

CHAPTER 46
 SUMMIT COUNTY SUSTAINABLE CODE
 SECTION 4601
 GENERAL

4601 Scope. All new building construction and construction adding additional conditioned square footage shall be compliant with the Summit County Sustainable Code and the following Summit County Sustainable Code Checklist.

4602 Summit County Sustainable Code Checklist:

SUMMIT SUSTAINABLE BUILDING CODE CHECKLIST/NEW SFR

MANDATORY REQUIREMENTS, 2012 IRC - Chapter 11 and 2012 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.

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*

SECONDARY CHOICES

- Energy Star appliances throughout.

- Electric Vehicle Charging Pre-Wire in every new garage or carport.
- Locally purchased compost from Summit County Resource Allocation Park(SCRAP).
- Air movement at all ceilings > 15'.
- Insulated exterior wall sheathing.
- Blower door test of 3.0 ACH or less. *Air Changes pursuant to 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, 1.28 gpf 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)

_____ **Total Points Awarded for Secondary Choices**

_____ **Total Points incurred *from other side***

_____ **Total Net Points *must be greater than or equal to zero***