(c)(2)(ii)(d)	This Program is available to owners of individually-metered residences including multi-family, single family detached, duplexes, townhomes, condominiums, and mobile homes who are served on a residential service schedule. Depending upon market conditions, measure availability for customers residing in other residential structures (i.e., duplexes, condominiums, and mobile homes) may vary. Examples of Communication Materials and Related Cost		
(c)(2)(II)(a)	Cost associated with communications materials for this Program through various communication channels, is approximately \$1,185,000 and is embedded in the cost displayed in Attachment B, line 9.		
	This Program may be promoted through various marketing channels that may include, but are not limited to: • Trade Allies • Direct Mail/Email		
(c)(2)(ii)(d) (continued)	 TV/Radio Paid Search/Digital Media Community Events 		
	Bill Inserts Retailer Point-of-Sale		
(c)(2)(ii)(e)	Estimated Number of Participants		
	The term participant as it appears in Attachment A does not represent the term customer. Each customer may have multiple measures installed. Participation will be tracked by each installed measure and is represented in Attachment A. Estimated DEP Participation - see Attachment A, lines 3 - 12.		
(c)(2)(ii)(f)	Impact that each measure or program is expected to have on the electric public utility or electric membership corporation, its customer body as a whole, and its participating North Carolina customers;		
	Estimated DEP Program Impact - see Attachment A, lines 13 - 54.		
(c)(2)(ii)(g)	Any other information the electric public utility or electric membership corporation believes is relevant to the application, including information on competition known by the electric public utility or the electric membership corporation.		
	Not applicable.		
(c)(2)(iii)(a)	Proposed Marketing Plan Including Market Barriers and how the Electric Public Utility Plans to Address Them.		
	The Company will market the Program through various marketing channels that may include, but are not limited to: • Trade Allies		
	Direct Mail/Email TV/Radio		
	Paid Search/Digital Media Community Events		
	 Bill Inserts Retailer Point-of-Sale 		
	Note: The Company may not be aware of all market barriers or understand all the methods that can be used to address these market barriers.		
	Potential market barriers include, but are not limited to:		
	MARKET BARRIERS ACTIONS TO ADDRESS		
	Communication of program protocols to trade allies. The Company will clearly define and communicate Program requirements and measure protocols to potential contractors prior to participation in the Program. The Company will administer training specific to the Program and measures listed, requiring successful completion and a signed agreement evidencing the trade contractors' understanding of and their agreement to perform		
	the services in compliance with Program specifications.		

	Customer understanding of the Company's motivation in promoting energy	registering the meet the perfor delivery chann The Company	anticipates there may be initial recruitment barriers required number of Trade Allies who can consistently mance metrics required to participate in the referral's el. will communicate how this Program benefits not only ut also the environment.	
	efficiency. Customer adoption of referral's delivery channel.	bring high leve reputable high to perform h Communicatio	will need to market in the appropriate channels to s of awareness to customers that the Program offers equality contractors who are selected and monitored HVAC and home performance-based services in with the customer on why and how these services of them will encourage adoption.	
(c)(2)(iii)(a) (continued)				
(c)(2)(iii)(b)	Total Market Potential and E	stimated Marke	t Growth throughout the Duration of the Program;	
		oximately 837,05	ble customers based on eligibility requirements defined in 2 residential customers that meet the criteria for this Progr Attachment A. lines 3 - 12	
(c)(2)(iii)(c)			d Reduction by Unit Metric and in the Aggregate by	/oar
(6)(2)(111)(6)			Reduction – see Attachment A, lines 13 - 22 and 28 - 29	
(c)(2)(iii)(d)			te Unit Metric and in the Aggregate by Year A, lines 23 - 27 and lines 30 - 34.	
(c)(2)(iii)(e)	Estimated Lost Energy Sales Lost Energy Sales - see Attack		te Unit metric and in the Aggregate by Year 5 - 44.	
(c)(2)(iii)(f)	Estimated Load Shape Impacts See responses to (c)(2)(iii)(c) and (c)(c)(iii)(d).			
(c)(2)(iv)(a)	Estimated Total and Per Unit Cost and Benefit of the Measure / Program and the Planned Accounting Treatment for Those Costs and Benefits			
	Costs associated with this Prog a return on any outstanding de		ect to deferral and amortization. DEP is also eligible to reco	over
	Total estimated cost by categorated benefit – see A Total estimated per unit cost be	Attachment B lin	e 12.	
			nt value of cost and benefits over the life of the measure. ion of Program cost offset by projected referrals fees.	The
(c)(2)(iv)(b)				tion
				n in d to t the
	MEASURE		MAXIMUM INCENTIVE AMOUNT	

