



MIKE CAUSEY, INSURANCE COMMISSIONER & STATE FIRE MARSHAL

BRIAN TAYLOR, CHIEF STATE FIRE MARSHAL

MEMORANDUM

DATE: December 18, 2018
TO: Approved Third Party Certification Agencies
FROM: Michael J. Hamm, P.E. -- Chief Building Code Consultant, Manufactured Building Division
RE: 2018 NC Energy Code COMcheck and REScheck Alternatives

The 2018 NC Energy Conservation Code (NCECC) will become mandatory on January 1, 2019. Thus, all approved modular plans submitted to this Office on or after January 1, 2019 will be required to meet the 2018 NCECC. Recently we were made aware of a US Department of Energy decision to not include the 2018 NCECC as an option in either the COMcheck or REScheck programs. This memo will provide some alternatives for COMcheck and REScheck which will meet the requirements of the 2018 NCECC.

For commercial buildings the preferred alternative for COMcheck is the **ASHRAE 90.1 2013 Standard**.

For one and two family dwellings there are a few REScheck alternative options:

- Follow the prescriptive requirements of the 2018 NCECC.
 - Trade-off calculations for the 2018 NCECC for Residential Buildings could be performed by a HERS Rater with a current certification using Section R402.1.5 Total UA Alternative.
 - The 2018 NCECC includes a new compliance path in Section R406 “Energy Rating Index Compliance Alternative” may be performed by a HERS Rater with a current certification.
 - The new Code also provides a new performance path in Section R405 “Simulated Performance Alternative”
- Utilize a performance design created by either a NC Design Professional or a HERS rater.
- Use the 2015 IECC in REScheck. If this option is chosen, then all requirements of the 2015 IECC must be followed. Note that the 2015 IECC requirements are more stringent than the 2018 NC Energy Code.

Please make all of your NC approved modular manufacturers aware of these changes as soon as possible.

cc: Joseph H. Sadler, Jr., P.E. -- Deputy Commissioner
C. Patrick Walker, P.E. -- Technical Services Manager
P. Shane Phelps -- Building Code Consultant
Bhavya Nanisetti -- Building Code Consultant
Manufactured Building Division – Field Staff