		\$ 600,508	\$ 2,645,727	85.4384204%	E5 * F5	\$ 2,260,468	\$ -					
6 Neighborhood Energy Saver	304	1,992,091	\$ 1,167,680	\$ 2,052,535	0.00%		\$ -	\$ 2,052,535	85.4384204%	E6 * F6	\$ 1,753,654	\$ -					
7 Residential Energy Assessments	716	5,942,895	\$ 4,853,362	\$ 1,417,924	11.75%		\$ 403,664	\$ 1,821,588	85.4384204%	E7 * F7	\$ 1,556,336	\$ (29,272)					
8 Residential New Construction	4,359	9,954,835	\$ 19,280,066	\$ 9,405,615	11.75%		\$ 1,160,248	\$ 10,565,863	85.4384204%	E7 * F7	\$ 9,027,307	\$ 27,008					
9 Save Energy and Water Kit	5,914	17,671,857	\$ 13,873,513	\$ 674,538	11.75%		\$ 1,550,880	\$ 2,225,418	85.4384204%	E8 * F8	\$ 1,901,362	\$ -					
10 Residential Home Advantage	-	-	\$ -	\$ -	11.75%		\$ -	\$ -	85.4384204%		\$ -	\$ -					
11 Total for Residential Conservation Programs	21,790	98,723,216	\$ 89,090,325	\$ 37,851,674			\$ 6,022,805	\$ 43,874,479			\$ 37,485,662	\$ (2,265)					
12 My Home Energy Report	16,905	102,921,181	\$ 7,524,461	\$ 5,890,093	11.75%		\$ 192,038	\$ 6,082,131	85.4384204%	E11 * F11	\$ 5,196,477	\$ -					
13 Total Residential Conservation and Behavioral Programs	38,695	201,644,397	\$ 96,614,785	\$ 43,741,767			\$ 6,214,843	\$ 49,956,610			\$ 42,682,139	\$ (2,265)					
14 EnergyWise	34,059	-	\$ 70,854,171	\$ 6,887,758	11.75%		\$ 7,516,054	\$ 14,403,811	86.1687719%	46.8604563%	\$ 6,220,487	\$ -					
15 Total Residential	72,754	201,644,397	\$ 167,468,956	\$ 50,629,524			\$ 13,730,897	\$ 64,360,421			\$ 48,902,626	\$ (2,265)					
Non-Residential Programs EE Programs		System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	System Revenue Requirement	NC Retail kWh Sales Allocation Factor	NC Allocation Factor	NC Non-Residential Unadjusted Revenue Requirement <sup>(2)</sup>	NC Non-Residential Adjusted Revenue Requirement					
15 Business Energy Report	740	4,546,814	\$ 309,365	\$ 69,516			\$ -	\$ 69,516	85.4384204%	E13 * F13	\$ 59,393	\$ -					
16 Energy Efficiency for Business	10,201	71,154,719	\$ 47,824,935	\$ 14,159,310	11.75%		\$ 3,955,711	\$ 18,115,021	85.4384204%	E14 * F14	\$ 15,477,188	\$ -					
17 Energy Efficient Lighting	2,818	12,180,303	\$ 10,884,259	\$ 1,889,694	11.75%		\$ 1,056,861	\$ 2,946,556	85.4384204%	E16 * F16	\$ 2,517,491	\$ -					
18 Small Business Energy Saver	8,675	49,979,294	\$ 32,988,897	\$ 9,336,274	11.75%		\$ 2,779,183	\$ 12,115,457	85.4384204%	E17 * F17	\$ 10,351,255	\$ -					
19 Total for Non-Residential Conservation Programs	22,434	137,861,130	\$ 92,007,456	\$ 25,454,794			\$ 7,791,755	\$ 33,246,550			\$ 28,405,327	\$ -					
20 EnergyWise for Business	523	412,047	\$ 164,696	\$ 1,112,815	11.75%		\$ (111,404)	\$ 1,001,411	86.1687719%	E19 * F19	\$ 7,054,004	\$ -					
21 Commercial, Industrial, & Governmental Demand Response	(5,344)	-	\$ (10,684,333)	\$ -	11.75%		\$ -	\$ -	86.1687719%	E20 * F20	\$ -	\$ -					
22 Total for Non-Residential DSM Programs	(4,821)	412,047	\$ (10,520,037)	\$ 1,112,815			\$ (111,404)	\$ 1,001,411	86.1687719%	NC Allocation Factor (2)	\$ 7,054,004	\$ -					
23 Total Non Residential	17,613	138,273,177	\$ 81,487,419	\$ 26,567,609			\$ 7,680,352	\$ 34,247,961			\$ 35,459,331	\$ -					
