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June 13, 2022

VIA ELECTRONIC FILING

Ms. A. Shonta Dunston
Chief Clerk
North Carolina Utilities Commission
4325 Mail Service Center
Raleigh, North Carolina 27699-4300

**Re: Duke Energy Progress, LLC's Proposed Residential Income-Qualified
Energy Efficiency and Weatherization Program
Docket No. E-2, Sub 1299**

Dear Ms. Dunston:

Enclosed for filing with and approval by the North Carolina Utilities Commission (the "Commission") is Duke Energy Progress, LLC's ("DEP" or the "Company") proposed Residential Income-Qualified Energy Efficiency and Weatherization Program ("Weatherization Program"), an energy efficiency ("EE") program filed in accordance with Commission Rule R8-68 and the Commission's Orders dated February 29, 2008 and March 13, 2008 in Docket No. E-100, Sub 113, Rulemaking Proceeding to Implement Session Law 2007-397 (Senate Bill 3).

The purpose of this program is to assist low-income customers with the installation of energy efficiency measures in their homes to reduce energy usage. This program will work with state weatherization agencies and non-profits to provide weatherization and other upgrades to income-qualified residential households in DEP territory which will result in energy efficiency savings. Eligibility is based on household income that qualifies for the State of North Carolina Weatherization Assistance Program. In consultation with the Demand Side Management ("DSM") and EE Collaborative, this proposal is based on Duke Energy Carolinas, LLC's Residential Income-Qualified Energy Efficiency and Weatherization Assistance for Individuals Program, which was approved by the Commission in Docket No. E-7, Sub 1032 on October 29, 2013.

Similar to DEC's Income-Qualified Weatherization Program and other DEP and DEC programs targeting income-qualified customers, DEP's Weatherization Program is not necessarily cost-effective under the Utility Cost Test. The Company has modeled the

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proposed Weatherization Program's cost-effectiveness results, which are provided in the following table. However, more importantly, the proposed Program encourages EE by targeting low-income customers who have significant need and could derive a great economic benefit from the proposed Program and, therefore, it is in the public interest.

Cost-Effectiveness Tests	Cost-Effectiveness Results
Utility Cost Test (UCT)	0.44
Total Resource Cost Test (TRC)	0.44
Rate Impact Measure Test (RIM)	0.34
Participant Test	1.61

DEP requests the Residential Income-Qualified Energy Efficiency and Weatherization Program tariff become effective on July 1, 2022. The Company is also aware that under Commission Rule R8-68(d)(2) other parties have thirty days from the date of the filing in which to petition for intervention, protest, or file comments. DEP's Low-Income Weatherization Pay for Performance Pilot expires on June 30, 2022, pursuant to the Commission's November 3, 2021 *Order Extending Program Approval* in Docket No. E-2, Sub 1187. Aligning the effective date of the Residential Income-Qualified Energy Efficiency and Weatherization Program tariff with the expiration of the Pay for Performance Pilot will allow participating agencies from the Pilot to transition to the Program without a funding gap. Therefore, the Company requests the Commission approve the July 1, 2022 effective date retroactively upon Commission approval of the program, or in the alternative, approve an effective date of the proposed tariff as soon as possible to avoid a significant funding gap.

DEP requests that the Commission:

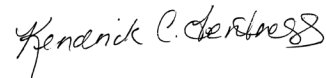
1. Approve the Residential Income-Qualified Energy Efficiency and Weatherization Program tariff (provided on Attachment G) to become effective on July 1, 2022.
2. Find that the Residential Income-Qualified Energy Efficiency and Weatherization Program meets the requirements of a new EE program consistent with Rule R8-69.
3. Find that all costs incurred by DEP associated with Residential Income-Qualified Energy Efficiency and Weatherization Program will be eligible for cost recovery through the annual Demand-Side Management and EE rider in accordance with Rule R8-69(b).

4. Approve the proposed utility incentives for inclusion in the annual DSM/EE rider in accordance with Rule R8-69.

The attached filing package contains a more detailed description of this program, prepared in accordance with Rule R8-68(c)(2) and (3).

If you have any questions, please do not hesitate to contact me.

