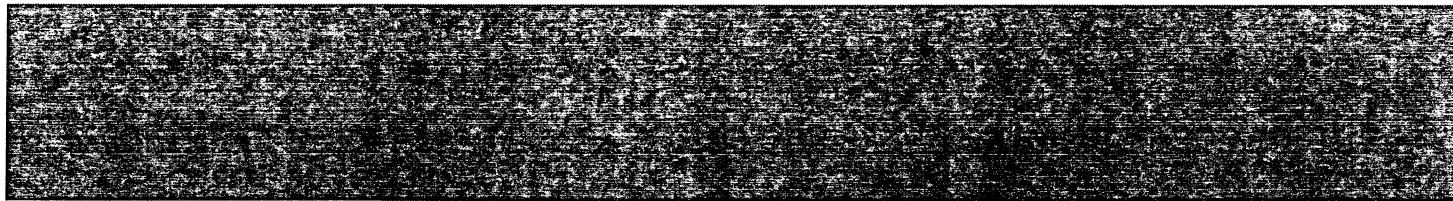


Line No.	Renewable Resource	RECs	MWh (Energy)	Total Cost	Avoided Cost	Incremental Cost	Avoided Cost Recovered in Fuel Cost Adjustment Rider
----------	--------------------	------	--------------	------------	--------------	------------------	--



						\$ 37,991,060	
9	Other Incremental			\$ 1,385,663		\$ 1,385,663	(g)
10	Solar Rebate Program			\$ 1,494,134	Jennings Exhibit No. 2	\$ 1,494,134	(h)
11	Research			\$ 995,700		\$ 995,700	(i)
12	<b>Total</b>					<u>\$ 41,866,557</u> (below)	

Jennings Exhibit No. 2

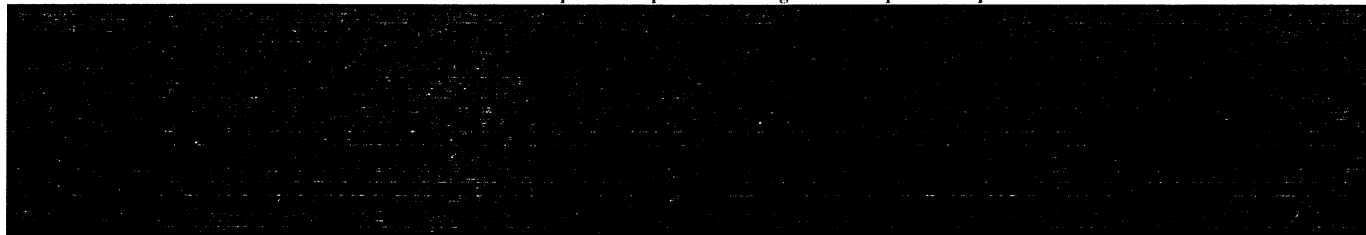
Incremental cost category - excluding Solar Rebate Program cost (allocated to DEC NC retail only)

	Incremental Cost	Percent of Total Incremental Cost
--	------------------	-----------------------------------

15	Total combined DEC retail and wholesale customer REPS compliance cost	\$ 40,372,423	
17	Total - subject to allocation to DEC NC retail	\$ 41,866,557 (above)	

Allocate incremental cost of solar resources between solar compliance requirement and general compliance requirement:

18  
 19  
 20  
 21  
 22  
 23



DUKE ENERGY CAROLINAS, LLC  
 Docket No. E-7, Sub 1246  
 Projected Compliance Costs for the Billing Period September 1, 2021 to August 31, 2022

Williams Exhibit No. 1  
 Page 2 of 2  
 February 23, 2021

Line No.	Renewable Resource	RECs	MWh (Energy)	Total Cost	Avoided Cost	Incremental Cost	Avoided Cost Recovered in Fuel Cost Adjustment Rider
[REDACTED]							

10	Other Incremental			\$ 1,436,600		\$ 1,436,600	(g)
11	Estimated receipts related to contract performance			\$ (1,000,000)	Jennings Exhibit No. 2	\$ (1,000,000)	(q)
12	Solar Rebate Program			\$ 2,339,100		\$ 2,339,100	(h)
13	Research			\$ 977,300		\$ 977,300	(i)
14	<b>Total</b>			[REDACTED]		<u>\$ 36,257,897</u> (below)	

**Incremental cost category - excluding Solar Rebate Program cost (allocated to DEC NC retail only)**

	Incremental Cost	Percent of Total Incremental Cost
--	------------------	-----------------------------------