24 Total All Programs	90,366	339,917,574	\$ 248,956,374	\$ 77,197,134			\$ 21,411,248	\$ 98,608,382			\$ 84,361,957	\$ (2,265)					
24 DSDR	281,372	33,941,086		7,944,728													
25 Total with DSDR	371,738	373,858,660	\$ 248,956,374	\$ 85,141,861			\$ 21,411,248	\$ 106,553,110			\$ 84,361,957	\$ (2,265)					

(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintages

(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

**Duke Energy Progress**  
 Supplemental Exhibit 1, page 2 of 8 NO CHANGE  
 Vintage 2016 True Up - January 1, 2016 to December 31, 2016  
 Docket Number E-2, Sub 1206  
 Load Impacts and Estimated Revenue Requirements by Program

	A	B	C =A*B	D =A+C	E	F	G =PMT([E,F,D])	H =1-B	I	J x2016 PPI True-Up new	K old	L	M =J-K	N =M*I*E	O =M+N	P	K =I+H							
<b>Residential Programs</b>																								
EE Programs																								
1 Appliance Recycling Program	\$ 21,402	37.61%	\$ (8,049)	\$ 13,353	6.75%	10	\$ 1,879	62.39%	\$ 3,011	\$ 3,011	\$ -	\$ -	\$ -	\$ 116,821	\$ -	\$ 28,547	\$ 20,592	\$ 38,647	\$ 17,038	\$ 7,505	\$ 4,492	\$ 119,833		
2 Energy Education Program for Schools	\$ -	37.61%	\$ -	\$ -	6.75%	N/A	\$ -	62.39%	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
3 Energy Efficient Lighting	\$ 1,851,861	37.61%	\$ (666,487)	\$ 1,155,374	6.75%	5	\$ 279,872	62.39%	\$ 448,586	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ 2,844,679	\$ -	\$ 546,425	\$ 309,670	\$ 621,854	\$ 636,857	\$ 397,825	\$ 332,048	
4 Home Energy Improvement Program	\$ 98,234	37.61%	\$ (36,946)	\$ 61,288	6.75%	10	\$ 8,624	62.39%	\$ 13,823	\$ 13,823	\$ -	1	\$ -	\$ -	\$ -	\$ 350,089	\$ 10,405	\$ 75,357	\$ 116,481	\$ 0	\$ 14,647	\$ 24,334	\$ 363,911	
5 Multi-Family Residential	\$ 513,064	37.61%	\$ (192,964)	\$ 320,100	6.75%	5	\$ 73,539	62.39%	\$ 124,282	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ 193,329	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 193,329	\$ 317,511	
6 Neighborhood Energy Saver	\$ -	37.61%	\$ -	\$ -	6.75%	N/A	\$ -	62.39%	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
7 Residential Energy Assessments	\$ 344,884	37.61%	\$ (129,711)	\$ 215,173	6.75%	5	\$ 52,122	62.39%	\$ 83,543	\$ 56,121	\$ (27,422)	1	\$ -	\$ (27,422)	\$ (1,850)	\$ (29,272)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
8 Residential New Construction	\$ 991,298	37.61%	\$ (372,828)	\$ 618,470	6.75%	10	\$ 87,026	62.39%	\$ 139,487	\$ 164,787	\$ 25,300	1	\$ -	\$ 25,301	\$ 1,707	\$ 27,008	\$ 174,649	\$ -	\$ -	\$ -	\$ 47,653	\$ 54,738	\$ 72,258	\$ 314,135
9 Save Energy and Cut Bills	\$ 1,325,047	37.61%	\$ (498,552)	\$ 826,696	6.75%	5	\$ 200,255	62.39%	\$ 320,973	\$ 320,973	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 320,973	
10 Small Business Advocate	\$ -	37.61%	\$ -	\$ -	6.75%	10	\$ 10,000	62.39%	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ 176,476	\$ 8,038	\$ 27,550	\$ 79,940	\$ 60,450	\$ 517	\$ -	\$ 166,276	
