



Field Testing Protocol

As part of the requirements of ENERGY STAR, representative homes must be tested in the field. The Verifier randomly selects homes such that a minimum of 1 in 7 homes completed by each builder within a 12-month period is tested. Additionally, the Verifier must test the first two homes constructed by the builder. These homes are not counted as part of the routine sampling (1 in 7 homes). Homes tested in the field may include those that were part of the plant's qualification process.

The tests demonstrate that the home meets or exceeds the target performance levels stipulated by ENERGY STAR. Testing includes the following:

- a. Envelope leakage to confirm conformance to ENERGY STAR requirements.
- b. Duct air leakage to the outside (not required if all ducts and air handling equipment are in conditioned space and envelope has been tested to no more than 3 ACH50 or 0.25 CFM 50 per square foot of building envelope).

If any test results do not meet requirements noted on the **CertifiedGreen Modular Home Completion Report**, the Verifier follows the non-compliance procedures described below.

Protocol for Addressing Non-Compliance at the Site

If and when a Verifier identifies an item of non-compliance during a site inspection or testing and if the item of non-compliance is deemed by the Verifier to be systemic (relating to routine methods in either site construction or plant production), the Verifier is required to take the following steps:

1. After documenting one or more such non-compliance items, the Verifier files a **CertifiedGreen Modular Home Completion Report** with SBRA describing the non-compliance and informs the Builder as to any corrective actions required. The home is then repaired and re-tested.
2. Inspect and test the next two homes built by the same builder. These homes shall *not* count toward the 1 in 7 sample rate. At the discretion of the Verifier, the inspection and testing may be limited to the item(s) found deficient on the failed home, but must include the deficient items. If both homes pass, resume standard quality control testing regimen.
3. If one of the additional homes fails, then cease testing and notify the SBRA immediately for instructions on how to proceed.
4. If, in the Verifier's judgment, continued non-conformance is the result of work by the builder and not related to factory built measures, ENERGY STAR verification can only resume after repeating the two (2) home initial evaluation successfully and the Verifier is fully satisfied that all systemic problems have been addressed and the builder is ready to consistently meet ENERGY STAR requirements.

If continued non-conformance is the responsibility of the plant, construction of ENERGY STAR Qualified Homes can only resume after the plant certification process, including inspection and testing of all relevant items on three homes, has been successfully repeated and demonstrates to the Certifier's full satisfaction that all systemic problems have been addressed and the plant is ready to consistently meet ENERGY STAR requirements.