	Heating Ventilation and Air Conditioning (HVAC) equipment, service and controls	Up to \$ 500		
	Smart Thermostat	\$50		
	Attic Insulation and Air Sealing	\$250		
()(0)(1)(1)	Duct Sealing	\$100		
(c)(2)(iv)(b) (continued)	Variable Speed Pool Pump	\$300		
	Heat Pump Water Heater	\$350		
(c)(2)(iv)(c)	Service Limitations or Conditions Planned the Measure / Program	to be Imposed on Customers Who do not Participate in		
	None			
(c)(2)(v)	include, at a minimum, an analysis of the T Cost Test, and the Ratepayer Impact Measu the Impact Estimates, as well as, if Appro Interim Leading to the Final Model Specific			
	The source of the impacts for the existing home performance measures included in the Program is the Residential Smart \$aver Program Evaluation, Measurement and Verification ("EM&V") report completed by Nexant on March 15, 2019.			
	Tierra Consulting is the source of the impacts for the heat pump, central air conditioner measures.			
(c)(2)(vi)	See Attachment B, line 14 for cost-effectiveness test scores. Commission Guidelines Regarding Incentive Programs (provide the information necessar comply with the Commission's Revised Guidelines for Resolution of Issues Regarding Incentive Programs, issued by Commission Order on March 27, 1996, in Docket No. M-100, Sub 124, set of an Appendix to Chapter 8 of these rules)			
	The Program does not provide any inducement or incentive affecting a residential customer's decision to install or adopt natural gas or electric service.			
(c)(2)(vii)				
	Energy and capacity reductions from this Program will be included for planning purposes in future integrated resource plans.			
(c)(2)(viii)	Other (any other information the electric public utility or electric membership corporation believes relevant to the application, including information on competition known by the electric public utility or the electric membership corporation)			
A 1 11/2	Not applicable.			
Additional Filing		Function to be becomed in Adouting and builting		
(c)(3)(i)(a)		Expected to be Incurred in Adopting and Implementing a covery Through the Annual Rider Under G.S. 62-133.9		
(c)(3)(i)(b)	Estimated total costs to be avoided by the unit metric and in the aggregate by year	measure by appropriate capacity, energy and measure		
	See Attachment A, lines 45 - 54.			

(c)(3)(i)(c)	Estimated participation incentives by appropriate capacity, energy, and measure unit metric and in the aggregate by year.
	Incentive per cumulative kW - see Attachment E, lines 21 - 25.
	Incentive per cumulative kWh - see Attachment F, lines 16 - 20.
	Incentive per participant - see Attachment D, lines 11 - 15.
(c)(3)(i)(d)	How the electric public utility proposes to allocate the costs and benefits of the measure among the customer classes and jurisdictions it serves.
	The program costs for EE programs targeted at North Carolina and South Carolina retail residential customers are allocated to North Carolina retail jurisdiction based on the ratio of North Carolina retail kWh
	sales to total retail kWh sales, then recovered only from North Carolina residential customers.
(c)(3)(i)(d) (continued)	
(c)(3)(i)(e)	The capitalization period to allow the utility to recover all costs or those portions of the costs associated with a new program or measure to the extent that those costs are intended to produce future benefits as provided in G.S. 62-133.9(d)(1).
	No costs from this Program will be capitalized.
(c)(3)(i)(f)	The electric public utility shall also include the estimated and known costs of measurement and verification activities pursuant to the Measurement and Verification Reporting Plan described in paragraph (ii).
(-)(0)(::)(-)	Total portfolio evaluation costs are estimated to be 5 percent of total Program costs.
(c)(3)(ii)(a)	Measurement and Verification Reporting Plan for New Demand-Side Management and Energy Efficiency Measures: Describe the industry-accepted methods to be used to evaluate, measure, verify, and validate the energy and peak demand savings estimated in (2)(iii)c and d above.
	EM&V actions will provide an independent, third-party report of energy savings attributable to the Program including an impact analysis and process evaluation.
	The impact analysis will review deemed savings assumptions and verify equipment installations. For Heating Ventilation and Air Conditioning (HVAC) equipment, the evaluation methodology may consist of a metering study of a statistically valid sample of CAC and ASHP units that will use metering devices. The metering devices will track electrical current (amperage) over a period of several months to provide insight into when the HVAC units are in operation. The interval measurements of electrical current will be combined with voltage and power factor spot measurements to estimate the power draw over time. When combined with local weather data the metering study will define the relationship between HVAC consumption and ambient temperature.
	Demand savings may be calculated using a metered coincidence factor aligned with DEC-DEP's peak demand periods. If metering data is unavailable, coincident factors will be estimated using the EFLH regressions to approximate system operation given typical weather conditions during peak demand windows. Installation of devices for on-going data collection for a minimum of four weeks including direct amperage measurements for all HVAC compressors under field conditions.
	The baseline condition may be determined if the existing equipment is being replaced early and still operational or whether the equipment is being replaced upon failure. This data may be determined through participant surveys. If the existing equipment is being replaced early, the baseline will be the efficiency of the existing unit for the remaining effective useful life of the measure. Should the age of the early replacement equipment be greater than eighteen years, the prevailing federal efficiency standard will apply. If the existing equipment is replaced upon failure, the baseline will be the prevailing federal efficiency standard.
	In addition, the evaluator will select engineering-based estimation of energy and demand savings to determine EE impacts for other measures. A statistically representative sample of participants will be selected for the analysis.
	The process evaluation will include participant surveys, along with vendor satisfaction surveys or interviews, to estimate net-to-gross and uncover issues that might impact customer satisfaction or Program effectiveness. A statistically representative sample of participants will be selected for the process analysis.