11 Total for Residential Conservation Programs	\$ 5,145,789		\$ (1,915,337)	\$ 3,210,453			\$ 707,317		\$ 1,133,704	\$ 1,131,583	\$ (2,121)		\$ (2,121)	\$ (143)	\$ (2,265)	\$ 3,856,042	\$ 18,424	\$ 677,879	\$ 526,684	\$ 828,814	\$ 702,066	\$ 474,715	\$ 626,461	\$ 4,989,746
12 My Home Energy Report	\$ 164,074	37.61%	\$ (61,709)	\$ 102,366	6.75%	1	\$ 102,366	62.39%	\$ 164,074	\$ 164,074	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 164,074	
13 Total Residential Conservation and Behavioral Programs	\$ 5,309,864		\$ (1,997,045)	\$ 3,312,819			\$ 809,683		\$ 1,297,778	\$ 1,295,657	\$ (2,121)		\$ (2,121)	\$ (143)	\$ (2,265)	\$ 3,856,042	\$ 18,424	\$ 677,879	\$ 526,684	\$ 828,814	\$ 702,066	\$ 474,715	\$ 626,461	\$ 5,153,820
14 EnergyWise	\$ 6,476,491	37.61%	\$ (2,435,815)	\$ 4,040,676	6.75%	10	\$ 568,568	62.39%	\$ 911,314	\$ 911,314	\$ -	1	\$ -	\$ -	\$ -	\$ 3,243,883	\$ 135,141	\$ 1,043,048	\$ 781,456	\$ 347,959	\$ 301,384	\$ 369,522	\$ 265,373	\$ 4,155,197
15 Total Residential	\$ 11,786,355		\$ (4,432,860)	\$ 7,353,495			\$ 1,378,251		\$ 2,209,092	\$ 2,206,973	\$ (2,121)		\$ (2,121)	\$ (143)	\$ (2,265)	\$ 7,099,925	\$ 153,564	\$ 1,720,927	\$ 1,308,140	\$ 1,177,773	\$ 1,003,450	\$ 844,237	\$ 891,833	\$ 9,309,017
<b>Non-Residential Programs</b>																								
EE Programs																								
15 Building Energy Report	\$ -	37.61%	\$ -	\$ -	6.75%	1	\$ -	62.39%	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
16 Energy Efficiency for Business	\$ 3,379,697	37.61%	\$ (1,271,107)	\$ 2,108,590	6.75%	3	\$ 798,757	62.39%	\$ 1,261,865	\$ 1,281,869	\$ -	1	\$ -	\$ -	\$ -	\$ 3,481,402	\$ 169,910	\$ 452,376	\$ 649,907	\$ 722,666	\$ 678,479	\$ 438,885	\$ 369,180	\$ 4,763,272
17 Energy Efficient Lighting	\$ 902,966	37.61%	\$ (339,606)	\$ 563,359	6.75%	5	\$ 136,465	62.39%	\$ 218,730	\$ 218,730	\$ -	1	\$ -	\$ -	\$ -	\$ 803,120	\$ 134,853	\$ 74,572	\$ 153,307	\$ 171,971	\$ 116,186	\$ 152,430	\$ 1,021,849	
18 Small Business Energy Saver	\$ 2,374,490	37.61%	\$ (893,048)	\$ 1,481,442	6.75%	3	\$ 561,889	62.39%	\$ 900,609	\$ 900,609	\$ -	1	\$ -	\$ -	\$ -	\$ 539,082	\$ -	\$ -	\$ -	\$ 80,709	\$ 217,323	\$ 241,051	\$ 1,439,692	
19 Total for Non-Residential Conservation Programs	\$ 6,657,153		\$ (2,503,762)	\$ 4,153,391			\$ 1,498,112		\$ 2,401,209	\$ 2,401,209	\$ -		\$ -	\$ -	\$ -	\$ 4,823,604	\$ 169,910	\$ 587,229	\$ 724,479	\$ 875,773	\$ 931,159	\$ 772,394	\$ 762,661	\$ 7,224,812
20 EnergyWise for Business	\$ (95,995)	37.61%	\$ 36,104	\$ (59,891)	6.75%	1	\$ (63,932)	62.39%	\$ (102,471)	\$ (102,471)	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (102,471)	
21 Commercial, Industrial & Governmental Demand Response	\$ 37,615	37.61%	\$ -	\$ -	6.75%	3	\$ (63,932)	62.39%	\$ (102,471)	\$ (102,471)	\$ -	1	\$ -	\$ -	\$ -	\$ 150,959	\$ -	\$ 65,722	\$ 17,655	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ 150,959
22 Total for Non-Residential DSM Programs	\$ (95,995)		\$ 36,104	\$ (59,891)			\$ 1,434,180		\$ 2,298,737	\$ 2,298,737	\$ -		\$ -	\$ -	\$ -	\$ 4,974,563	\$ 169,910	\$ 652,951	\$ 742,134	\$ 904,088	\$ 940,873	\$ 797,533	\$ 767,075	\$ 7,273,300