[REDACTED]		
17	<b>Total combined DEC retail and wholesale customer REPS compliance cost</b>	\$ 33,918,797
19	<b>Total - subject to allocation to DEC NC retail</b>	\$ 36,257,897 (above)

Allocate estimated incremental cost of solar resources between solar compliance requirement and general compliance requirement:

18 [REDACTED]

19 [REDACTED]

20 [REDACTED]

Solar Incremental Cost allocation:

21 [REDACTED]

22 [REDACTED]

23 [REDACTED]

Allocate incremental cost per customer class:

Combined DEC North Carolina Retail and Wholesale									
Line No.	Customer class	Total unadjusted number of accounts <sup>(1)</sup>	Adjustment for self-supplied requirements <sup>(1)</sup>	Total adjusted number of accounts <sup>(1)</sup>	Annual per account cost cap	Annual adjusted revenue cap	Cost cap allocation factor	Combined incremental REPS compliance cost for DEC NC retail / wholesale	Annual per account charge <sup>(2)</sup>
1	Residential	1,914,029	480,021	1,434,008	\$ 27	\$ 38,718,216	53.2%	\$ 21,494,278	\$ 14.99
2	General	269,550	67,432	202,118	\$ 150	\$ 30,317,700	41.7%	\$ 16,831,263	\$ 83.27
3	Industrial	4,915	1,229	3,686	\$ 1,000	\$ 3,686,000	5.1%	\$ 2,046,882	\$ 555.31
4	<b>Total</b>	<b>2,188,494</b>	<b>548,682</b>	<b>1,639,812</b>		<b>\$ 72,721,916</b>	<b>100.0%</b>	<b>\$ 40,372,423</b>	(b)

Williams Exhibit No. 1,  
Page 1, Line No. 15

Calculate DEC NC retail-only annual REPS compliance cost per customer class:

DEC North Carolina Retail Only					
Line No.	Customer class	Total adjusted number of accounts - DEC NC retail <sup>(1)</sup>	Annual per account charge <sup>(2)</sup>	Incremental REPS compliance cost allocated to DEC NC retail	
5	Residential	1,333,508	\$ 14.99	\$ 19,989,285	
6	General	190,779	\$ 83.27	\$ 15,886,167	
7	Industrial	3,543	\$ 555.31	\$ 1,967,463	
8	<b>Total</b>	<b>1,527,830</b>		<b>37,842,915</b>	(a)

Percent allocated to DEC NC retail  
93.73% (a) / (b)

DEC NC retail components for cost allocation to customer class					
		Incremental REPS compliance cost by type	DEC NC retail incremental REPS compliance cost by type	Add: Solar Rebate Program cost	Total DEC NC retail REPS recovery cost by type
9	Set-aside, Other Incremental, and Research, + Solar Rebate Program	68.2%	\$ 25,808,868	\$ 1,494,134	\$ 27,303,002
10	General RECs	31.8%	\$ 12,034,047	\$ -	\$ 12,034,047
11	Total incremental REPS compliance cost for DEC NC retail		<b>\$ 37,842,915</b>	<b>\$ 1,494,134</b>	<b>39,337,049</b>

Williams Exhibit No. 1,  
Page 1, Line Nos. 13,14  
(a)

Notes:

- (1) Average number of accounts subject to REPS charge during 2020.
- (2) Annual per account charges are the result of the allocation of REPS costs between Duke Energy Carolinas retail customers and the Company's wholesale REPS customers, and are used only for calculating the total cost obligations of Duke Energy Carolinas retail customers and the wholesale REPS customers, respectively. Proposed REPS rider charges per account are instead calculated using unadjusted REPS account totals by class - see Williams Exhibit No. 4.

Compliance Costs - EMF Period January 1, 2020 - December 31, 2020

DEC North Carolina Retail Only

Calculate Set-aside and other incremental costs per customer class:

Line No.	Customer class	Total unadjusted number of accounts <sup>(1)</sup>	Annual per account cost cap	Calculated annual revenue cap	Cost cap allocation factor	Allocated annual Set-aside, Other Incremental, Solar Rebate Program, and Research Cost
1	Residential	1,778,011	\$ 27	48,006,297	52.82%	\$ 14,421,524
2	General	254,372	\$ 150	38,155,800	41.98%	\$ 11,462,346
3	Industrial	4,724	\$ 1,000	4,724,000	5.20%	\$ 1,419,132
4	<b>Total</b>	<b>2,037,107</b>		<b>90,886,097</b>	<b>100.00%</b>	<b>\$ 27,303,002</b>

