

# Summit Sustainable Building POINTS & COMPLIANCE SUMMARY

Version 1.0

March 2008

Prepared by High Country Conservation Center  
to accompany the Summit Sustainable Building Code

## 1.0 MANDATORY MEASURES

The following measures are mandatory for all projects:

### 1.1 Minimum Insulation Values

1.1.1 Exterior Wall = R-21

1.1.2 Roof Ceiling = R-49

1.1.3 Basement Wall = R-10 continuous;  
R-13 framing cavity

1.1.4 Conditioned Crawl Space  
R-10 below grade wall (continuous);  
R-13 framing cavity;  
R-19 above grade wall

1.1.5 Under Slab = R-10

1.1.6 Slab Edge = R-10;  
R-15 Heated Slabs

1.1.7 Floor (over crawl) = R-30  
Cantilever Floor = R-30

*Any reduction in the above minimum values that is permitted by the International Energy Conservation Code will be permitted by this code.*

Compliance: Inspected (Insulation)

### 1.2 Fenestrations (Windows & Doors)

Exterior Windows = .35 U-value

Glazed Doors = 0.35 U-value

Skylights and other Fenestration = 0.60 U-value

Compliance: Inspected (Plan Check and Final)

### 1.3 Exterior Opaque Doors

*One exterior opaque door assembly to the house and one to the garage, if applicable, are exempt from the U-values. Additionally, garage doors are exempt.*

Compliance: Inspected (Final)

## **1.4 Energy Efficient Heat Source**

**1.4.1 Boiler Efficiency Rating: 87%**

**1.4.2 Forced Air Furnace Efficiency Rating: 88%**

Compliance: Inspected (Final)

## **1.5 Energy Efficient Water Heater**

**1.5.1 Gas Fired Hot Water Heater Efficiency Rating: 63%**

**1.5.2 Electric Hot Water Heater Efficiency Rating: 93%**

**If a tankless, side-arm, solar or geothermal heat pump water heater is installed, this mandatory requirement shall be deemed to be met.**

Compliance: Inspected (Final)

## **1.6 Owner's Manual**

**An owner's manual, which includes the operation instructions of all mechanical systems and energy saving systems installed in the house, shall be provided to the homeowner; many mechanical systems require professional service and this should be indicated in the owner's manual. *Not required for Multi-Family.***

Compliance: Inspected (Final)

## **2.0 SECONDARY MEASURES**

Secondary measures must be incorporated into the design and construction of all single family homes and multi-family units or be offset by the designated point value through other options listed in Section 3 of the Sustainable Building Menu.

### **2.1 Building Size**

**2.1a Single Family (attached or detached): For every 50 square feet of conditioned space (including heated garage) over 3,000 square feet on a single family unit, one additional point must be offset by an alternative in the Sustainable Building Menu. Dwelling units of less than 3000 square feet will be credited with one point for every 50 square feet less than 3000 square feet.**

*For example, a 3,400 square foot unit would be required to provide measures to offset a total of 8 points (3,400 minus 3,000 = 400; divided by 50 = 8 points). A 2800 square foot unit would be credited 4 points (3000 minus 2800 = 200 divided by 50 = 4 points).*

**2.1b Multi-Family Units (3 or more units or residential units in Mixed-Use): For every 50 square feet of conditioned space over 1200 square feet per unit, one additional point must be offset by an alternative in the Sustainable Building Menu.**

**2.2 Additions: For the purpose of calculation total building size, the existing plus the proposed building/unit size will be used.**

### **2.3-2.5 Renewable or Engineered Lumber**

**Multi-Family and Mixed-Use Buildings of non-combustible construction as defined by the building code are deemed to comply with this requirement. Install the following quantities of renewable lumber in each building:**

**2.3 Roof framing: Minimum of 60% of renewable or engineered lumber**

**2.4 Floor framing: Minimum of 80% of renewable or engineered lumber**

**2.5 Beams/Headers: Minimum of 80% of renewable or engineered lumber**

The percentage of area for floors and roofs will be measured as a percentage of the floor/roof area in plan view.

The percentage of beams and headers will be measured as a percentage of total linear length of wood beams and headers.