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	The tentative schedule for the evaluation associated with this application reflects a final report in the Third Quarter of 2024.
	The Company intends to follow industry-accepted methodologies for all measurement and verification activities. This evaluation plan is consistent with IPMVP Options A, C, and D.
(c)(3)(ii)(b)	Measurement and Verification Reporting Plan for New Demand-Side Management and Energy Efficiency Measures: Provide a schedule for reporting the savings to the Commission;
	The Company will report savings associated with this Program in its annual DSM/EE cost recovery proceedings.
(c)(3)(ii)(c)	Measurement and Verification Reporting Plan for New Demand-Side Management and Energy Efficiency Measures: describe the methodologies used to produce the impact estimates, as well as, if appropriate, the methodologies it considered and rejected in the interim leading to final model specification; and
	See (c)(2)(v).
(c)(3)(ii)(d)	Measurement and Verification Reporting Plan for New Demand-Side Management and Energy Efficiency Measures: Identify any third party and include all of the costs of that third party, if the electric public utility plans to utilize an independent third party for purposes of measurement and verification
	The Company intends to use a third-party evaluator. See section (c)(3)(i)(f) for cost.
(c)(3)(iii)	Cost Recovery Mechanism- Describe the Proposed Method of Cost Recovery From its Customers
,,,,,	The Company seeks to recover Program costs, net lost revenues, and a utility incentive pursuant to the cost recovery mechanism approved by the Commission in Docket E-2, Sub 931 on October 20, 2020.
(c)(3)(iv)	Tariffs or Rates- Provide Proposed Tariffs or Modifications to Existing Tariffs That Will be Required to Implement Each Measure / Program The tariff for this Program is included as Attachment G.
(0)(2)(y)	Utility Incentives- Indicate Whether it Will Seek to Recover Any Utility Incentives, Including, if
(c)(3)(v)	Appropriate, Net Lost Revenues, in Addition to its Costs
(c)(3)(v) (continued)	The Company seeks to recover Program costs, net lost revenues, and a utility incentive pursuant to the cost recovery mechanism approved by the Commission in Docket E-2, Sub 931 on October 20, 2020.