23 Total Non Residential	\$ 6,561,157		\$ (2,467,658)	\$ 4,093,500			\$ 2,812,430		\$ 4,507,830	\$ 4,505,708	\$ (2,121)		\$ (2,121)	\$ (143)	\$ (2,265)	\$ 12,074,488	\$ 323,474	\$ 2,373,878	\$ 2,050,273	\$ 2,081,861	\$ 1,944,323	\$ 1,641,770	\$ 1,658,508	\$ 16,582,318
24 Total All Programs	\$ 18,347,512		\$ (6,900,518)	\$ 11,446,995																				

(1) Energy Efficient Benchmarking impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintages

(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Duke Energy Progress  
Supplemental Evans Exhibit 1, page 3 of 8  
Vintage 2017 True Up - January 1, 2017 to December 31, 2017  
Docket Number E-2, Sub 1206  
Load Impacts and Estimated Revenue Requirements by Program

			A	B	C	D	E	F	G	H	H
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	Unadjusted Rev Requirement <sup>(1)</sup>	NC Retail kWh Sales Allocation Factor	NC Residential Unadjusted Revenue Requirement <sup>(2)</sup>	=K (from page 2)	=K (from page 2)
<b>Residential Programs</b>											
EE Programs											
1 Appliance Recycling Program	-	-	\$ 5,586		11.75%	\$ (656)	\$ 4,930	85.5082864%	E1 * F1	\$ 4,215	\$ -
2 Energy Education Program for Schools	996	2,353,765	\$ 1,376,442	\$ 835,991	0.00%	-	\$ 835,991	85.5082864%	E2 * F2	\$ 714,841	\$ -
3 Energy Efficient Lighting	4,798	29,678,583	\$ 30,351,056	\$ 10,904,279	11.75%	\$ 2,284,996	\$ 13,189,275	85.5082864%	E3 * F3	\$ 11,277,923	\$ (26,349)
4 Home Energy Improvement Program	1,975	7,357,730	\$ 6,313,442	\$ 6,961,463	11.75%	\$ (76,142)	\$ 6,885,320	85.5082864%	E4 * F4	\$ 5,887,519	\$ 9
5 Multi-Family	2,052	16,150,639	\$ 10,163,052	\$ 2,514,413	11.75%	\$ 898,715	\$ 3,413,128	85.5082864%	E5 * F5	\$ 2,918,508	\$ 1,926
6 Neighborhood Energy Saver	335	2,200,240	\$ 1,117,743	\$ 1,781,211	0.00%	-	\$ 1,781,211	85.5082864%	E6 * F6	\$ 1,523,083	\$ -
7 Residential Energy Assessments	933	7,734,231	\$ 5,512,365	\$ 1,863,486	11.75%	\$ 428,743	\$ 2,292,229	85.5082864%	E7 * F7	\$ 1,960,046	\$ (31,407)
8 Residential New Construction	5,266	12,245,876	\$ 21,481,837	\$ 11,671,724	11.75%	\$ 1,152,688	\$ 12,824,412	85.5082864%	E7 * F7	\$ 10,965,935	\$ 46,805
9 Save Energy and Water Kit	8,377	25,021,451	\$ 17,187,186	\$ 888,869	11.75%	\$ 1,915,052	\$ 2,803,921	85.5082864%	E8 * F8	\$ 2,397,585	\$ -
10 Residential Home Advantage	-	-	\$ -		11.75%	\$ -	\$ 5,508,2864%		\$ -	\$ -	
11 Total for Residential Conservation Programs	24,733	102,742,114	\$ 93,503,123	\$ 37,427,021		\$ 6,603,396	\$ 44,030,417		\$ 37,649,655	\$ (9,016)	\$ (9,016)
12 My Home Energy Report	19,964	117,851,515	\$ 6,972,509	\$ 6,753,153	11.75%	\$ 25,774	\$ 6,778,928	85.5082864%	E11 * F11	\$ 5,796,545	\$ -
13 Total Residential Conservation and Behavioral Programs	44,696	220,593,629	\$ 100,475,632	\$ 44,180,174		\$ 6,629,171	\$ 50,809,345		\$ 43,446,200	\$ (9,016)	\$ (9,016)
14 EnergyWise	33,428	-	\$ 62,410,503	\$ 6,502,032	11.75%	\$ 6,569,545	\$ 13,071,277	86.1579245%	NC Residential Peak Demand Allocation Factor	\$ 6,673,593	\$ 8,452
15 Total Residential	78,124	220,593,629	\$ 162,886,135	\$ 50,682,206		\$ 13,198,416	\$ 63,880,622		\$ 50,119,793	\$ (564)	\$ 83,501