*Offset value, 1 point for every 10% less than required above and 1 point credit for every 10% more than required.*

Compliance: Inspected (Framing)

### **2.6 Day Lighting**

**All bathrooms and laundry rooms have windows, skylights and/or transoms to adjoining rooms, meeting natural light requirements of the Residential Code. Toilet closets are exempt.**

*Offset value, 2 points for every bathroom and laundry room not meeting natural light requirements of the Residential Code.*

Compliance: Inspected (Final)

### **2.7 Air Movement**

**All vaulted/raised ceiling areas greater than ten feet above the finished floor level are to include an air circulation fan or vent system.**

*Offset value, 5 points per room (with vaulted ceilings).*

Compliance: Inspected (Final)

### **2.8 Recycling Center**

**Install a recycling center in all kitchen and garage areas. A recycling center can consist of one or more of the following: a built in recycling cabinet; a pull out drawer; a 2' x 2'**

space in a pantry dedicated to recycling; a 2' x 2' dedicated space in a garage dedicated to recycling; or actual recycling bins.

*Offset value, 3 points*

Compliance: Inspected (Final)

## **2.9 Energy Star® rated appliances**

**Install the following Energy Star rated appliances:**

**Dishwasher**

**Refrigerator and/or Freezer**

**Clothes Washer**

*Offset value, 1 point per appliance not rated or not provided*

Compliance: Inspected (Final)

## **INTENSIVE ENERGY USE AMENITIES**

### **2.10 Outdoor Decorative Gas Fireplaces/Stoves**

All outdoor gas fired fireplaces and fire pits, outdoor gas mounted deck heaters or other gas appliances (excluding grills and other cooking appliances).

*Offset value, 5 points per appliance*

Compliance: Inspected (Final)

### **2.11 Outdoor Hot Tubs, Spa Pools and Swimming Pools**

*Offset value, 5 points for every 50 square feet, or part thereof, of hot tub, spa, or pool water surface area.*

Compliance: Inspected (Final)

### **2.12 Outdoor Heated Surfaces including exterior drives, pathways, and garage aprons, etc.**

*Offset value, 2 points for every 100 square feet, or part thereof, of outdoor heated surface.*

Compliance: Inspected (Final)

### **2.13 Air Conditioning**

*Offset value, 1 point for every 200 square feet, or part thereof, of air conditioned space.*

Compliance: Inspected (Final)

## 3.0 SUSTAINABLE BUILDING MENU

### COMMUNITY BENEFIT

#### 3.1 Simple Footprint

3.1.a) Four Exterior Corners

*3 points*

3.1.b) Six Exterior Corners

*2 points*

3.1.c) Eight Exterior Corners

*1 point*

Compliance: Inspected (Plan Check)

#### 3.2 Land Use

3.2.1 Save and Reuse all Topsoil On-Site

*3 points*

3.2.2 Save and Reuse all Excavated Fill On-Site

*3 points*

3.2.3 Site-Rock Reclaimed and Used On-Site

*3 points*

3.2.4 On-Site Batch-Plant/Crushed Rock Used On-Site

*1 point per 10 yards (maximum of 4 points)*

3.2.5 Topsoil is tested and/or amended with Compost

*3 points*

3.2.6 Plant Trees greater than 4' Tall

*2 points per tree*

3.2.7 Stay within the Disturbance Area

*1 point*

Compliance: Self Certified

#### 3.3 Deconstruction Recycling

3.3.1 Deconstruction Plan Submitted to High Country Conservation Center

A deconstruction plan consists of an inventory of salvageable and reusable materials, and a list of planned sources for reuse and recycling, and a timeline for deconstruction. See Appendix 7 for a Sample Deconstruction Plan.

Submit to:

High Country Conservation Center

[building@highcountryconservation.org](mailto:building@highcountryconservation.org)

PO Box 4506 Frisco, CO 80443

110 3<sup>rd</sup> Ave (in Frisco Community Center)

970-668-5703

*4 points*

Compliance: Inspected (Plan Check)

### 3.3.2 Wood Recycled

*1 point per 25% (4 points maximum)*

*NOTE: Percentage of recyclables refers to percent of total waste disposal for project. Weight slips for recycling and disposal are provided at the Summit County Landfill.*

### 3.3.3 Metal Recycled

*1 point per 25% (4 points maximum)*

*(See note above for details on calculating percentage)*

### 3.3.4 Concrete Recycled

*1 point per 25% (4 points maximum)*

*NOTE: Percentage of recyclables refers to percent of total waste disposal for project. Weight slips for recycling and disposal are provided at the Summit County Landfill. Weight slips can also be obtained from Everest Materials and Stan Miller.*

### 3.3.5 Compaction (grinding or shredding)

*1 point per 25% (4 points maximum)*

*NOTE: Percentage of grinding refers to percent of total waste disposal for project. Weight slips from the Summit County Landfill indicate whether material was loose or compacted (ground).*

