



## SUSTAINABLE BUILDING CODE CHECKLIST

**PROJECT ADDRESS:** \_\_\_\_\_

**MANDATORY REQUIREMENTS, 2018 IECC - Residential Provisions**

- All projects to comply with all applicable requirements of the International Residential Code.
- Forced air-furnace system, minimum 91% AFUE.
- Radiant heating system, minimum 91% AFUE.
- High-efficacy lamps, minimum 75%.
- Energy efficient water heater.
  - Electric, minimum 0.95 energy factor
  - Gas, minimum 0.67 energy factor.
- Recycling; HC3 information to be provided at permit issuance.
- Provide an electrical car charging rough in, including a blanked electrical box, and a raceway terminating in the electrical panel.
- Provide PV ready construction including a metal raceway from the electrical panel to the roof location where the panels will be installed, including a roof jack, a #8 copper ground, a 2 pull blank in the electrical panel and an electrical conduit from the electrical panel out to the electric meter.

**Please complete the following calculations and then choose from the secondary measures for every point incurred. Your plans and inspections will be reviewed and inspected according to the above mandatory requirements and your secondary choices. LEED-H, ICC-700, Green Globes certified or alternate approved third party certified program is acceptable in place of this document.**

Square footage of new conditioned (heated) space \_\_\_\_\_ ÷ 1000 sq. feet = \_\_\_\_\_

Number of outdoor fireplaces and/or fire pits \_\_\_\_\_

Hot Tub \_\_\_\_\_

Square footage of heated outdoor surfaces \_\_\_\_\_ ÷ 100 sq. feet = \_\_\_\_\_

Square footage of air conditioned space \_\_\_\_\_ ÷ 500 sq. feet = \_\_\_\_\_

**Total Points Incurred** (rounded to next highest whole number) \_\_\_\_\_

*(Carry-over to other side)*

**SECONDARY CHOICES:** (Each worth one point, unless noted otherwise)

- Energy Star appliances throughout.
- Soil Composting.
- Air movement at all ceilings > 15'.
- Insulated exterior wall sheathing.
- Blower door test of 3.0 ACH or less. Air Changes per Hour @ 50 Pascals.
- SIP panel construction at walls. Structural Insulated Panel.
- SIP panel construction at ceiling.
- Roof framing 60% or greater renewable or engineered lumber.
- Floor framing 80% or greater renewable or engineered lumber.
- Beams and headers 80% or greater renewable or engineered lumber.
- Energy heels at trusses, 12" or greater.
- ICF foundation. Insulated Concrete Forms.
- Insulated headers (80% minimum at R-10).
- Greater than R-23 in walls.
- Greater than R-49 in ceiling.
- U-factor of .30 or lower on 80% of fenestrations.
- Conditioned crawlspace or slab on grade.
- High efficiency boiler, AFUE 95% or greater. Annual Fuel Utilization Efficiency.
- High efficiency furnace, AFUE 95% or greater.
- Boiler or furnace centrally located; no mechanical run longer than 2/3 the distance of the greatest diagonal dimension of the home.
- HRV or ERV system installed.
- Side arm water heater served by boiler.
- 50 year roof or greater warranty.
- Alternative energy sources: 1000 British Thermal Units/Kilowatt/Photovoltaic.
  - Active solar space heating system 1 pt/25MBTU \_\_\_\_\_
  - Active solar domestic hot water system 1 pt/25MBTU \_\_\_\_\_
  - Ground source heating/cooling system 1 pt/25MBTU \_\_\_\_\_
  - Solar generated (PV) electric system 1 pt/2.5KW \_\_\_\_\_
  - Wind generated electric system 1 pt/2.5KW \_\_\_\_\_
- Dual flush toilets or Watersense toilets.
- Motion sensors on a minimum of 80% of exterior lights.
- Programmable thermostats.
- No recessed lights in the exterior insulated ceilings.
- OVE framing. Optimal Value Engineering.
- Bamboo, concrete, stone or cork flooring, 1 pt/50%.
- HERS rating. Home Energy Rating.
  - 2 pts for performing HERS rating \_\_\_\_\_
  - 4 pts HERS Index of 70 or less \_\_\_\_\_
  - 8 pts HERS Index of 55 or less \_\_\_\_\_
  - 12 pts HERS Index of 40 or less \_\_\_\_\_
- Innovative Product, Design or Technology (Points awarded by Building Official)

**POINT SUMMARY:**

\_\_\_\_\_ Total Points Awarded for Secondary Choices (from above)  
- \_\_\_\_\_ Total Points incurred (from other side)  
= \_\_\_\_\_ Total Net Points (must be greater than or equal to zero)

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Applicant Name

Applicant Signature

Date