<b>Non-Residential Programs</b>											
EE Programs											
16 Business Energy Report	-	-	\$ 737	\$ 20,330		\$ -	\$ 20,330	85.5082864%	E13 * F13	\$ 17,384	\$ -
17 Energy Efficiency for Business	17,038	103,363,897	\$ 77,891,372	\$ 21,749,807	11.75%	\$ 6,596,634	\$ 28,346,441	85.5082864%	E14 * F14	\$ 24,238,556	\$ 43,892
18 Energy Efficient Lighting	2,024	7,872,565	\$ 9,198,437	\$ 1,324,943	11.75%	\$ 925,136	\$ 2,250,078	85.5082864%	E16 * F16	\$ 1,924,003	\$ (8)
19 Non-Res SmartSaver Performance	58	435,108	\$ 335,899	\$ 147,160	11.75%	\$ 22,177	\$ 169,337	85.5082864%	E17 * F17	\$ 144,797	\$ -
20 Small Business Energy Saver	8,500	45,011,098	\$ 26,945,514	\$ 8,770,755	11.75%	\$ 2,135,534	\$ 10,906,290	85.5082864%	E18 * F18	\$ 9,325,781	\$ 94,962
21 Total for Non-Residential Conservation Programs	27,620	156,684,668	\$ 114,371,959	\$ 32,012,995		\$ 9,679,480	\$ 41,692,475		\$ 35,650,521	\$ 138,845	\$ 138,845
22 EnergyWise for Business	2,887	983,712	\$ 858,655	\$ 1,390,549	11.75%	\$ (62,498)	\$ 1,328,052	86.1579245%	E19 * F19	\$ -	\$ -
23 Commercial, Industrial, & Governmental Demand Response	1,969	-	\$ 3,531,967	\$ 1,393,650	11.75%	\$ 253,602	\$ 1,847,252	86.1579245%	E20 * F20	\$ 7,151,808	\$ -
24 Total for Non-Residential DSM Programs	4,855	983,712	\$ 4,410,622	\$ 2,784,199		\$ 191,105	\$ 2,975,304	86.1579245%	NC Allocation Factor (2)	\$ 7,151,808	\$ -
25 Total Non Residential	32,475	157,668,380	\$ 118,782,581	\$ 34,797,195		\$ 9,870,585	\$ 44,667,780		\$ 51,7294791%	\$ 42,802,329	\$ 138,845
26 Total All Programs	110,600	378,262,008	\$ 281,668,716	\$ 85,479,401		\$ 23,069,001	\$ 108,548,402			\$ 92,922,123	\$ 138,281
(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintages											
(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak											
24 DSDR	293,816	35,518,685	\$ 11,146,179				\$ 11,146,179				
25 Total with DSDR	404,416	413,780,693	\$ 281,668,716	\$ 96,625,580		\$ 23,069,001	\$ 119,694,581		\$ 92,922,123	\$ 138,281	\$ 222,346

v2017 mechanism allows negative PPI

Duke Energy Progress  
Supplemental Exhibits Exhibit 1, page 4 of 8  
Vintage 2017 True Up - January 1, 2017 to December 31, 2017  
Docket Number E-2, Sub 1206  
Load Impacts and Estimated Revenue Requirements by Program

A	B	C	D	E	F	G	H	I	x2017 PPI True-Up		K	
									=A+B	=A+C		
<b>Residential Programs</b>												K =J+I
<b>EE Programs</b>												
1 Appliance Recycling Program	\$ (561)	37.06%	\$ 208	\$ (353)	6.76%	10	\$ (50)	62.94%	\$ (79)	\$ (79)	\$ -	
2 Energy Education Program for Schools	\$ 5	37.06%	\$ 1,239,760	\$ 6,765	N/A	62.94%	\$ 5	62.94%	\$ 5	\$ -	\$ 5	
3 Energy Efficient Lighting	\$ 1,953,861	37.06%	\$ (724,101)	\$ 1,239,760	6.76%	5	\$ 297,985	62.94%	\$ 448,763	\$ (24,681)	\$ 1,666.8	\$ (26,449)
4 Home Energy Improvement Program	\$ (65,108)	37.06%	\$ 24,129	\$ (40,079)	6.76%	10	\$ (5,769)	62.94%	\$ (9,158)	\$ 5	361,911	\$ 10,405
5 Indoor Air Quality	\$ 788,476	37.06%	\$ 2,219,900	\$ (284,797)	6.76%	117,201	\$ 186,211	62.94%	\$ 1,804	\$ 1,804	\$ 1,72	\$ 1,926