Sincerely,



Kendrick C. Fentress

Enclosure

c: Parties of Record

CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Proposed Residential Income-Qualified Energy Efficiency and Weatherization Program, in Docket No. E-2, Sub 1299, has been served on all parties of record either by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid.

This the 13th day of June, 2022.



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Income-Qualified Energy Efficiency and Weatherization Assistance Program

R8-68 Filing Requirements	
Income-Qualified Energy Efficiency and Weatherization Assistance Program	
Filing Requirements	
(c)(2)(i)(a)	<p>Measure / Program Name</p> <p>Income-Qualified Energy Efficiency and Weatherization Assistance Program (“Program”)</p>
(c)(2)(i)(b)	<p>Consideration to be Offered</p> <p>This Program will provide payments to local Weatherization program providers and non-profit organizations that provide weatherization and other upgrades to income-qualified residential households in the DEP territory which result in energy efficiency savings.</p>
(c)(2)(i)(c)	<p>Anticipated Total Cost of the Measure / Program</p> <p>See Attachment B, line 13.</p>
(c)(2)(i)(d)	<p>Source and Amount of Funding Proposed to be Used</p> <p>All Program costs will be funded by Duke Energy Progress (“Company” or “DEP”) and subject to recovery through DEP’s annual Demand-Side Management (DSM) and Energy Efficiency (EE) cost recovery rider consistent with Commission Rule R8-69(b). See Attachment B, Line 13</p>
(c)(2)(i)(e)	<p>Proposed Classes of Persons to Whom This Will be Offered</p> <p>This Program is available to authorized Weatherization Assistance Program providers and non-profit organizations performing weatherization upgrades to residential Duke Energy Progress customers’ homes, as deemed eligible by the weatherization agency. Single family and multifamily homes can participate. Both owners and renters can participate.</p>
(c)(2)(ii)(a)	<p>Describe the Measure / Program’s Objective</p> <p>The primary objective of this Program is to increase low-income weatherization, and resulting energy savings, through payments made to non-profit organizations for performing energy saving weatherization services. This funding is intended to assist these non-profits in expanding the number of customers served through their weatherization programs, as well as to leverage additional funding from third party sources. Energy savings will be made possible by Duke Energy funding, as well as state weatherization and third-party funding.</p>
(c)(2)(ii)(b)	<p>Describe the Measure / Program Duration</p> <p>Duration - see Attachment A, line 1.</p>
(c)(2)(ii)(c)	<p>Describe the Measure / Program Sector and Eligibility Requirements</p> <p>Authorized Weatherization Assistance Program providers and non-profit organizations who provide weatherization upgrades to low-income DEP customers are eligible for the Program. For the purpose of this Program, low-income is defined as households that qualify for the State of North Carolina Weatherization Assistance Program</p>

Income-Qualified Energy Efficiency and Weatherization Assistance Program

(c)(2)(ii)(d)	Examples of Communication Materials and Related Cost
	<p>Cost associated with communications materials for this Program through direct mail is estimated at \$6,000 and is embedded in the cost displayed in Attachment B, line 9.</p> <p>This Program may be promoted by the program administrator through:</p> <ul style="list-style-type: none"> • Direct mail offers to customers • Webinars • Company website
(c)(2)(ii)(e)	Estimated Number of Participants
	Estimated 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 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 communicate through an administrator to program providers and low-income households. The Company will send out a series of letters to potential participant households to help Weatherization Assistance Program providers and local non-profit organizations identify clients to serve. The Company is currently unaware of any market barriers associated with this Program as designed.
(c)(2)(iii)(b)	Total Market Potential and Estimated Market Growth throughout the Duration of the Program;
	<p>Market potential represents the number of eligible customers based on eligibility requirements defined in the Program tariff. There are approximately <u>463,764</u> residential customers who meet the criteria for this Program.</p> <p>Estimated Market Growth (Participation) - see Attachment A, lines 3-12.</p>
(c)(2)(iii)(c)	Estimated Summer and Winter Peak Demand Reduction by Unit Metric and in the Aggregate by Year
	Estimated Summer and Winter Peak Demand Reduction – see Attachment A, , lines 13-22 and lines 28-29.
(c)(2)(iii)(d)	Estimated Energy Reduction per Appropriate Unit Metric and in the Aggregate by Year
	Estimated Energy Reduction - see Attachment A, lines 23-27 and lines 30-34.