Williams Ex. No. 2 Pg 1  
Line No. 9

Calculate General Requirement incremental costs per customer class:

Line No.	Customer class	Number of RECs for General compliance <sup>(3)</sup> (a)	% of EE RECs supplied by class <sup>(2)</sup>	REC requirement supplied by EE by class <sup>(b)</sup>	Number of General RECs net of EE (c) = (a) - (b)	General cost allocation factor (e) = (c) / (d)	Allocated annual General incremental costs
5	Residential		42.3167%			58.96%	\$ 7,095,274
6	General		45.0355%			40.20%	\$ 4,837,687
7	Industrial		12.6478%			0.84%	\$ 101,086
8	<b>Total</b>		<b>100.0000%</b>			<b>100.00%</b>	<b>\$ 12,034,047</b>

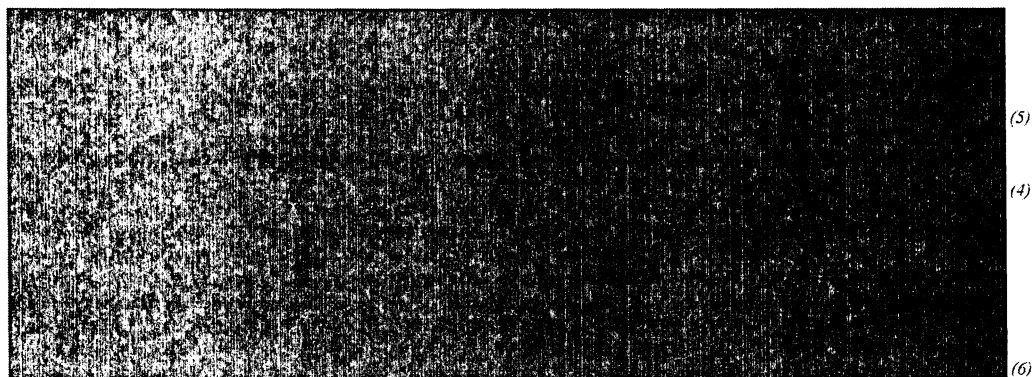
Williams Ex. No. 2 Pg 1  
Line No. 10

Total cost allocation by customer class:

	Total Incremental REPS cost by class	% Incremental REPS cost by class
9 Residential	\$ 21,516,798	54.70%
10 General	\$ 16,300,033	41.44%
11 Industrial	\$ 1,520,218	3.86%
12 <b>Total</b>	<b>\$ 39,337,049</b>	<b>100.00%</b>

Williams Ex. No. 2 Pg 1  
Line No. 11

- (1) Average number of accounts subject to REPS charge during 2020.
- (2) EE allocated to account type according to actual relative contribution by customer class of EE RECs.
- (3) Total General RECs per note (4) \* "Cost Cap Allocation Factor" by class per line Nos. 1-3 above.



(5)  
(4)  
(6)

Compliance Costs - EMF Period January 1, 2020 - December 31, 2020

Calculate incremental cost under/(over) collection per customer class:

DEC North Carolina Retail Only

Line No.	Customer class	Allocated annual Set-aside, Other Incremental, Solar Rebate Program, and Research cost	Allocated annual General incremental costs	Total incremental costs incurred January - December 2020	Actual DEC NC retail REPS revenues realized January - December 2020	REPS EMF - under/(over)-collection, before interest	Interest on over-collection <sup>(1)</sup>	REPS EMF - under/(over)-collection
1	Residential	\$ 14,421,524	\$ 7,095,274	\$ 21,516,798	\$ 19,163,075	\$ 2,353,723	\$ -	\$ 2,353,723
2	General	\$ 11,462,346	\$ 4,837,687	\$ 16,300,033	\$ 13,974,775	\$ 2,325,258	\$ -	\$ 2,325,258
3	Industrial	\$ 1,419,132	\$ 101,086	\$ 1,520,218	\$ 1,092,916	\$ 427,302	\$ -	\$ 427,302
4	<b>Total</b>	<b>\$ 27,303,002</b>	<b>\$ 12,034,047</b>	<b>\$ 39,337,049</b>	<b>\$ 34,230,766</b>	<b>\$ 5,106,283</b>	<b>\$ -</b>	<b>\$ 5,106,283</b>
		Williams Ex. No. 2 Pg 2 Line No. 4	Williams Ex. No. 2 Pg 2 Line No. 8	Williams Ex. No. 2 Pg 2 Line No. 12				

Note:  
 (1) Interest calculated at annual rate of 10% for number of months from mid-point of EMF period to mid-point of prospective rider billing period.