Attachment A

Participation

	Participation			
	Smart \$aver® Residential			
1	Measure Life (Average)	18		
2	Free Rider % (Average)	28.9%		
3	Incremental Participants Year 1	10,496		
4	Incremental Participants Year 2	10,602		
5	Incremental Participants Year 3	10,602		
6	Incremental Participants Year 4	10,602		
7	Incremental Participants Year 5	10,602		
8	Cumulative Participation Year 1	10,496		
9	Cumulative Participation Year 2	21,098		
10	Cumulative Participation Year 3	31,700		
11	Cumulative Participation Year 4	42,302		
12	Cumulative Participation Year 5	52,903		
13	Cumulative Summer Coincident kW w/ losses (net free) Year 1	1,203		
14	Cumulative Summer Coincident kW w/ losses (net free) Year 2	2,418		
15	Cumulative Summer Coincident kW w/ losses (net free) Year 3	3,634		
16	Cumulative Summer Coincident kW w/ losses (net free) Year 4	4,849		
17	Cumulative Summer Coincident kW w/ losses (net free) Year 5	6,064		
18	Cumulative Winter Coincident kW w/ losses (net free) Year 1	822		
19	Cumulative Winter Coincident kW w/ losses (net free) Year 2	1,653		
20	Cumulative Winter Coincident kW w/ losses (net free) Year 3	2,483		
21	Cumulative Winter Coincident kW w/ losses (net free) Year 4	3,314		
22	Cumulative Winter Coincident kW w/ losses (net free) Year 5	4,144		
23	Cumulative kWh w/ losses (net free) Year 1	4,844,208		
24	Cumulative kWh w/ losses (net free) Year 2	9,736,530		
25	Cumulative kWh w/ losses (net free) Year 3	14,628,852		
26	Cumulative kWh w/ losses (net free) Year 4	19,521,175		
27	Cumulative kWh w/ losses (net free) Year 5	24,413,497		
28	Per Participant Weighted Average Coincident Saved Winter kW w/ losses	0.1102		
29	Per Participant Weighted Average Coincident Saved Willter kW w/ losses	0.1612		
30	Per Participant Average Annual kWh w/ losses (net free) Year 1	462		
31	Per Participant Average Annual kWh w/ losses (net free) Year 2	461		
32	Per Participant Average Annual kWh w/ losses (net free) Year 3	461		
33	Per Participant Average Annual kWh w/ losses (net free) Year 4	461		
34	Per Participant Average Annual kWh w/ losses (net free) Year 5	461		
35	Cumulative Lost Revenue (net free) Year 1	\$518,548		
	Cumulative Lost Revenue (net free) Year 2			
36 37	Cumulative Lost Revenue (net free) Year 3	\$1,022,081 \$1,547,636		
	· · ·			
38	Cumulative Lost Revenue (net free) Year 4 Cumulative Lost Revenue (net free) Year 5	\$2,095,877 \$2,668,653		
39 40	Average Lost Revenue (net free) Year 5 Average Lost Revenue per Participant (net free) Year 1	. , ,		
40		\$49.40 \$48.44		
	Average Lost Revenue per Participant (net free) Year 2 Average Lost Revenue per Participant (net free) Year 3	\$48.44		
42		\$48.82 \$40.55		
43	Average Lost Revenue per Participant (net free) Year 4	\$49.55 \$50.44		
44	Average Lost Revenue per Participant (net free) Year 5	\$50.44		
45	Total Avoided Costs/MW saved Year 1	\$169,667 \$169,204		
46	Total Avoided Costs/MW saved Year 2	\$168,204 \$171,143		
47	Total Avoided Costs/MW saved Year 3	\$171,143 \$175,487		
48	Total Avoided Costs/MW saved Year 4	\$175,487		
49	Total Avoided Costs/MW saved Year 5	\$180,391		
50	Total Avoided Costs/MWh saved Year 1	\$30		
51	Total Avoided Costs/MWh saved Year 2	\$35		
52	Total Avoided Costs/MWh saved Year 3	\$35		
53	Total Avoided Costs/MWh saved Year 4	\$34		
54	Total Avoided Costs/MWh saved Year 5	\$35		

Attachment B

Cost-Effectiveness Evaluation

Smart \$aver® Residential					Doutioinout
		UCT	TRC	RIM	Participant
1	Avoided T&D Electric	\$8,601,182	\$8,601,182	\$8,601,182	\$
2	Cost-Based Avoided Elec Production	\$12,045,307	\$12,045,307	\$12,045,307	\$
3	Cost-Based Avoided Elec Capacity	\$3,310,900	\$3,310,900	\$3,310,900	\$
4	Participant Elec Bill Savings (gross)	\$0	\$0	\$0	\$41,262,29
5	Net Lost Revenue Net Fuel	\$0	\$0	\$20,535,263	\$
6	Administration Costs	\$283,800	\$283,800	\$283,800	9
7	Implementation Costs	\$678,911	\$678,911	\$678,911	Ş
8	Incentives	\$13,545,449	\$0	\$13,545,449	\$13,545,44
9	Other Utility Costs	\$3,789,729	\$3,789,729	\$3,789,729	Ç
10	Participant Costs (gross)	\$0	\$0	\$0	\$33,272,32
11	Participant Costs (net)	\$0	\$23,656,620	\$0	Ç
12	Total Benefits	\$23,957,389	\$23,957,389	\$23,957,389	\$54,807,74
13	Total Costs	\$18,297,889	\$28,409,060	\$38,833,152	\$33,272,32
14	Benefit/Cost Ratios	1.31	0.84	0.62	1.0