Income-Qualified Energy Efficiency and Weatherization Assistance Program

(c)(2)(iii)(e)	Estimated Lost Energy Sales per Appropriate Unit metric and in the Aggregate by Year
	Lost Energy Sales - see Attachment A, lines 35-44.
(c)(2)(iii)(f)	Estimated Load Shape Impacts
	See responses to (c)(2)(iii)(c) and (c)(2)(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 Program will be subject to deferral and amortization. DEP is also eligible to recovery a return on any outstanding deferred balance pursuant to R8-68(b)(6). Total estimated cost by category- see Attachment B, lines 6-9. Total estimated benefit- see Attachment B, line 12. Total estimated per unit cost by category – see Attachment D, lines 1-25. Data shown on Attachment B represents present value of cost and benefits over the life of the Program
(c)(2)(iv)(b)	Type, Amount, and Reason for Any Participation Incentives and Other Consideration and to Whom They Will be Offered, Including Schedules Listing Participation Incentives and Other Consideration to be Offered
	<p>Program participants will receive a free energy audit. Based on the findings from the energy audit program participants may be eligible to receive the following:</p> <ul style="list-style-type: none"> • Weatherization Tier I. Homes with energy usage up to 7 kWh per square foot of conditioned space can receive up to \$600 for weatherization measures or • Weatherization Tier II. Homes with energy usage greater than 7 kWh per square foot of conditioned space can receive assistance of up to \$4,000 for weatherization measures and • Replacement cost of an electric heating system, up to \$6,500, with a heat pump having a Seasonal Energy Efficiency Ratio (SEER) of 15 or greater. • Replacement of a qualifying less efficient refrigerator with a new Energy Star rated refrigerator and responsible disposal of the old unit. The cost of the replacement is up to \$1,000.00.
(c)(2)(iv)(c)	Service Limitations or Conditions Planned to be Imposed on Customers Who do not Participate in the Measure / Program
	None
(c)(2)(v)	Cost-Effectiveness Evaluation (including the results of all cost-effectiveness tests and should include, at a minimum, an analysis of the Total Resource Cost Test, the Participant Test, the Utility Cost Test, and the Ratepayer Impact Measure Test) Description of the Methodology Used to Produce the Impact Estimates, as well as, if Appropriate, Methodologies Considered and Rejected in the Interim Leading to the Final Model Specification
	See Attachment B, line 14 for cost-effectiveness test scores. Savings estimates were derived using the DSMore evaluation tool with inputs based on: (1) Estimated program costs and deemed savings/impacts; and (2) Current and projected weatherization measures completed by community action groups active in the DEP territory
(c)(2)(vi)	Commission Guidelines Regarding Incentive Programs (provide the information necessary to comply with the Commission’s Revised Guidelines for Resolution of

Income-Qualified Energy Efficiency and Weatherization Assistance Program

	<p>Issues Regarding Incentive Programs, issued by Commission Order on March 27, 1996, in Docket No. M-100, Sub 124, set out as an Appendix to Chapter 8 of these rules)</p> <p>The Program does not provide any inducement or incentive affecting a residential customer's decision to install or adopt natural gas or electric service.</p>
(c)(2)(vii)	<p>Integrated Resource Plan (explain in detail how the measure is consistent with the electric public utility's or electric membership corporation's integrated resource plan filings pursuant to Rule R8-60)</p> <p>Energy and capacity reductions from this Program will be included for planning purposes in future integrated resource plans.</p>
(c)(2)(viii)	<p>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)</p> <p>Not applicable.</p>
Additional Filing Requirements	
(c)(3)(i)(a)	<p>Costs and Benefits- Any Costs Incurred or Expected to be Incurred in Adopting and Implementing a Measure / Program to be Considered for Recovery Through the Annual Rider Under G.S. 62-133.9</p> <p>See Attachment C, lines 11-35.</p>
(c)(3)(i)(b)	<p>Estimated total costs to be avoided by the measure by appropriate capacity, energy, and measure unit metric and in the aggregate by year</p> <p>See Attachment A, lines 45-54.</p>
(c)(3)(i)(c)	<p>Estimated participation incentives by appropriate capacity, energy, and measure unit metric and in the aggregate by year.</p> <p>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.</p>
(c)(3)(i)(d)	<p>How the electric public utility proposes to allocate the costs and benefits of the measure among the customer classes and jurisdictions it serves.</p> <p>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.</p>
(c)(3)(i)(e)	<p>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).</p> <p>No costs from this Program will be capitalized.</p>
(c)(3)(i)(f)	<p>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).</p> <p>The evaluation costs are estimated to be 5% of total Program costs.</p>
(c)(3)(ii)(a)	<p>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.</p> <p>Evaluation, measurement, and verification activities will provide an independent, third-party report of energy savings attributable to the Program, including gross impact</p>

