

PROGRAM CROSSWALK:

A comparison of the 2018 IECC to other standards

MEASURE	2018 IECC / 90.1-2016	ENERGY STAR	LEED BD+C	LEED LOWRISE	LEED MIDRISE	EGC 5.1B	PHIUS	NGBS	GREEN GLOBES
ENERGY MODEL ASHRAE 90.1-2013 as base	8%	15%	3%	15%	3%	15%	WUFI ~25%	=	- 3%
ENVELOPE INSPECTION	✓	✓	No	✓	✓	✓	✓	✓	No
BLOWER DOOR TESTING	No	✓	No	✓	✓	No	✓	No	No
MANUAL J	No	✓	No	✓	✓	✓	✓	✓	No
KITCHEN EXHAUST	No	✓	✓	✓	✓	✓	✓	No	No
IN-UNIT VENTILATION	✓	✓	✓	✓	✓	✓	✓	No	No
IN-UNIT DUCT TESTING	No	✓	No	✓	✓	✓	✓	No	No
COMMISSIONING	✓	No	✓	?	✓	✓	?	No	No

Elements of High-Performance Buildings:

- Energy efficient lights, appliances and equipment and high-performance windows, insulation and envelope design confirmed in an **energy model**
- **Insulation** in full contact with air barrier and limited gaps and compressions
- Continuous **air sealing** around building envelope and residential units tested with blower door
- Right-sized mechanical equipment as verified with **Manual J** to ensure comfort, efficiency and longevity
- Direct vented **kitchen exhaust** tested to meet minimum flow rate requirements to ensure proper removal of contaminants
- Mechanically supplied, filtered, and direct ducted fresh air **ventilation** tested to meet minimum flow rates to ensure proper delivery
- **Duct leakage** testing to confirm ductwork is properly sealed and delivering conditioned air effectively
- **Commissioning** of building systems to ensure proper sequencing, install and operation