### 3.3.6 Fixtures/Materials/Wood Donated to Reuse Center

*1 point per cubic yard of materials donated (4 points maximum)*

*NOTE: Estimates will be accepted.*

Compliance: 3.3.2-3.3.6 Self Certified

## **3.4 Construction Recycling**

### 3.4.1 Wood Recycled

*1 point per 25% (4 points maximum)*

*NOTE: Percentage of recyclables refers to percent of total waste disposal for project. Weight slips for recycling and disposal are provided at the Summit County Landfill.*

### 3.4.2 Metal Recycled

*1 point per 25% (4 points maximum)*

*(See notes above for details on calculating percentage)*

### 3.4.3 Cardboard Recycled

*1 point per 25% (4 points maximum)*

*(See notes above for details on calculating percentage)*

### 3.4.4 Compaction (grinding or shredding)

*1 point per 25% (4 points maximum)*

*NOTE: Percentage of recyclables refers to percent of total waste disposal for project. Weight slips for recycling and disposal are provided at the Summit County Resource Allocation Park (landfill).*

*Weight slips can also be obtained from Everest Materials and Stan Miller.*

3.4.5 Excess New Wood/Materials Donated to Reuse Center  
*1 point per cubic yard of materials donated (4 points maximum)*  
*NOTE: Estimates will be accepted.*

Compliance: 3.4.1-3.4.5 Self Certified

## **ENERGY EFFICIENCY**

### **3.5 Passive Solar Design**

*Refer to Resource Guide for details on definitions of below.*

3.5.1 East West Axis within 30 degrees Perpendicular to True South or Demonstrated Direct Gain  
*5 points*

Compliance: Inspected (Plan Check)

3.5.2 Properly Designed Overhangs  
*2 points*

Compliance: Inspected (Plan Check & Frame)

3.5.3 Solar Access is Unimpeded  
*3 points*

Compliance: Inspected (Plan Check)

3.5.4 Sun Tempered Design  
*5 points*

Compliance: Inspected (Plan Check)

3.5.5 True Passive Solar Design  
*5 points*

Compliance: Inspected (Plan Check)

### **3.6 Building Envelope**

3.6.1 Advanced Sealing Package  
*Refer to Resource Guide for details on requirements:*  
*4 points*

Compliance: Inspected (Plan Review & Insulation)

3.6.2 Sill Plate Sealed with Foam Sealer  
*1 point*

Compliance: Inspected (Plan Review & Insulation)

3.6.3 Energy Heals of 12” or more in Trusses  
*4 points*

Compliance: Inspected (Plan Review & Framing)

3.6.4 Insulated Exterior Wall Sheathing (R-3.5 or better)

*5 points*

Compliance: Inspected (Plan Review & Framing)

3.6.5 Insulated Headers (80% minimum R-10)

*2 points*

Compliance: Inspected (Plan Review & Framing)

3.6.6 Blower Door Test with score

*0.45 or less = 4 points*

*0.40 or less = 6 points*

*0.35 or less = 8 points*

*0.30 or less = 10 points*

Compliance: Inspected (Plan Review & After-Final)

3.6.7 Unvented Crawlspace per ASHRAE 23.11

*4 points*

Compliance: Inspected (Plan Review & Frame Final)

**3.7 Mechanical Systems**

3.7.1 Active Solar Space Heating System Installed

*1 point per 2 MBTU per year*

Compliance: Inspected (Plan Review & Frame Final)

3.7.2 Active Solar Domestic Hot Water System Installed

*1 point per 2 MBTU per year*

Compliance: Inspected (Plan Review & Frame Final)

3.7.3 Geothermal/Ground Source Heating System Installed

*1 point per 2 MBTU per year*

Compliance: Inspected (Plan Review & Final)

3.7.4 High Efficiency Boiler Installed (greater than 91%)

*4 points*

Compliance: Inspected (Plan Check & Final)

3.7.5 High Efficiency Forced-Air Furnace Installed (92% or greater).

*4 points*

Compliance: Inspected (Plan Check & Final)

3.7.6 Furnace Centrally Located

*2 points*

Compliance: Inspected (Plan Check & Framing)

3.7.7 In-Floor Radiant Heat System Installed

*4 points*

Compliance: Inspected (Plan Check & Framing)

3.7.8 HVAC Equipment & Duct Sizing, Balancing and Sealing

*4 points*

Compliance: Inspected (Plan Check & Final)

3.7.9 Energy Star House

*4 points*

Compliance: Inspected (Plan Check & Final)

3.7.10 Heat Recovery Ventilation or Air to Air Heat Exchanger Installed

*3 points*

Compliance: Inspected (Plan Check & Framing)

3.7.11 Convert Electric Resistance Heat to Gas (remodel/addition)

*3 points*

Compliance: Inspected (Plan Check & Final)