Income-Qualified Energy Efficiency and Weatherization Assistance Program

	<p>analysis, a Net-to-Gross analysis where applicable, and a process evaluation. The Company intends to follow industry-accepted methodologies for all measurement and verification activities.</p> <p>The process evaluation will examine process changes, measure program satisfaction, and develop recommendations for Program improvements. The evaluator will conduct Program and implementation staff/agency interviews and participant surveys. They will also review program materials and past evaluation reports.</p> <p>The Program impact evaluation is planned to be measured by a consumption analysis using a linear fixed effects regression (LFER) consumption analysis approach. This methodology will assess energy changes in energy consumption attributable to the Program, using comparison group data to determine the energy savings for Tier 1, Tier 2, and HVAC Replacement measures. This methodology will provide inherently net impacts.</p> <p>An engineering analysis will also be performed by reviewing documentation for impacts of all measures to assess whether the savings algorithms and inputs are reasonable using TRMs from neighboring states as references, prioritizing the Mid-Atlantic TRM, and referencing other TRMs (e.g., Arkansas TRM, Illinois TRM, Indiana TRM). The engineering analysis will also incorporate participant survey responses to capture measure installation and persistence rates. The evaluator will also verify the installation and operation of individual measures based on responses from the participant phone survey to develop an ISR for measures. A combination of consumption analysis results and engineering analysis will be used to estimate peak demand savings. The engineering analysis will be the default for Tier 1 measures if there is insufficient sample to perform a consumption analysis on these measures.</p> <p>It is also anticipated that since this is considered a low-income program the net-togross ratio is deemed at 1.0. This is standard industry practice for low-income programs.</p>
(c)(3)(ii)(b)	<p>Measurement and Verification Reporting Plan for New Demand-Side Management and Energy Efficiency Measures: Provide a schedule for reporting the savings to the Commission;</p> <p>The Company will report savings associated with this Program in its annual DSM/EE cost recovery proceedings.</p>
(c)(3)(ii)(c)	<p>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</p> <p>See (c)(2)(v)</p>
(c)(3)(ii)(d)	<p>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</p> <p>The Company intends to use a third-party evaluator. See section (c)(3)(i)(f) for cost.</p>
(c)(3)(iii)	<p>Cost Recovery Mechanism- Describe the Proposed Method of Cost Recovery From its Customers</p> <p>The Company seeks to recover program costs and net lost revenues pursuant to DEP’s Commission-approved DSM/EE cost recovery mechanism.</p>

Income-Qualified Energy Efficiency and Weatherization Assistance Program

(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 proposed by the Company for this Program is included as Attachment G.
(c)(3)(v)	Utility Incentives- Indicate Whether it Will Seek to Recover Any Utility Incentives, Including, if Appropriate, Net Lost Revenues, in Addition to its Costs The Company seeks to recover program costs, net lost revenues, and a utility incentive pursuant to DEP's Commission-approved DSM/EE cost recovery mechanism.

