

# Technical Bulletin: Duke Energy Carolinas FAQs



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## Residential New Construction Program

Recently, the Duke Energy RNC Program team announced that the Duke Energy Progress (DEP) Residential New Construction (RNC) Program is expanding to all Duke Energy jurisdictions in North Carolina, including Duke Energy Carolinas (DEC). This Technical Bulletin will outline how to project incentives and provide answers to the Frequently Asked Questions (FAQ).

### Incentive Calculation

This summer Ekotrope will add a section to the quick panel with the estimated incentive and kWh savings, but raters can currently calculate estimated incentives with the following steps:

1. Select the "Report" button on the Project page in Ekotrope and open the "Duke NC (permitted after 1/1/19 Fuel Summary Comparison" report located in the "Utility Incentive Programs" group in the reports menu. The image to the right highlights the report in green.
2. In the middle of the report, there is a table labeled "Annual End-Use Consumption". Use the "Savings" column highlighted in the image below to calculate incentives using the following.
  - a. Incentives for homes with a **natural gas furnace**:

$$([\text{Non-Heating kWh Savings}] \times \$0.75) + ([\text{Heating kWh Savings}] \times \$0.75)$$

- b. Incentives for homes with **primary electrical heating** such as a heat pump:

$$([\text{Non-Heating kWh Savings}] \times \$0.75) + ([\text{Heating kWh Savings}] \times \$0.40)$$

### Utility Incentive Programs

- Duke NC 2012 HERO Performance Compliance
- Duke 2012 HERO Fuel Summary Comparison
- Duke 2012 HERO Proposed Home Summary
- Duke 2012 HERO Reference Home Summary
- Duke NC 2018 HERO Performance Compliance
- Duke 2018 HERO Fuel Summary Comparison
- Duke 2018 HERO Proposed Home Summary
- Duke 2018 HERO Reference Home Summary
- Duke Rebate Reference Home (Permitted after 1/1/19)
- Duke NC (permitted before 1/1/19) Fuel Summary Comparison
- Duke NC (permitted after 1/1/19) Fuel Summary Comparison

### Example of report used for rebate calculation

Annual End-Use Consumption	Reference	Rated Home	Savings	% Saved
Heating [Electric kWh]	6,555.3	4,731.9	1,823.4	27.8%
Cooling [Electric kWh]	2,489.2	2,111.3	377.9	15.2%
Hot Water [Electric kWh]	2,323.4	942.5	1,380.9	59.4%
Lights & Appliances [Electric kWh]	6,565.4	5,847.9	717.5	10.9%
Total [Electric kWh]	17,933.3	13,633.7	4,299.6	24%
Total Onsite Generation kWh	0.0	0.0	0.0	0%

**Example of the Annual-End Use Consumption table. The red row highlights the heating kWh savings. The blue rows highlight the non-heating kWh savings.**

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The table below shows the calculations using numbers from the Annual End-Use Consumption data shown in the image above.

Heating type	Non-Heating Savings	Heating Savings	DEC Estimated Incentive
Primarily Gas Heating	$(377.90 + 1380.90 + 717.50) \times \$0.75$ = <b>\$1857.23</b>	$1823.40 \times \$0.75$ = <b>\$1367.55</b>	$\$1857.23 + \$1367.55 =$ <b>\$3224.78</b>
Primarily Electric Heating	$(377.90 + 1380.90 + 717.50) \times \$0.75$ = <b>\$1857.23</b>	$1823.40 \times \$0.40$ = <b>\$729.36</b>	$\$1857.23 + \$729.36$ = <b>\$2586.59</b>

### FAQs

1. When will homes be eligible in Duke Energy Carolinas territory?
  - Homes permitted on or after **January 7<sup>th</sup>, 2022** will be eligible for submission starting on **August 1<sup>st</sup>, 2022**.
2. Are homes in South Carolina eligible for submission on August 1<sup>st</sup>, 2022?
  - Homes in **Duke Energy Progress territory**, including South Carolina are **not impacted**. Homes in **Duke Energy Carolinas territory** in South Carolina are **not eligible** at this time. Duke Energy plans to file in South Carolina and we will keep participants updated as things progress.
3. Will homes in Duke Energy Carolinas territory need to be submitted within 180 days of Certificate of Occupancy?
  - **We will be waiving the 180-day rule (only on Duke Energy Carolinas homes) through December 31<sup>st</sup>, 2022** to allow Home Energy Raters time to clear any backlog of homes. The 180-day rule will be in effect for all submissions starting on January 1<sup>st</sup>, 2023.
4. Will we have to distinguish whether a home is in Duke Energy Progress territory, or Duke Energy Carolinas territory when submitting homes?
  - **Yes**, raters will need to distinguish between Duke Energy Progress and Duke Energy Carolinas in home submissions. The Ekotrope submission platform will not be able to determine based on premise number which territory the project will fall under.
5. Will raters and builders need to register with the Duke Energy Carolinas Program, even if we are already signed-up as participants in the RNC Program in Duke Energy Progress?
  - **Yes**, both raters and builders will need to complete new builder or rater application. Applications will be available soon, and the RNC Program team will keep participants updated on the timeline.
6. How will we get Duke Energy premise numbers in Duke Energy Carolinas territory?
  - **Raters will follow the same process to get premise numbers** they are currently using in Duke Energy Progress territory. If there are any questions about this process, please reach out to [DERNC@icf.com](mailto:DERNC@icf.com).

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### Residential New Construction Program



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7. Is there a compliance reference home available for Duke Energy Carolinas?
  - o **The compliance reference homes will remain the same** as they currently are for Duke Energy Progress homes, barring any unforeseen updates.

If you have any questions on the Duke Energy RNC Program, please contact [DERNC@icfprogram.com](mailto:DERNC@icfprogram.com).