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**Projected Compliance Costs - Billing Period September 1, 2020 - August 31, 2021**

Allocate incremental cost per customer class:

Combined DEC North Carolina Retail and Wholesale									
Line No.	Customer class	Total unadjusted number of accounts <sup>(1)</sup>	Adjustment for self-supplied requirements <sup>(1)</sup>	Total adjusted number of accounts <sup>(1)</sup>	Annual per account cost cap	Annual adjusted revenue cap	Cost cap allocation factor	Combined incremental REPS compliance cost for DEC NC retail / wholesale	Annual per account charge <sup>(2)</sup>
1	Residential	1,928,005	745,868	1,182,137	\$ 27	\$ 31,917,699	53.7%	\$ 18,207,610	\$ 15.40
2	General	268,041	104,161	163,880	\$ 150	\$ 24,582,000	41.4%	\$ 14,025,423	\$ 85.58
3	Industrial	4,854	1,901	2,953	\$ 1,000	\$ 2,953,000	5.0%	\$ 1,685,764	\$ 570.86
4	<b>Total</b>	<b>2,200,900</b>	<b>851,930</b>	<b>1,348,970</b>		<b>\$ 59,452,699</b>	<b>100.0%</b>	<b>\$ 33,918,797</b>	

Williams Exhibit No. 1, page 2 Line No. 14

DEC North Carolina Retail Only				
Line No.	Customer class	Total adjusted number of accounts - DEC NC retail <sup>(1)</sup>	Annual per account charge <sup>(2)</sup>	Incremental REPS compliance cost allocated to DEC NC retail
5	Residential	1,075,106	\$ 15.40	\$ 16,556,632
6	General	151,658	\$ 85.58	\$ 12,978,892
7	Industrial	2,798	\$ 570.86	\$ 1,597,266
8	<b>Total</b>	<b>1,229,562</b>		<b>31,132,790</b> (a)

Percent allocated to DEC NC retail  
91.79% (a) / (b)

DEC NC retail components for cost allocation to customer class					
		Incremental REPS compliance cost by type	DEC NC retail incremental REPS compliance cost by type	Add: Solar Rebate Program cost	Total DEC NC retail REPS recovery cost by type
9	Set-aside, Other Incremental, and Research, + Solar Rebate Program	63.8%	\$ 19,862,720	\$ 2,339,100	\$ 22,201,820
10	General RECs	36.2%	\$ 11,270,070	\$ -	\$ 11,270,070
11	Total incremental REPS compliance cost for DEC NC retail		<b>31,132,790</b>	<b>2,339,100</b>	<b>33,471,890</b>

Notes: Williams Exhibit No. 1, page 2 Line Nos. 15, 16 (a)

(1) Projected number of accounts subject to REPS charge during the billing period.  
 (2) Annual per account charges are the result of the allocation of REPS costs between Duke Energy Carolinas retail customers and the Company's wholesale REPS customers, and are used only for calculating the total cost obligations of Duke Energy Carolinas retail customers and the wholesale REPS customers, respectively. Proposed REPS rider charges per account are instead calculated using unadjusted REPS account totals by class - see Williams Ex. No. 4.

Projected Compliance Costs - Billing Period September 1, 2020 - August 31, 2021

DEC North Carolina Retail Only

Calculate Set-aside and other incremental costs per customer class:

Line No.	Customer class	Total unadjusted number of accounts <sup>(1)</sup>	Annual per account cost cap	Calculated annual revenue cap	Cost cap allocation factor	Allocated annual Set-aside, Other Incremental, Solar Rebate Program, and Research Cost
1	Residential	1,791,844	\$ 27	48,379,788	53.19%	\$ 11,809,059
2	General	252,763	\$ 150	37,914,450	41.68%	\$ 9,254,566
3	Industrial	4,663	\$ 1,000	4,663,000	5.13%	\$ 1,138,195
4	<b>Total</b>	<b>2,049,270</b>		<b>90,957,238</b>	<b>100.00%</b>	<b>\$ 22,201,820</b>

Williams Ex. No. 3 Pg 1  
Line 9

Calculate General Requirement incremental costs per customer class:

Line No.	Customer class	Number of RECs for General compliance <sup>(a)</sup>	% of EE RECs supplied by class <sup>(2)</sup>	REC requirement supplied by EE by class <sup>(b)</sup>	Number of General RECs net of EE (c) = (a) - (b)	General cost allocation factor (e) = (c) / (d)	Allocated annual General incremental costs
5	Residential	[REDACTED]	42.3%	[REDACTED]		84.97%	\$ 9,576,178
6	General	[REDACTED]	45.0%	[REDACTED]		31.89%	\$ 3,594,025
7	Industrial	[REDACTED]	12.6%	[REDACTED]		-16.86%	\$ (1,900,134)
8	<b>Total</b>	[REDACTED]	<b>100.0%</b>	[REDACTED]		<b>100.00%</b>	<b>\$ 11,270,070</b>

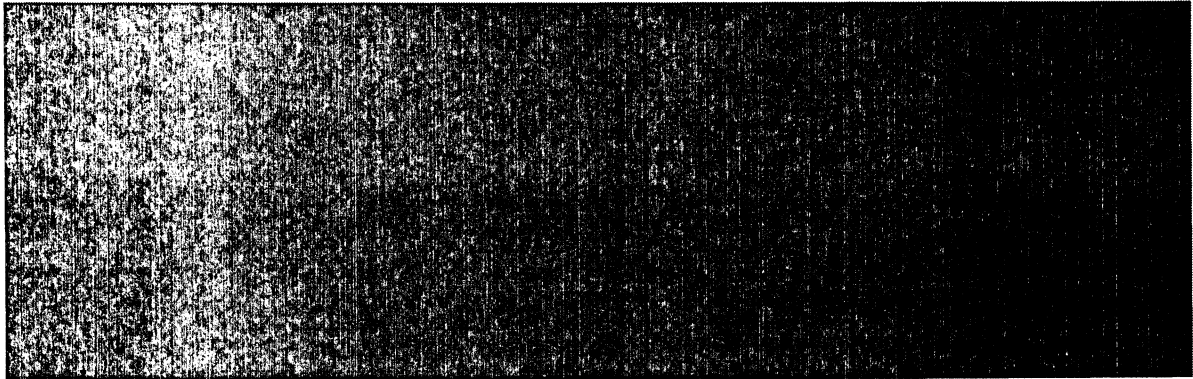
Williams Ex. No. 3 Pg 1  
Line 10

Total cost allocation by customer class:

	Total Incremental REPS cost by class	% Incremental REPS cost by class
9 Residential	\$ 21,385,237	63.89%
10 General	\$ 12,848,591	38.39%
11 Industrial	\$ (761,939)	-2.28%
12 <b>Total</b>	<b>\$ 33,471,889</b>	<b>100.00%</b>

Williams Ex. No. 3 Pg 1  
Line 11

- (1) Projected number of accounts subject to REPS charge during the billing period.
- (2) EE allocated to account type according to actual projected contribution by customer class of EE RECs.
- (3) Total General RECs per note (4) \* "Cost Cap Allocation Factor" by class per line Nos. 1-3 above.



**Projected Compliance Costs - Billing Period September 1, 2020 - August 31, 2021**

Calculate incremental cost to collect per customer class - Billing Period:

DEC North Carolina Retail Only

Line No.	Customer class	Allocated annual Set-aside, Other Incremental, Solar Rebate Program, and Research cost	Allocated annual General incremental costs	Total incremental cost - September 1, 2020 - August 31, 2122
1	Residential	\$ 11,809,059	\$ 9,576,178	\$ 21,385,237
2	General	\$ 9,254,566	\$ 3,594,025	\$ 12,848,591
3	Industrial	\$ 1,138,195	\$ (1,900,134)	\$ (761,939)
4	<b>Total</b>	<b>\$ 22,201,820</b>	<b>\$ 11,270,069</b>	<b>\$ 33,471,889</b>
		Williams Exhibit No. 3, Pg 2, line 4	Williams Exhibit No. 3, Pg 2, line 8	Williams Exhibit No. 3, Pg 2, line 12