Income-Qualified Energy Efficiency and Weatherization Assistance Program

Attachment A Participation

Income Qualified EE & Weatherization Assistance		
1	Measure Life (Average)	14
2	Free Rider % (Average)	0.0%
3	Incremental Participants Year 1	567
4	Incremental Participants Year 2	567
5	Incremental Participants Year 3	567
6	Incremental Participants Year 4	567
7	Incremental Participants Year 5	567
8	Cumulative Participation Year 1	567
9	Cumulative Participation Year 2	1,134
10	Cumulative Participation Year 3	1,701
11	Cumulative Participation Year 4	2,268
12	Cumulative Participation Year 5	2,835
13	Cumulative Winter Coincident kW w/ losses (net free) Year 1	256
14	Cumulative Winter Coincident kW w/ losses (net free) Year 2	511
15	Cumulative Winter Coincident kW w/ losses (net free) Year 3	767
16	Cumulative Winter Coincident kW w/ losses (net free) Year 4	1,023
17	Cumulative Winter Coincident kW w/ losses (net free) Year 5	1,279
18	Cumulative Summer Coincident kW w/ losses (net free) Year 1	201
19	Cumulative Summer Coincident kW w/ losses (net free) Year 2	403
20	Cumulative Summer Coincident kW w/ losses (net free) Year 3	604
21	Cumulative Summer Coincident kW w/ losses (net free) Year 4	805
22	Cumulative Summer Coincident kW w/ losses (net free) Year 5	1,007
23	Cumulative kWh w/ losses (net free) Year 1	919,043
24	Cumulative kWh w/ losses (net free) Year 2	1,838,085
25	Cumulative kWh w/ losses (net free) Year 3	2,757,128
26	Cumulative kWh w/ losses (net free) Year 4	3,676,171
27	Cumulative kWh w/ losses (net free) Year 5	4,595,214
28	Per Participant Weighted Average Coincident Saved Winter kW w/ losses	0.4511
29	Per Participant Weighted Average Coincident Saved Summer kW w/ losses	0.3551
30	Per Participant Average Annual kWh w/ losses (net free) Year 1	1,621
31	Per Participant Average Annual kWh w/ losses (net free) Year 2	1,621
32	Per Participant Average Annual kWh w/ losses (net free) Year 3	1,621
33	Per Participant Average Annual kWh w/ losses (net free) Year 4	1,621
34	Per Participant Average Annual kWh w/ losses (net free) Year 5	1,621
35	Cumulative Lost Revenue (net free) Year 1	\$88,415
36	Cumulative Lost Revenue (net free) Year 2	\$180,882
37	Cumulative Lost Revenue (net free) Year 3	\$277,345
38	Cumulative Lost Revenue (net free) Year 4	\$377,985
39	Cumulative Lost Revenue (net free) Year 5	\$483,204
40	Average Lost Revenue per Participant (net free) Year 1	\$156
41	Average Lost Revenue per Participant (net free) Year 2	\$160
42	Average Lost Revenue per Participant (net free) Year 3	\$163
43	Average Lost Revenue per Participant (net free) Year 4	\$167
44	Average Lost Revenue per Participant (net free) Year 5	\$170
45	Total Avoided Costs/MW saved Year 1	\$169,548
46	Total Avoided Costs/MW saved Year 2	\$136,666
47	Total Avoided Costs/MW saved Year 3	\$179,363
48	Total Avoided Costs/MW saved Year 4	\$184,737
49	Total Avoided Costs/MW saved Year 5	\$190,254
50	Total Avoided Costs/MWh saved Year 1	\$30
51	Total Avoided Costs/MWh saved Year 2	\$30
52	Total Avoided Costs/MWh saved Year 3	\$31
53	Total Avoided Costs/MWh saved Year 4	\$30
54	Total Avoided Costs/MWh saved Year 5	\$31