6 Neighborhood Energy Saver	\$ 5	37.06%	\$ 5	\$ 483,079	6.76%	N/A	\$ 5	62.94%	\$ 5	\$ 5	\$ 5	\$ 5
7 Residential Energy Assessments	\$ 366,611	37.06%	\$ 115,866	\$ 230,745	6.76%	5	\$ 55,912	62.94%	\$ 88,834	\$ 59,415	\$ (29,419)	\$ (1,988)
8 Residential New Construction	\$ 985,644	37.06%	\$ (365,280)	\$ 620,364	6.76%	10	\$ 87,340	62.94%	\$ 138,767	\$ 182,605	\$ 43,842	\$ 43,842
9 Save Energy and Water Kit	\$ 1,637,528	37.06%	\$ (606,888)	\$ 1,030,661	6.76%	5	\$ 249,741	62.94%	\$ 396,792	\$ 5	\$ 314,139	\$ 5
10 Residential Home Advantage	\$ 5	37.06%	\$ 5	\$ 5	6.76%	10	\$ 5	62.94%	\$ 5	\$ 5	\$ 5	\$ 5
<b>Total for Residential Conservation Programs</b>	<b>\$ 5,646,451</b>		<b>\$ (2,092,274)</b>	<b>\$ 3,553,877</b>			<b>\$ 802,361</b>		<b>\$ 1,274,803</b>	<b>\$ 1,266,357</b>	<b>\$ (8,446)</b>	<b>\$ 5,8018</b>
<b>12 My Home Energy Report</b>	<b>\$ 22,031</b>		<b>\$ 13,871</b>			<b>6.76%</b>		<b>62.94%</b>	<b>\$ 22,039</b>	<b>\$ 22,039</b>	<b>\$ -</b>	<b>\$ 18,424</b>
<b>13 Total Residential Conservation and Behavioral Programs</b>	<b>\$ 5,668,490</b>		<b>\$ (2,160,242)</b>	<b>\$ 3,507,248</b>			<b>1</b>	<b>\$ 5</b>	<b>\$ 5</b>	<b>\$ 5</b>	<b>\$ 5</b>	<b>\$ 5</b>
<b>14 EnergyWise</b>	<b>\$ 5,659,921</b>		<b>37.06%</b>	<b>\$ (2,097,568)</b>	<b>\$ 3,562,358</b>	<b>6.76%</b>	<b>10</b>	<b>\$ 501,539</b>	<b>62.94%</b>	<b>\$ 796,851</b>	<b>\$ 804,768</b>	<b>\$ 7,917</b>
<b>15 Total Residential</b>	<b>\$ 11,329,416</b>		<b>\$ (4,198,310)</b>	<b>\$ 7,130,106</b>			<b>\$ 5</b>	<b>\$ 5</b>	<b>\$ 5</b>	<b>\$ 5</b>	<b>\$ 5</b>	<b>\$ 5</b>
<b>Non-Residential Programs</b>												
<b>EE Programs</b>												
16 Business Energy Report	\$ 5,645,609	37.06%	\$ 5	\$ (18,168)	\$ 13,871	6.76%	1	\$ 5	62.94%	\$ 2,138,844	\$ 5	\$ -
17 Energy Efficiency for Business	\$ 5,645,609	37.06%	\$ (2,094,451)	\$ 3,550,337	6.76%	3	\$ 120,847	62.94%	\$ 2,188,959	\$ 41,113	\$ 41,113	\$ 2,778
18 Energy Efficient Cooling	\$ 791,000	37.06%	\$ (293,70)	\$ 497,698	6.76%	5	\$ 120,847	62.94%	\$ 191,577	\$ (8)	\$ (8)	\$ 1,023,349
19 Non-Res Smart+Save Performance	\$ 18,963	37.06%	\$ (7,028)	\$ 11,935	6.76%	3	\$ 4,528	62.94%	\$ 7,154	\$ 7,154	\$ 5	\$ 5
20 Small Business Energy Saver	\$ 1,826,059	37.06%	\$ (676,737)	\$ 1,149,322	6.76%	3	\$ 436,015	62.94%	\$ 692,747	\$ 781,098	\$ 88,951	\$ 5
<b>Total for Non-Residential Conservation Programs</b>	<b>\$ 8,276,758</b>		<b>\$ (3,067,366)</b>	<b>\$ 5,209,392</b>			<b>\$ 1,908,034</b>		<b>\$ 3,031,512</b>	<b>\$ 3,161,568</b>	<b>\$ 130,056</b>	<b>\$ 5</b>
<b>21 EnergyWise for Business</b>	<b>\$ (53,847)</b>		<b>37.06%</b>	<b>\$ 19,956</b>	<b>\$ (33,893)</b>	<b>6.76%</b>	<b>1</b>	<b>\$ (36,181)</b>	<b>62.94%</b>	<b>\$ (57,486)</b>	<b>\$ (57,486)</b>	<b>\$ -</b>
<b>22 Commercial, Industrial, &amp; Governmental Demand Response</b>	<b>\$ 218,498</b>		<b>37.06%</b>	<b>\$ (80,975)</b>	<b>\$ 137,523</b>	<b>6.76%</b>	<b>3</b>	<b>\$ 5</b>	<b>62.94%</b>	<b>\$ 2,891</b>	<b>\$ 2,891</b>	<b>\$ -</b>
<b>23 Total for Non-Residential DSM Programs</b>	<b>\$ 164,652</b>		<b>\$ (61,020)</b>	<b>\$ 103,632</b>			<b>\$ 15,990</b>		<b>\$ 25,406</b>	<b>\$ 25,406</b>	<b>\$ -</b>	<b>\$ -</b>