DUKE ENERGY CAROLINAS, LLC  
Docket No. E-7, Sub 1246

Williams Exhibit No. 4  
Page 1 of 1  
February 23, 2021

**Calculate DEC NC Retail monthly REPS rider components:**

Line No.	Customer class	Total projected number of accounts -DEC NC retail <sup>(1)</sup>	Annual REPS EMF under/(over)-collection	Receipts for contract amendments, penalties, change-of-control, etc. <sup>(3)</sup>	Total EMF costs/(credits)	Monthly EMF Rider <sup>(2)</sup>	Projected total incremental REPS costs	Monthly REPS Rider <sup>(2)</sup>
1	Residential	1,791,844	\$ 2,353,723	\$ (32,043)	\$ 2,321,680	\$ 0.11	\$ 21,385,237	\$ 0.99
2	General	252,763	\$ 2,325,258	\$ (24,274)	\$ 2,300,984	\$ 0.76	\$ 12,848,591	\$ 4.24
3	Industrial	4,663	\$ 427,302	\$ (2,264)	\$ 425,038	\$ 7.60	\$ (761,939)	\$ (13.62)
4		<b>2,049,270</b>	<b>\$ 5,106,283</b>	<b>\$ (58,581)</b>	<b>\$ 5,047,702</b>		<b>\$ 33,471,889</b>	
			Williams Ex. No. 2 Pg 3 Line No. 4				Williams Ex. No. 3 Pg 3 Line No. 4	

**Compare total annual REPS charges per account to per-account cost caps:**

Line No.	Customer class	Monthly EMF Rider <sup>(2)</sup>	Monthly REPS Rider <sup>(2)</sup>	Combined Monthly Rider <sup>(2)</sup>	Regulatory Fee Multiplier	Total monthly REPS charge including regulatory fee	Total annual REPS charge including regulatory fee	Annual per account cost cap	Information only: Total annual REPS charge excluding solar rebate cost - for per-account cap comparison only
5	Residential	\$ 0.11	\$ 0.99	\$ 1.10	1.001302	\$ 1.10	\$ 13.20	\$ 27.00	\$ 12.38
6	General	\$ 0.76	\$ 4.24	\$ 5.00	1.001302	\$ 5.01	\$ 60.12	\$ 150.00	\$ 56.11
7	Industrial	\$ 7.60	\$ (13.62)	\$ (6.02)	1.001302	\$ (6.03)	\$ (72.36)	\$ 1,000.00	\$ (64.40)

Notes:

- (1) Projected number of accounts subject to REPS charge during the billing period.
- (2) Per account rate calculations apply to Duke Energy Carolinas NC Retail customers only.
- (3) Credit for receipts for contract amendments, penalties, change-of-control, etc

Customer Class	Total contract receipts - EMF period Jan 2020 - Dec 2020	DEC NC retail percentage of EMF period costs - Williams Exhibit No. 2, Pg 1	Allocation to customer class - Williams Exhibit No. 2, Pg 2	DEC NC retail - Receipts for contract amendments, penalties, change-of-control, etc.
Residential			54.70%	\$ (32,043)
General			41.44%	\$ (24,274)
Industrial			3.86%	\$ (2,264)
Total contract payments received	\$ (62,500)	\$ (58,581)	100.00%	\$ (58,581)
	(a)		93.73%	

REPS (NC)  
RENEWABLE ENERGY PORTFOLIO STANDARD RIDER

APPLICABILITY (North Carolina Only)

Service supplied to the Company's retail customer agreements is subject to a REPS Monthly Charge. This charge is adjusted annually, pursuant to North Carolina General Statute 62-133.8 and North Carolina Utilities Commission Rule R8-67 as ordered by the North Carolina Utilities Commission. This Rider is not applicable to agreements for the Company's outdoor lighting rate schedules, OL, PL, NL, nor for services defined as auxiliary to another agreement. An auxiliary service is defined as a non-demand metered, nonresidential service, provided on Schedule SGS, at the same premises, with the same service address, and with the same account name as an agreement for which a monthly REPS charge has been applied.

APPROVED REPS MONTHLY CHARGE

The Commission has ordered that a REPS Monthly Charge, which includes an Experience Modification Factor (EMF), be included in the customers' bills as follows:

RESIDENTIAL SERVICE AGREEMENTS

REPS Monthly Charge		0.99	\$/month
Experience Modification Factor	+	0.11	\$/month
Net REPS Monthly Charge		1.10	\$/month
Regulatory Fee Multiplier	×	1.001302	
Total REPS Monthly Charge per agreement per month		1.10	\$/month

GENERAL SERVICE AGREEMENTS

REPS Monthly Charge		4.24	\$/month
Experience Modification Factor	+	0.76	\$/month
Net REPS Monthly Charge		5.00	\$/month
Regulatory Fee Multiplier	×	1.001302	
Total REPS Monthly Charge per agreement per month		5.01	\$/month