Income-Qualified Energy Efficiency and Weatherization Assistance Program

Attachment B Cost-Effectiveness Evaluation

Income Qualified EE & Weatherization Assistance					
		UCT	TRC	RIM	Participant
1	Avoided T&D Electric	\$1,414,117	\$1,414,117	\$1,414,117	\$0
2	Cost-Based Avoided Elec Production	\$1,870,436	\$1,870,436	\$1,870,436	\$0
3	Cost-Based Avoided Elec Capacity	\$1,025,510	\$1,025,510	\$1,025,510	\$0
4	Participant Elec Bill Savings (gross)	\$0	\$0	\$0	\$4,608,001
5	Net Lost Revenue Net Fuel	\$0	\$0	\$3,040,849	\$0
6	Administration (EM&V) Costs	\$461,234	\$461,234	\$461,234	\$0
7	Implementation Costs	\$1,205,481	\$1,205,481	\$1,205,481	\$0
8	Incentives	\$7,604,945	\$0	\$7,604,945	\$7,604,945
9	Other Utility Costs	\$414,248	\$414,248	\$414,248	\$0
10	Participant Costs (gross)	\$0	\$0	\$0	\$7,604,945
11	Participant Costs (net)	\$0	\$7,604,945	\$0	\$0
12	Total Benefits	\$4,310,063	\$4,310,063	\$4,310,063	\$12,212,946
13	Total Costs	\$9,685,907	\$9,685,907	\$12,726,756	\$7,604,945
14	Benefit/Cost Ratios	0.44	0.44	0.34	1.61
Data represents present value of costs and benefits over the life of the program.					

Income-Qualified Energy Efficiency and Weatherization Assistance Program

Attachment C Program Costs by Year

Income Qualified EE & Weatherization Assistance		
1	Incremental Participants Year 1	567
2	Incremental Participants Year 2	567
3	Incremental Participants Year 3	567
4	Incremental Participants Year 4	567
5	Incremental Participants Year 5	567
6	Total Participant Costs Year 1	\$1,719,588
7	Total Participant Costs Year 2	\$1,719,588
8	Total Participant Costs Year 3	\$1,719,588
9	Total Participant Costs Year 4	\$1,719,588
10	Total Participant Costs Year 5	\$1,719,588
11	Administration (EM&V) Costs Year 1	\$103,992
12	Administration (EM&V) Costs Year 2	\$104,242
13	Administration (EM&V) Costs Year 3	\$104,342
14	Administration (EM&V) Costs Year 4	\$104,442
15	Administration (EM&V) Costs Year 5	\$104,542
16	Implementation Costs Year 1	\$270,250
17	Implementation Costs Year 2	\$273,250
18	Implementation Costs Year 3	\$273,250
19	Implementation Costs Year 4	\$273,250
20	Implementation Costs Year 5	\$273,250
21	Total Incentives Year 1	\$1,719,588
22	Total Incentives Year 2	\$1,719,588
23	Total Incentives Year 3	\$1,719,588
24	Total Incentives Year 4	\$1,719,588
25	Total Incentives Year 5	\$1,719,588
26	Other Utility Costs Year 1	\$90,000
27	Other Utility Costs Year 2	\$92,000
28	Other Utility Costs Year 3	\$94,000
29	Other Utility Costs Year 4	\$96,000
30	Other Utility Costs Year 5	\$98,000
31	Total Utility Costs Year 1	\$2,183,830
32	Total Utility Costs Year 2	\$2,189,080
33	Total Utility Costs Year 3	\$2,191,180
34	Total Utility Costs Year 4	\$2,193,280
35	Total Utility Costs Year 5	\$2,195,380

Income-Qualified Energy Efficiency and Weatherization Assistance Program

Attachment D Program Costs per Participant

Income Qualified EE & Weatherization Assistance		
1	Average Per Participant Administration (EM&V) Costs Year 1	\$183.44
2	Average Per Participant Administration (EM&V) Costs Year 2	\$183.88
3	Average Per Participant Administration (EM&V) Costs Year 3	\$184.06
4	Average Per Participant Administration (EM&V) Costs Year 4	\$184.23
5	Average Per Participant Administration (EM&V) Costs Year 5	\$184.41
6	Average Per Participant Implementation Costs Year 1	\$476.72
7	Average Per Participant Implementation Costs Year 2	\$482.01
8	Average Per Participant Implementation Costs Year 3	\$482.01
9	Average Per Participant Implementation Costs Year 4	\$482.01
10	Average Per Participant Implementation Costs Year 5	\$482.01
11	Average Per Participant Incentives Year 1	\$3,033.32
12	Average Per Participant Incentives Year 2	\$3,033.32
13	Average Per Participant Incentives Year 3	\$3,033.32
14	Average Per Participant Incentives Year 4	\$3,033.32
15	Average Per Participant Incentives Year 5	\$3,033.32
16	Average Per Participant Other Utility Costs Year 1	\$158.76
17	Average Per Participant Other Utility Costs Year 2	\$162.29
18	Average Per Participant Other Utility Costs Year 3	\$165.81
19	Average Per Participant Other Utility Costs Year 4	\$169.34
20	Average Per Participant Other Utility Costs Year 5	\$172.87
21	Average Per Participant Total Utility Costs Year 1	\$3,852.23
22	Average Per Participant Total Utility Costs Year 2	\$3,861.49
23	Average Per Participant Total Utility Costs Year 3	\$3,865.20
24	Average Per Participant Total Utility Costs Year 4	\$3,868.90
25	Average Per Participant Total Utility Costs Year 5	\$3,872.61