Attachment CProgram Costs by Year

	Smart \$aver® Residential	
1	Incremental Participants Year 1	10,496
2	Incremental Participants Year 2	10,602
3	Incremental Participants Year 3	10,602
4	Incremental Participants Year 4	10,602
5	Incremental Participants Year 5	10,602
6	Total Participant Costs Year 1	\$7,458,636
7	Total Participant Costs Year 2	\$7,533,915
8	Total Participant Costs Year 3	\$7,533,915
9	Total Participant Costs Year 4	\$7,533,915
10	Total Participant Costs Year 5	\$7,533,915
11	Administration Costs Year 1	\$63,621
12	Administration Costs Year 2	\$64,261
13	Administration Costs Year 3	\$64,261
14	Administration Costs Year 4	\$64,261
15	Administration Costs Year 5	\$64,261
16	Implementation Costs Year 1	\$152,192
17	Implementation Costs Year 2	\$153,727
18	Implementation Costs Year 3	\$153,727
19	Implementation Costs Year 4	\$153,727
20	Implementation Costs Year 5	\$153,727
21	Total Incentives Year 1	\$3,036,600
22	Total Incentives Year 2	\$3,067,083
23	Total Incentives Year 3	\$3,067,083
24	Total Incentives Year 4	\$3,067,083
25	Total Incentives Year 5	\$3,067,083
26	Other Utility Costs Year 1	\$849,546
27	Other Utility Costs Year 2	\$858,113
28	Other Utility Costs Year 3	\$858,113
29	Other Utility Costs Year 4	\$858,113
30	Other Utility Costs Year 5	\$858,113
31	Total Utility Costs Year 1	\$4,101,959
32	Total Utility Costs Year 2	\$4,143,183
33	Total Utility Costs Year 3	\$4,143,183
34	Total Utility Costs Year 4	\$4,143,183
35	Total Utility Costs Year 5	\$4,143,183

Attachment D Program Costs per Participant

	Smart \$aver® Residential	
1	Average Per Participant Administration Costs Year 1	\$6.06
2	Average Per Participant Administration Costs Year 2	\$6.06
3	Average Per Participant Administration Costs Year 3	\$6.06
4	Average Per Participant Administration Costs Year 4	\$6.06
5	Average Per Participant Administration Costs Year 5	\$6.06
6	Average Per Participant Implementation Costs Year 1	\$14.50
7	Average Per Participant Implementation Costs Year 2	\$14.50
8	Average Per Participant Implementation Costs Year 3	\$14.50
9	Average Per Participant Implementation Costs Year 4	\$14.50
10	Average Per Participant Implementation Costs Year 5	\$14.50
11	Average Per Participant Incentives Year 1	\$289.31
12	Average Per Participant Incentives Year 2	\$289.30
13	Average Per Participant Incentives Year 3	\$289.30
14	Average Per Participant Incentives Year 4	\$289.30
15	Average Per Participant Incentives Year 5	\$289.30
16	Average Per Participant Other Utility Costs Year 1	\$80.94
17	Average Per Participant Other Utility Costs Year 2	\$80.94
18	Average Per Participant Other Utility Costs Year 3	\$80.94
19	Average Per Participant Other Utility Costs Year 4	\$80.94
20	Average Per Participant Other Utility Costs Year 5	\$80.94
21	Average Per Participant Total Utility Costs Year 1	\$390.81
22	Average Per Participant Total Utility Costs Year 2	\$390.80
23	Average Per Participant Total Utility Costs Year 3	\$390.80
24	Average Per Participant Total Utility Costs Year 4	\$390.80
25	Average Per Participant Total Utility Costs Year 5	\$390.80