3.7.12 Replace Electric Hot Water Tank to Gas (remodel/addition)

*3 points*

Compliance: Inspected (Plan Check & Final)

3.7.13 Side Arm Water Heater Served by the Boiler

*3 points*

Compliance: Inspected (Plan Check & Final)

3.7.14 South Roof Area Designed & Rough in for Future Solar Collector

*5 points*

Compliance: Inspected (Plan Review & Final Frame)

**3.8 ELECTRICAL/LIGHTING/APPLIANCES**

3.8.1 Solar-generated electric system (PV)

*2 points per megawatt hour per year*

Compliance: Inspected (Plan Check & Final)

3.8.2 Wind-generated electric system

*2 points per megawatt hour per year*

Compliance: Inspected (Plan Check & Final)

3.8.3 Clothes Washer is Front Loading (Horizontal Axis)

*1 point*

Compliance: Inspected (Plan Check & Final)

3.8.4 Clothes Line Installed (Inside or Outside)

*1 point*

Compliance: Inspected (Plan Check & Final)

3.8.5 Non-incandescent Light Fixtures (90% of total light fixtures)

*4 points*

Compliance: Inspected (Plan Check & Final)

3.8.6 Occupancy/Motion Sensor Controls Installed

*1 point*

Compliance: Inspected (Plan Check & Final)

3.8.7 Automatic Daylight Dimming Controls

*2 points*

Compliance: Inspected (Plan Check & Final)

3.8.8 Motion Sensor or Timers on Exterior Lights

*2 points*

Compliance: Inspected (Plan Check & Final)

3.8.9 Energy Efficient Controls

In-floor Radiant Heat & Hot Water Baseboard Heat

*Provide digital thermostat.*

Forced Air Heat

*Provide programmable thermostat.*

*2 points*

Compliance: Inspected (Plan Check & Final)

3.8.10 No Recessed Lights in an Exterior Insulated Ceiling

*4 points*

Compliance: Inspected (Plan Check & Final)

3.8.11 Air-Loc, IC Rated Recessed Light Fixtures

*2 points*

Compliance: Inspected (Plan Check & Framing)

**3.9 INSULATION**

3.9.1 Higher R-values

*1 point per R-value over Mandatory R-values as follows (maximum 10 points per structure component):*

a.) Exterior Wall = R-22 or better

b.) Roof Ceiling = R-50 or better

c.) Cantilever Floor = R-31 or better

Compliance: Inspected (Plan Check & Insulation)

3.9.2 Blow or Sprayed Insulation

*1 point per 10% of total insulation*

Compliance: Inspected (Plan Check & Insulation)

3.9.3 Insulate All Hot water Pipes to All Locations to R-3

*3 points*

Compliance: Inspected (Plan Check & Insulation)

3.9.4 Insulate All Hot Water Pipes in Unconditioned Space to R-6

*4 points*

Compliance: Inspected (Plan Check & Insulation)

3.9.5 High Window Insulation

*1 point for each 10 square feet of window area located in high ceiling areas greater than ten feet above finished floor with installed insulated blinds/curtains. Blinds/curtains must be readily controlled from the floor.*

Compliance: Inspected (Plan Review & Frame Final)

3.9.6 Wall Insulation is 30% Recycled Content

*3 points*

Compliance: Inspected (Plan Check & Insulation)

3.9.7 Roof Insulation is 30% Recycled Content

*3 points*

Compliance: Inspected (Plan Check & Insulation)

3.9.8 Non-Toxic Water Based Spray On Insulation

*2 points*

Compliance: Inspected (Plan Check & Insulation)

3.9.9 HCFC-Free Rigid Foam Insulation Used

*2 points*

Compliance: Inspected (Plan Check & Insulation)

3.9.10 Existing Ceiling Insulated to R-30 or capacity (remodel/addition)

*5 points*

Compliance: Inspected (Plan Check & Insulation)

3.9.11 Existing Walls Insulated to Capacity or Rigid Insulation Added to Exterior (remodel/addition)

*5 points*

Compliance: Inspected (Plan Check & Insulation)

3.9.12 Single Pane Windows updated to Double Glaze with U-factor 0.35 or less (addition/remodel)

*5 points*

Compliance: Inspected (Plan Check & Insulation)

**3.10 FOUNDATION**

3.10.1 Insulated Concrete Foundation System Used

*4 points for R-10 minimum or equivalent*

Compliance: Inspected (Plan Check & Foundation)

3.10.2 Recycled Content Insulated Concrete Foundation

*4 points*

Compliance: Inspected (Plan Check & Foundation)

3.10.3 Frost-protected Shallow Foundation

*4 points*

Compliance: Inspected (Plan Check & Foundation)