<b>24 Total Non Residential</b>	<b>\$ 8,441,410</b>		<b>\$ (1,328,386)</b>	<b>\$ 5,313,024</b>			<b>\$ 3,192,024</b>		<b>\$ 3,056,912</b>	<b>\$ 3,186,973</b>	<b>\$ 130,056</b>	<b>\$ -</b>
<b>Total All Programs</b>	<b>\$ 19,769,825</b>		<b>\$ (7,266,095)</b>	<b>\$ 12,443,130</b>			<b>\$ 5,324,795</b>		<b>\$ 5,150,611</b>	<b>\$ 5,280,138</b>	<b>\$ 129,527</b>	<b>\$ 5,753</b>
												<b>\$ 123,474</b>
												<b>\$ 2,773,878</b>
												<b>\$ 2,050,273</b>
												<b>\$ 2,081,861</b>
												<b>\$ 1,641,770</b>
												<b>\$ 1,658,908</b>
												<b>\$ 4,446,227</b>
												<b>\$ 21,671,325</b>

(1) Energy Efficient Benchmarking impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintages  
(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Duke Energy Progress Supplemental Evans Exhibit 1, page 5 of 8 Vintage 2018 True Up - January 1, 2018 to December 31, 2018 Docket Number E-2, Sub 1206 Load Impacts and Estimated Revenue Requirements by Program														
	A		B		C		D		E		F		G	
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	Unadjusted Rev Requirement <sup>(1)</sup>	NC Retail kWh Sales Allocation Factor	NC Residential Unadjusted Revenue Requirement <sup>(2)</sup>	NC Residential Adjusted Revenue Requirement	=K (from page 2)			
<b>Residential Programs</b>														
EE Programs														
1 Appliance Recycling Program	-	-	\$ 1,365,518	\$ 676,615	11.75%	\$ -	\$ 676,815	85,5608674%	E1 * F1	\$ -	\$ 119,754			
2 Energy Education Program for Schools	766	2,563,019	\$ 5,361,656	\$ 1,851,965	0.00%	\$ -	\$ 10,726,031	85,5608674%	E2 * F2	\$ 579,089	\$ -			
3 Energy Efficient Lighting	4,227	25,642,842	\$ 25,551,801	\$ 8,752,062	11.75%	\$ 1,973,969	\$ 7,065,295	85,5608674%	E3 * F3	\$ 9,177,285	\$ 4,175,557			
4 Residential Service - Smart Saver	1,805	7,228,648	\$ 6,287,655	\$ 7,168,833	11.75%	\$ (103,538)	\$ 3,088,515	85,5608674%	E4 * F4	\$ 6,045,127	\$ 342,294			
5 Multi-Family	1,744	13,291,652	\$ 8,186,531	\$ 2,409,743	11.75%	\$ 678,773	\$ 100,000,0000	85,5608674%	E5 * F5	\$ 2,642,560	\$ 619,236			
6 Multi-Family PipeWrap EMV Adjustment	-	-	\$ -	\$ -	11.75%	\$ (103,989)	\$ (103,989)	85,5608674%	E6 * F6	\$ (103,989)	\$ -			
7 Neighborhood Energy Saver	347	2,276,804	\$ 1,226,687	\$ 1,845,739	0.00%	\$ -	\$ 1,845,739	85,5608674%	E7 * F7	\$ 1,579,230	\$ -			
8 Residential Energy Assessments	935	7,751,895	\$ 5,361,656	\$ 1,851,965	11.75%	\$ 412,389	\$ 2,264,353	85,5608674%	E8 * F8	\$ 1,937,400	\$ 257,791			
9 Residential New Construction	5,440	14,263,325	\$ 22,728,212	\$ 13,189,949	11.75%	\$ 1,120,746	\$ 14,310,695	85,5608674%	E9 * F9	\$ 12,244,355	\$ 587,678			
10 Save Energy and Water Kit	5,058	15,252,311	\$ 10,187,632	\$ 825,279	11.75%	\$ 1,100,076	\$ 1,925,355	85,5608674%	E10 * F10	\$ 1,647,351	\$ 945,613			
11 Residential Home Advantage	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85,5608674%	E11 * F11	\$ -	\$ 176,476			
12 Total for Residential Conservation Programs	20,322	88,272,404	\$ 80,896,092	\$ 36,720,384		\$ 5,078,426	\$ 41,798,809			\$ 35,748,408	\$ 7,224,399			