Attachment E Program Costs per kW

Smart \$aver® Residential		
1	Cumulative Winter Coincident kW w/ losses (net free) Year 1	822
2	Cumulative Winter Coincident kW w/ losses (net free) Year 2	1,653
3	Cumulative Winter Coincident kW w/ losses (net free) Year 3	2,483
4	Cumulative Winter Coincident kW w/ losses (net free) Year 4	3,314
5	Cumulative Winter Coincident kW w/ losses (net free) Year 5	4,144
6	Cumulative Summer Coincident kW w/ losses (net free) Year 1	1,203
7	Cumulative Summer Coincident kW w/ losses (net free) Year 2	2,418
8	Cumulative Summer Coincident kW w/ losses (net free) Year 3	3,634
9	Cumulative Summer Coincident kW w/ losses (net free) Year 4	4,849
10	Cumulative Summer Coincident kW w/ losses (net free) Year 5	6,064
11	Administration Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 1	\$53
12	Administration Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 2	\$27
13	Administration Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 3	\$18
14	Administration Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 4	\$13
15	Administration Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 5	\$11
16	Implementation Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 1	\$127
17	Implementation Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 2	\$64
18	Implementation Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 3	\$42
19	Implementation Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 4	\$32
20	Implementation Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 5	\$25 \$2,524
21 22	Incentives / Cumulative Summer Coincident kW w/ losses (net free) Year 1 Incentives / Cumulative Summer Coincident kW w/ losses (net free) Year 2	\$2,524 \$1,268
23	Incentives / Cumulative Summer Coincident kW w/ losses (net free) Year 3	\$844
24	Incentives / Cumulative Summer Coincident kW w/ losses (net free) Year 4	\$633
25	Incentives / Cumulative Summer Coincident kW w/ losses (net free) Year 5	\$506
26	Other Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 1	\$706
27	Other Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 2	\$355
28	Other Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 3	\$236
29	Other Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 4	\$177
30	Other Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 5	\$142
31	Total Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 1	\$3,410
32	Total Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 2	\$1,713
33	Total Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 3	\$1,140
34	Total Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 4	\$854
35	Total Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 5	\$683
36	Administration Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 1	\$77
37	Administration Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 2	\$39
38	Administration Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 3	\$26
39	Administration Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 4 Administration Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 5	\$19 \$16
40 41	Implementation Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 1	\$16 \$185
42	Implementation Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 2	\$93
43	Implementation Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 3	\$62
44	Implementation Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 4	\$46
45	Implementation Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 5	\$37
46	Incentives / Cumulative Winter Coincident kW w/ losses (net free) Year 1	\$3,692
47	Incentives / Cumulative Winter Coincident kW w/ losses (net free) Year 2	\$1,856
48	Incentives / Cumulative Winter Coincident kW w/ losses (net free) Year 3	\$1,235
49	Incentives / Cumulative Winter Coincident kW w/ losses (net free) Year 4	\$926
50	Incentives / Cumulative Winter Coincident kW w/ losses (net free) Year 5	\$740
51	Other Utility Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 1	\$1,033
52	Other Utility Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 2	\$519
53	Other Utility Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 3	\$346
54	Other Utility Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 4	\$259
55	Other Utility Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 5	\$207
56 57	Total Utility Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 1 Total Utility Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 2	\$4,987 \$2,507
58	Total Utility Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 3	\$2,50 <i>7</i> \$1,668
	Total Utility Costs / Cumulative Winter Coincident kW w/ losses (net free) Year 4	\$1,000
59	Troial Unity Cosis / Cumulative Winter Coincident KW W/ incoes met tree Year #	יורילונה

Attachment F Program Costs per kWh

	Smart \$aver® Residential	
1	Cumulative kWh w/ losses (net free) Year 1	4,844,208
2	Cumulative kWh w/ losses (net free) Year 2	9,736,530
3	Cumulative kWh w/ losses (net free) Year 3	14,628,852
4	Cumulative kWh w/ losses (net free) Year 4	19,521,175
5	Cumulative kWh w/ losses (net free) Year 5	24,413,497
6	Administration Costs / Cumulative kWh w/ losses (net free) Year 1	\$0.013
7	Administration Costs / Cumulative kWh w/ losses (net free) Year 2	\$0.007
8	Administration Costs / Cumulative kWh w/ losses (net free) Year 3	\$0.004
9	Administration Costs / Cumulative kWh w/ losses (net free) Year 4	\$0.003
10	Administration Costs / Cumulative kWh w/ losses (net free) Year 5	\$0.003
11	Implementation Costs / Cumulative kWh w/ losses (net free) Year 1	\$0.031
12	Implementation Costs / Cumulative kWh w/ losses (net free) Year 2	\$0.016
13	Implementation Costs / Cumulative kWh w/ losses (net free) Year 3	\$0.011
14	Implementation Costs / Cumulative kWh w/ losses (net free) Year 4	\$0.0079
15	Implementation Costs / Cumulative kWh w/ losses (net free) Year 5	\$0.0063
16	Incentives / Cumulative kWh w/ losses (net free) Year 1	\$0.627
17	Incentives / Cumulative kWh w/ losses (net free) Year 2	\$0.315
18	Incentives / Cumulative kWh w/ losses (net free) Year 3	\$0.210
19	Incentives / Cumulative kWh w/ losses (net free) Year 4	\$0.157
20	Incentives / Cumulative kWh w/ losses (net free) Year 5	\$0.126
21	Other Utility Costs / Cumulative kWh w/ losses (net free) Year 1	\$0.175
22	Other Utility Costs / Cumulative kWh w/ losses (net free) Year 2	\$0.088
23	Other Utility Costs / Cumulative kWh w/ losses (net free) Year 3	\$0.059
24	Other Utility Costs / Cumulative kWh w/ losses (net free) Year 4	\$0.044
25	Other Utility Costs / Cumulative kWh w/ losses (net free) Year 5	\$0.035
26	Total Utility Costs / Cumulative kWh w/ losses (net free) Year 1	\$0.847
27	Total Utility Costs / Cumulative kWh w/ losses (net free) Year 2	\$0.426
28	Total Utility Costs / Cumulative kWh w/ losses (net free) Year 3	\$0.283
29	Total Utility Costs / Cumulative kWh w/ losses (net free) Year 4	\$0.212
30	Total Utility Costs / Cumulative kWh w/ losses (net free) Year 5	\$0.170