Income-Qualified Energy Efficiency and Weatherization Assistance Program

Attachment E Program Costs per kW

Income Qualified EE & Weatherization Assistance		
1	Cumulative Winter Coincident kW w/ losses (net free) Year 1	256
2	Cumulative Winter Coincident kW w/ losses (net free) Year 2	511
3	Cumulative Winter Coincident kW w/ losses (net free) Year 3	767
4	Cumulative Winter Coincident kW w/ losses (net free) Year 4	1,023
5	Cumulative Winter Coincident kW w/ losses (net free) Year 5	1,279
6	Cumulative Summer Coincident kW w/ losses (net free) Year 1	201
7	Cumulative Summer Coincident kW w/ losses (net free) Year 2	403
8	Cumulative Summer Coincident kW w/ losses (net free) Year 3	604
9	Cumulative Summer Coincident kW w/ losses (net free) Year 4	805
10	Cumulative Summer Coincident kW w/ losses (net free) Year 5	1,007
11	Administration (EM&V) Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 1	\$516.53
12	Administration (EM&V) Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 2	\$258.89
13	Administration (EM&V) Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 3	\$172.76
14	Administration (EM&V) Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 4	\$129.69
15	Administration (EM&V) Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 5	\$103.85
16	Implementation Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 1	\$1,342.34
17	Implementation Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 2	\$678.62
18	Implementation Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 3	\$452.41
19	Implementation Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 4	\$339.31
20	Implementation Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 5	\$271.45
21	Incentives / Cumulative Summer Coincident kW w/ losses (net free) Year 1	\$8,541.26
22	Incentives / Cumulative Summer Coincident kW w/ losses (net free) Year 2	\$4,270.63
23	Incentives / Cumulative Summer Coincident kW w/ losses (net free) Year 3	\$2,847.09
24	Incentives / Cumulative Summer Coincident kW w/ losses (net free) Year 4	\$2,135.31
25	Incentives / Cumulative Summer Coincident kW w/ losses (net free) Year 5	\$1,708.25
26	Other Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 1	\$447.03
27	Other Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 2	\$228.48
28	Other Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 3	\$155.63
29	Other Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 4	\$119.21
30	Other Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 5	\$97.35
31	Total Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 1	\$10,847.17
32	Total Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 2	\$5,436.62
33	Total Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 3	\$3,627.89
34	Total Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 4	\$2,723.53
35	Total Utility Costs / Cumulative Summer Coincident kW w/ losses (net free) Year 5	\$2,180.91