13 My Home Energy Report	20,776	122,685,145	\$ 7,157,767	\$ 7,688,891	11.75%	\$ (62,290)	\$ 7,625,601	85,5608674%	E13*F13	\$ 6,524,531	\$ (53,295)			
14 Total Residential Conservation and Behavioral Programs	41,098	210,957,549	\$ 88,053,859	\$ 44,408,274		\$ 5,016,136	\$ 49,424,411			\$ 42,272,939	\$ 7,171,104			
15 EnergyWise	29,483	-	\$ 55,956,965	\$ 5,664,027	11.75%	\$ 5,909,420	\$ 11,573,447	86,5304240%	NC Residential Peak Demand Allocation Factor	(2)				
16 Total Residential	70,580	210,957,549	\$ 144,010,825	\$ 50,072,301		\$ 10,925,557	\$ 60,997,858			\$ 48,504,779	\$ 12,841,842			
<b>Non-Residential Programs</b>														
EE Programs														
17 Business Energy Report	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85,5608674%	E17 * F17	\$ -	\$ -			
18 Energy Efficient Lighting	1,752	6,759,940	\$ 8,143,582	\$ 1,063,434	11.75%	\$ 831,917	\$ 1,895,351	85,5608674%	E18 * F18	\$ 1,621,679	\$ 1,385,841			
19 Non-Resident Smart Saver Prescriptive	14,782	85,112,310	\$ 65,243,166	\$ 11,515,913	11.75%	\$ 6,312,952	\$ 17,828,865	85,5608674%	E19 * F19	\$ 15,254,532	\$ 8,950,905			
20 Non-Residential Smart Saver Custom	1,883	11,901,442	\$ 8,888,940	\$ 2,174,163	11.75%	\$ 788,986	\$ 2,963,150	85,5608674%	E20 * F20	\$ 2,535,296	\$ 255,925			
21 Non-Res SmartSaver Performance	129	1,519,117	\$ 808,686	\$ 201,559	11.75%	\$ 71,337	\$ 272,897	85,5608674%	E21 * F21	\$ 233,493	\$ 30,334			
22 Small Business Energy Saver	6,667	40,298,466	\$ 22,295,462	\$ 8,858,213	11.75%	\$ 1,578,877	\$ 10,437,089	85,5608674%	E22 * F22	\$ 8,930,064	\$ 2,644,583			
23 Total for Non-Residential Conservation Programs	25,213	145,591,275	\$ 105,379,835	\$ 23,813,283		\$ 9,584,070	\$ 33,397,353			\$ 28,575,064	\$ 13,267,589			
24 EnergyWise for Business	2,661	38,158	\$ (557,432)	\$ 2,108,030	11.75%	\$ (313,192)	\$ 1,794,838	86,5304240%	E24 * F24	\$ 3,641,467	\$ (271,006)			
25 Commercial, Industrial, & Governmental Demand Response	1,629	-	\$ 2,073,843	\$ 1,373,929	11.75%	\$ 82,240	\$ 1,456,169	86,5304240%	E25 * F25	\$ 2,954,357	\$ 260,829			
26 Total for Non-Residential DSM Programs	4,290	38,158	\$ 1,516,411	\$ 3,481,959		\$ (230,952)	\$ 3,251,007	86,5304240%	NC Allocation Factor	(2)	\$ 6,595,824	\$ (10,177)		
27 Total Non Residential	29,503	145,629,433	\$ 106,896,246	\$ 27,295,242		\$ 9,353,118	\$ 36,648,360			\$ 35,170,888	\$ 13,257,412			
28 Total All Programs	100,083	356,586,982	\$ 250,907,071	\$ 77,367,543		\$ 20,278,675	\$ 97,646,218			\$ 83,675,666	\$ 26,099,254			
24 DSDR	275,885	44,989,144		\$ 12,886,517			\$ 12,886,517							
25 Total with DSDR	375,968	401,576,126	\$ 250,907,071	\$ 90,254,060		\$ 20,278,675	\$ 110,532,734			\$ 83,675,666	\$ 26,099,254			



Duke Energy Progress  
Supplemental Evans Exhibit 1, page 7 of 8  
Vintage 2020 Estimate - January 1, 2020 to December 31, 2020  
Docket No. E-2, Sub 1206  
Load Impacts and Estimated Revenue Requirements by Program

(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintages  
(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