Attachment G

Tariff

See attached.

RP-2

Duke Energy Progress, LLC (North Carolina Only)

RESIDENTIAL SERVICE – SMART \$AVER® ENERGY EFFICIENCY PROGRAM - RSSEE-3

PURPOSE

The purpose of this program is to encourage the purchase and installation of energy conservation measures designed to increase energy efficiency in new or existing residential dwellings.

PROGRAM

The program is available to owners of individually metered residences including multi-family, single family detached, duplexes, townhomes, condominiums, and mobile homes, who are served on a residential service schedule.

- The types of equipment, products, and services eligible for incentives may include, but are not limited to, the following:
 - Heating Ventilation and Air Conditioning (HVAC) equipment, service, and controls, including smart thermostats
 - o Thermal boundary improvements
 - HVAC duct improvements
 - Water conditioning and/or pumps
 - Other high efficiency equipment, products, and services as determined by the Company on a case by case basis.
- New HVAC equipment must (1) achieve or exceed the minimum Seasonal Energy Efficiency Ratio (SEER), Energy Efficiency Ratio (EER), and/or Heating Seasonal Performance Factor (HSPF) allowed by law and (2) meet all other Duke Energy requirements to achieve designated energy savings.
- The new HVAC system must include a properly matched outdoor unit and inside coil, which must be listed as such by the Air Conditioning, Heating and Refrigeration Institute (AHRI) or any additional certification directory as approved by Duke Energy.
- Qualifying Smart Thermostats (Wi-Fi enabled) must be installed at the time of a qualifying HVAC installation and may be subject to Duke Energy requirements regarding installation, installer, programming, functionality, and square footage of conditioned space.
- Duke Energy will establish performance requirements deemed necessary to ensure achievement of minimum energy savings for other equipment, products, and services offered for incentives. Parameters related to these performance requirements may include, but are not limited to, diagnostic testing, size of conditioned area, building/structure type, energy reduction achievement, installer/installation, and product selection.
- All improvements eligible for payment under this program must be installed based on manufacturer's
 recommendations and the Company's specifications, including installation by a Company-approved
 contractor, unless otherwise noted in program requirements. Detailed requirements are available on the
 Company's website at www.duke-energy.com.
- The Company may vary the incentive by type of equipment and differences in efficiency to induce customers to purchase greater levels of efficiency at the minimum necessary incentive amount. The Company may offer multiple levels of incentives corresponding to varied efficiency levels of equipment or service.

PROGRAM RSSEE-3 Sheet 1 of 2

- The Company reserves the right to adjust the incentive on a periodic basis, as appropriate, to reflect changes to efficiency standards and market conditions.
- The Company reserves the right to limit the availability of incentives by the type of residential structure as required to ensure achievement of energy savings.
- The current amount of the incentive payment for eligible equipment, products, and services will be posted to the Company's website at www.duke-energy.com.
- Incentives may be limited to one of any product, per residence, under all Company Energy Efficiency Programs.
- With Company approval, the owner or customer may designate that the incentive be provided to a third-party.
- To qualify for payment under this program, qualifying improvements must be made on or after January 1, 2023 and the application for payment must be made as noted on the Company's website.
- All energy conservation measures installed shall be subject to inspection by Company for the purposes of program evaluation, measurement, and verification.

PAYMENT

The Company's incentives for individual equipment, products, and services may be offered in a variety of ways, including, but not limited to, point-of-sale discounts, checks, and prepaid card options. Incentive payments shall be determined by the Company in an amount not to exceed 50% of the installed cost difference between standard equipment or service and higher efficiency equipment or service.

COMPANY RETENTION OF PROGRAM BENEFITS

Incentives and other considerations offered under the terms of this Program are understood to be an essential element in the recipient's decision to participate in the Program. Upon payment of these considerations, Company will be entitled to any and all environmental, energy efficiency, and demand reduction benefits and attributes, including all reporting and compliance rights, associated with participation in the Program.