INDUSTRIAL SERVICE AGREEMENTS

REPS Monthly Charge		(13.62)	\$/month
Experience Modification Factor	+	7.60	\$/month
Net REPS Monthly Charge		(6.02)	\$/month
Regulatory Fee Multiplier	×	1.001302	
Total REPS Monthly Charge per agreement per month		(6.03)	\$/month

USE OF RIDER

The REPS Billing Factor is not included in the Company's current rate schedules and will apply as a separate charge to each agreement for service covered under this Rider as described above, unless the service qualifies for a waiver of the REPS Billing Factor for an auxiliary service. An auxiliary service is a non-demand metered, nonresidential service on Schedule SGS for the same customer at the same service location.

To qualify for an auxiliary service, not subject to this Rider, the Customer must notify the Company, and the Company must verify that such agreement is considered an auxiliary service, after which the REPS Billing Factor will not be applied to qualifying auxiliary service agreements. The Customer shall also be responsible for notifying the Company of any change in service that would no longer qualify the service as auxiliary.

**DUKE ENERGY CAROLINAS, LLC**  
**Docket No. E-7, Sub 1246**

**Williams Exhibit No. 6**  
**Page 1 of 2**  
**February 23, 2021**

**Worksheet detailing energy efficiency certificate ("EEC") inventory**

**EEC inventory reconciliation - as of December 31, 2020**

	EECs <sup>(1)</sup>	Reference
EECs carried forward at Dec 31, 2014	4,305,309	2014 Compliance Report - Docket No. E-7, Sub 1074
EECs generated for 2015 per Company's annual update	2,310,608	E-7, Sub 1106, Williams Exhibit No. 6
Less: EECs used for compliance for 2015	<u>855,980</u>	2015 Compliance Report - Docket No. E-7, Sub 1106
EECs carried forward at Dec 31, 2015	5,759,937	2015 Compliance Report - Docket No. E-7, Sub 1106
EECs generated for 2016 per Company's annual update	2,152,597	E-7, Sub 1131, Williams Exhibit No. 6
Less: EECs used for compliance for 2016	<u>866,492</u>	2016 Compliance Report - Docket No. E-7, Sub 1131
EECs carried forward at Dec 31, 2016	7,046,042	2016 Compliance Report - Docket No. E-7, Sub 1131
EECs generated for 2017 per Company's annual update	2,531,010	E-7, Sub 1162, Williams Exhibit No. 6
Less: EECs used for compliance for 2017	<u>863,135</u>	2017 Compliance Report - Docket No. E-7, Sub 1162
EECs carried forward at Dec 31, 2017	8,713,917	2017 Compliance Report - Docket No. E-7, Sub 1162
EECs generated for 2018 per Company's annual update	3,060,454	E-7, Sub 1191, Williams Exhibit No. 6
Less: EECs used for compliance for 2018	<u>1,400,307</u>	2018 Compliance Report - Docket No. E-7, Sub 1191
EECs carried forward at Dec 31, 2018	10,374,064	2018 Compliance Report - Docket No. E-7, Sub 1191
EECs generated for 2019 per Company's annual update	3,044,778	E-7, Sub 1229, Williams Exhibit No. 6
Less: EECs used for compliance for 2019	<u>1,487,017</u>	2019 Compliance Report - Docket No. E-7, Sub 1229
EECs carried forward at Dec 31, 2019	11,931,825	2019 Compliance Report - Docket No. E-7, Sub 1229
EECs generated for 2020 per Company's annual update	4,244,798	Company workpapers <sup>(g)</sup>
Less: EECs used for compliance for 2020	<u>1,466,063</u>	2020 Compliance Report - Docket No. E-7, Sub 1246
EECs carried forward at Dec 31, 2020	<u><u>14,710,560</u></u>	2020 Compliance Report - Docket No. E-7, Sub 1246

**Summary workpapers - EECs generated**

Update for 2020 EECs generated - as of year-end 2020:	Program year						Total	
	2009 - 2014	2015	2016	2017	2018	2019		2020
Current view at year-end 2020	5,245,266	2,195,026	2,292,223	2,612,972	3,054,509	3,506,921	3,772,509	22,679,426
Previously reported current view at year-end 2019	5,245,266	2,195,026	2,292,223	2,612,972	2,821,394	3,267,747		18,434,628
Total adjustments to previously reported results	0	0	0	0	233,115	239,174		
<b>Updated EECs created and available for 2020</b>	(a)	(b)	(c)	(d)	(e)	(f)		<b>4,244,798</b>

*detail of adjustments at page 2 of 2*

**Footnote:**

<sup>(1)</sup> Calculated EECs originate from details contained in the databases supporting Duke Energy Carolinas' energy efficiency filings, and are specific to North Carolina, calculated at the generation station level, are inclusive of free-ridership EE savings, and assume savings initiated in a program year continue only for the duration of the life of the applicable measure.