Income-Qualified Energy Efficiency and Weatherization Assistance Program

Attachment F Program Costs per kWh

Income Qualified EE & Weatherization Assistance		
1	Cumulative kWh w/ losses (net free) Year 1	919,043
2	Cumulative kWh w/ losses (net free) Year 2	1,838,085
3	Cumulative kWh w/ losses (net free) Year 3	2,757,128
4	Cumulative kWh w/ losses (net free) Year 4	3,676,171
5	Cumulative kWh w/ losses (net free) Year 5	4,595,214
6	Administration (EM&V) Costs / Cumulative kWh w/ losses (net free) Year 1	\$0.113
7	Administration (EM&V) Costs / Cumulative kWh w/ losses (net free) Year 2	\$0.057
8	Administration (EM&V) Costs / Cumulative kWh w/ losses (net free) Year 3	\$0.038
9	Administration (EM&V) Costs / Cumulative kWh w/ losses (net free) Year 4	\$0.028
10	Administration (EM&V) Costs / Cumulative kWh w/ losses (net free) Year 5	\$0.023
11	Implementation Costs / Cumulative kWh w/ losses (net free) Year 1	\$0.294
12	Implementation Costs / Cumulative kWh w/ losses (net free) Year 2	\$0.149
13	Implementation Costs / Cumulative kWh w/ losses (net free) Year 3	\$0.099
14	Implementation Costs / Cumulative kWh w/ losses (net free) Year 4	\$0.0743
15	Implementation Costs / Cumulative kWh w/ losses (net free) Year 5	\$0.0595
16	Incentives / Cumulative kWh w/ losses (net free) Year 1	\$1.871
17	Incentives / Cumulative kWh w/ losses (net free) Year 2	\$0.936
18	Incentives / Cumulative kWh w/ losses (net free) Year 3	\$0.624
19	Incentives / Cumulative kWh w/ losses (net free) Year 4	\$0.468
20	Incentives / Cumulative kWh w/ losses (net free) Year 5	\$0.374
21	Other Utility Costs / Cumulative kWh w/ losses (net free) Year 1	\$0.098
22	Other Utility Costs / Cumulative kWh w/ losses (net free) Year 2	\$0.050
23	Other Utility Costs / Cumulative kWh w/ losses (net free) Year 3	\$0.034
24	Other Utility Costs / Cumulative kWh w/ losses (net free) Year 4	\$0.026
25	Other Utility Costs / Cumulative kWh w/ losses (net free) Year 5	\$0.021
26	Total Utility Costs / Cumulative kWh w/ losses (net free) Year 1	\$2.376
27	Total Utility Costs / Cumulative kWh w/ losses (net free) Year 2	\$1.191
28	Total Utility Costs / Cumulative kWh w/ losses (net free) Year 3	\$0.795
29	Total Utility Costs / Cumulative kWh w/ losses (net free) Year 4	\$0.597
30	Total Utility Costs / Cumulative kWh w/ losses (net free) Year 5	\$0.478

Income-Qualified Energy Efficiency and Weatherization Assistance Program

Attachment G
Tariff

OFFICIAL COPY

Jun 13 2022

RESIDENTIAL INCOME-QUALIFIED ENERGY EFFICIENCY AND WEATHERIZATION
PROGRAM IWZ-1

PURPOSE

The purpose of this program is to assist low-income customers with energy efficiency measures in their homes to reduce energy usage. The program provides funding to local agencies and non-profit organizations providing weatherization services and energy efficiency upgrades which result in energy savings to income-qualified residential households in the Duke Energy Progress service territory.

AVAILABILITY

This program is available for residences served on a residential rate schedule from Duke Energy Progress' retail distribution system.

To qualify for this program, the customer must be certified, through appropriate means, to have a household income that qualifies for the State of North Carolina Weatherization Assistance Program.

PROGRAM

Under this program, the measures eligible for funding will be determined by an energy audit of the residence which will be performed at no charge to the customer.

This program will be administered in coordination with local agencies that administer state weatherization programs, or other agencies selected by Duke Energy.

Participants are not eligible for payments under any other Duke Energy Progress' Energy Efficiency Programs for the same energy efficiency measures provided under this program.

Assistance may be provided to qualifying customers in the following areas:

Weatherization and/or HVAC replacement of an electric heating system with a heat pump having a Seasonal Energy Efficiency Ratio (SEER) of 15 or greater is available to homeowners and renters that occupy single-family residences, multifamily residences, or manufactured homes.

Refrigerator Replacement is available to qualified customers in individually metered residences irrespective of whether the property owner or the tenant owns the refrigerator.

PAYMENT

Payments will be made to the administering agency on behalf of the customer as follows:

Weatherization

Tier 1 Homes with energy usage up to 7 kWh per square foot of conditioned space can receive up to \$600 for weatherization measures.

Tier 2 Homes with energy usage more than 7 kWh per square foot of conditioned space can receive assistance of up to \$4,000 for weatherization measures.

HVAC Replacement

Replacement cost of an electric heating system, up to \$6,500, with a heat pump having a Seasonal Energy Efficiency Ratio (SEER) of 15 or greater.

Refrigerator Replacement

Replacement cost, up to \$1000, for a refrigerator with an Energy Star rating.

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.

Effective for service rendered on and after _____
NCUC Docket No. E-2, Sub ____