Supersedes Programs RSSEE-1 Effective for service rendered on and after October 1, 2023 NCUC Docket No. E-2.

PROGRAM RSSEE-3 Sheet 2 of 2

RP-2

Duke Energy Progress, LLC (North Carolina Only)

RESIDENTIAL SERVICE – SMART \$AVER® ENERGY EFFICIENCY PROGRAM - RSSEE-3

PURPOSE

The purpose of this program is to encourage the purchase and installation of energy conservation measures designed to increase energy efficiency in new or existing residential dwellings.

PROGRAM

The program is available to owners of individually metered residences including <u>multi-family</u>, single family detached, duplexes, townhomes, condominiums, and mobile homes, who are served on a residential service schedule.

- The types of equipment, products, and services eligible for incentives may include, but are not limited to, the following:
 - O Heating Ventilation and Air Conditioning (HVAC) equipment, service, -and controls, including smart thermostats
 - o Thermal boundary improvements
 - HVAC duct improvements
 - Water conditioning and/or pumps
 - Other high efficiency equipment, products, and services as determined by the Company on a case by case basis.
- New HVAC equipment must (1) achieve or exceed the minimum Seasonal Energy Efficiency Ratio (SEER), Energy Efficiency Ratio (EER), and/or Heating Seasonal Performance Factor (HSPF) allowed by law and (2) meet all other Duke Energy requirements to achieve designated energy savings.
- The new HVAC system must include a properly matched outdoor unit and inside coil, which must be listed as such by the Air Conditioning, Heating and Refrigeration Institute (AHRI) or any additional certification directory as approved by Duke Energy.
- Qualifying Smart Thermostats (Wi-Fi enabled) must be installed at the time of a qualifying HVAC installation and may be subject to Duke Energy requirements regarding installation, installer, programming, functionality, and square footage of conditioned space.
- Duke Energy will establish performance requirements deemed necessary to ensure achievement of minimum energy savings for other equipment, products, and services offered for incentives. Parameters related to these performance requirements may include, but are not limited to, diagnostic testing, size of conditioned area, building/structure type, energy reduction achievement, installer/installation, and product selection.
- All improvements eligible for payment under this program must be installed based on manufacturer's recommendations and the Company's specifications, including installation by a Company-approved contractor, unless otherwise noted in program requirements. Detailed requirements are available on the Company's website at www.duke-energy.com.
- The Company may vary the incentive by type of equipment and differences in efficiency to induce customers to purchase greater levels of efficiency at the minimum necessary incentive amount. The Company may offer multiple levels of incentives corresponding to varied efficiency levels of equipment or service.

PROGRAM RSSEE-3 Sheet 1 of 3

- The Company reserves the right to adjust the incentive on a periodic basis, as appropriate, to reflect changes to efficiency standards and market conditions.
- The Company reserves the right to limit the availability of incentives by the type of-residential structure as required to ensure achievement of energy savings.
- The current amount of the incentive payment for eligible equipment, products, and services will be posted to the Company's website at www.duke-energy.com.
- Incentives may be limited to one of any product, per residence, under all Company Energy Efficiency Programs.
- With Company approval, the owner or customer may designate that <u>the</u> incentive be provided to a third-party.
- To qualify for payment under this program, qualifying improvements must be made on or after January 1, 202319 and the application for payment must be made as noted on the Company's website.
- All energy conservation measures installed shall be subject to inspection by Company for the purposes of program evaluation, measurement, and verification.

PAYMENT

The Company's incentives for individual equipment, products, and services may be offered in a variety of ways, including, but not limited to, point-of-sale discounts, checks, and prepaid eredit card options. <u>Incentive payments shall be determined by the Company in an amount not to exceed 50% of the installed cost difference between standard equipment or service and higher efficiency equipment or service.</u>

COMPANY RETENTION OF PROGRAM BENEFITS

Incentives and other considerations offered under the terms of this Program are understood to be an essential element in the recipient's decision to participate in the Program. Upon payment of these considerations, Company will be entitled to any and all environmental, energy efficiency, and demand reduction benefits and attributes, including all reporting and compliance rights, associated with participation in the Program.

Supersedes Programs RSSEE-1
Effective for service rendered on and after February 27, 2019 January October 1, 2023
NCUC Docket No. E-2, Subs 936 and 1174

PROGRAM RSSEE-3 Sheet 2 of 3

PROGRAM RSSEE-3 Sheet 3 of 3