<sup>(g)</sup>

**Detail for adjustments to previously reported results through program year 2019:**

Adjustment type	Program	Program year						Total
		2014	2015	2016	2017	2018	2019	
° Evaluation, Measurement, & Verification ("EM&V"):								
	Income Qualified Energy Efficiency and Weatherization Assistance (IQEE & WA)	-	-	-	-	(30)	(195)	(225)
	Energy Efficient Appliances and Devices (EEAD)	-	-	-	-	-	(37)	(37)
	Multi-Family Energy Efficiency (MFAM)	-	-	-	-	(52)	(635)	(687)
	Non Residential Smart Saver Energy Efficient HVAC Products (NRHVAC)	-	-	-	-	-	(7)	(7)
	Non Residential Smart Saver Energy Efficient Pumps and Drives Products (NRP&M)	-	-	-	-	-	(1)	(1)
	Non Residential Smart Saver Energy Efficient Lighting Products (NRLTG)	-	-	-	-	-	(478)	(478)
	Non Residential Smart Saver Energy Efficient Food Service Products (NRFS)	-	-	-	-	-	(87)	(87)
° Total EM&V adjustments		-	-	-	-	<b>(82)</b>	<b>(1,440)</b>	<b>(1,522)</b>
° Participation updates/adjustments								
	Home Energy Comparison Report (HECR)	-	-	-	-	233,197	240,614	473,811
° Total participation adjustments		-	-	-	-	<b>233,197</b>	<b>240,614</b>	<b>473,811</b>
<b>Total adjustments to prior program years incorporated into 2020 current view - EE savings for REPS</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>233,115</b>	<b>239,174</b>	<b>472,289</b>
		(a)	(b)	(c)	(d)	(e)	(f)	

EM&V reports applicable to results reported above - filed as exhibits to the testimony of DEC witness Robert Evans in DEC's energy efficiency **Docket No. E-7, Sub 1249**.

EM&V Reports	Report Finalization Date	Evaluation Type
Save Energy and Water Kits 2018 – 2019 Evaluation Report	4/23/2020	Process and Impact
EM&V Report for the Duke Energy Multifamily Energy Efficiency Program	4/16/2020	Process and Impact
Duke Energy Carolinas and Duke Energy Progress Non-Residential Smart Saver Prescriptive Program Evaluation Report	7/16/2020	Process and Impact

REDACTED VERSION

Summary cost recovery worksheet - DEC utility-owned solar project

**Project:** Woodleaf  
 Project size: 6 MWac  
 CPCN docket No. E-7, Sub 1101  
 CPCN filing date: March 3, 2016  
 NCUC Order date: June 16, 2016

**Original CPCN estimate:**

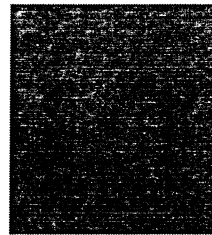
Total capital expenditure (\$000s)  
 Total annual levelized revenue requirement (\$000s)

**Updated tax benefit monetization estimates:**

Total capital expenditure (\$000s)  
 Total annual levelized revenue requirement (\$000s)

**Updated tax benefit monetization and capital expenditure estimates:**

Total capital expenditure (\$000s)  
 Total annual levelized revenue requirement (\$000s)



**Levelized cost recovery summary - annual:**

<b>Woodleaf</b>	\$/MWH	Percent to total	Annual Levelized cost (\$000s)
Total cost - original estimate			
Avoided cost			
<b>Incremental cost</b>			
<b>Cap for REPS cost recovery</b>			
Total cost - updated tax benefit monetization estimates only			
Avoided cost			
<b>Incremental cost</b>			
<b>Cap for REPS cost recovery</b>			
Total cost - updated tax benefit monetization estimates and actual capital expenditures			
Avoided cost			
<b>Incremental cost</b>			
<b>Cap for REPS cost recovery</b>			