3.10.4 Western Coal Fly Ash Concrete

*3 points*

Compliance: Inspected (Plan Check & Foundation)

3.10.5 Non-asphalt Based Damp Proofing

*2 point*

Compliance: Inspected (Plan Check & Foundation)

3.10.6 Non-solvent Based Foundation Waterproofing

*2 points*

Compliance: Inspected (Plan Check & Foundation)

**3.11 STRUCTURAL FRAME**

3.11.1-2 Structural Insulated Panels (SIPS)

3.11.1 WALLS - *1 point per 25% for walls (maximum 4 points)*

3.11.12 ROOF - *1 point per 25% for roof (maximum 4 points)*

Compliance: Inspected (Plan Review & Frame)

3.11.3 Factory Built or Panelized Construction

*4 points*

Compliance: Inspected (Plan Review & Frame)

3.11.4 Finger-jointed Plate Material

*2 points*

Compliance: Inspected (Plan Review & Frame)

3.11.5 Low-Toxic OSB Wall Sheathing

*2 points*

Compliance: Inspected (Plan Review & Frame)

3.11.6 Recycled Content Wall Sheathing

*2 points*

Compliance: Inspected (Plan Review & Frame)

3.11.7 Finger-jointed Studs

*3 points*

Compliance: Inspected (Plan Review & Frame)

3.11.8 Use of Locally Produced Beams, Studs, Lumber

*1 point per 10% (10 points maximum)*

Compliance: Inspected (Plan Review & Frame)

3.11.9 Reclaimed Structural Materials

*1 point per 10% (10 points maximum)*

Compliance: Inspected (Plan Review & Frame)

3.11.10 Recycled Content Deck Material

*3 points*

Compliance: Inspected (Plan Review & Frame)

3.11.11 Renewable (FSC or other) Deck Material

*3 points*

Compliance: Inspected (Plan Review & Frame)

3.11.12 Optimal Value Engineering (OVE) Framing

*Refer to Resource Guide for details.*

*4 points*

Compliance: Inspected (Plan Review & Frame)

3.11.13 Salvaged or Reclaimed Deck Material (75% or more)

*3 points*

Compliance: Inspected (Plan Review & Frame)

**3.12 SUB FLOOR**

3.12.1 OSB in Sub Floor

*3 points*

Compliance: Inspected (Plan Review & Frame)

3.12.2 Low-Toxic OSB in Sub Floor

*1 point*

Compliance: Inspected (Plan Review & Frame)

**3.13 WINDOWS & DOORS**

3.13.1 Lower U-values on Windows and Doors:

All Windows & Doors Lower than 0.35 U-value:

*6 points per 0.05 less than above value – 24 maximum*

Compliance: Inspected (Plan Review & Insulation)

3.13.2 Use of Salvaged, Reclaimed Doors (75% of total doors)

*4 points*

Compliance: Inspected (Plan Review & Final)

3.13.3 Use of Salvaged, Reclaimed Windows (50% of total; must meet mandatory measures)

*4 points*

Compliance: Inspected (Plan Review & Insulation)

3.13.4 All doors made from Renewable (FSC or Other) Wood

*2 points*

Compliance: Inspected (Plan Review & Final)

3.13.5 All windows made from Renewable (FSC or Other) Wood

*2 points*

Compliance: Inspected (Plan Review & Insulation)

**3.14 ROOF**

3.14.1 Recycled Content Roofing Material with Minimum 50 Year Life

*3 points*

Compliance: Inspected (Plan Check & Final)

3.14.2 Roof with Minimum 50 Year Life or Greater

*3 points*

Compliance: Inspected (Plan Check & Final)

**3.15 WALL FINISHES**

3.15.1 Fiber Cement Siding on 50% or more of Exterior Wall

*3 points*

Compliance: Inspected (Plan Review & Final)

3.15.2 Recycled Content or Reclaimed Wood Siding (50% or more)

*3 points*

Compliance: Inspected (Plan Review & Final)

3.15.3 Low VOC or Low Toxic Paint/Stain Used for 75% or more

*4 points*

Compliance: Inspected (Plan Review & Final)

3.15.4 Natural Clay Used

*2 points*

Compliance: Inspected (Plan Review & Final)

3.15.5 Locally Produced Trim

*1 point per 25% (4 points maximum)*

Compliance: Inspected (Plan Review & Final)

**3.16 FLOOR FINISHES**

3.16.1 Wood Flooring from Reused/Reclaimed/Remilled Sources

*1 point per 25% (4 points maximum)*

Compliance: Inspected (Plan Review & Final)

3.16.2 Wood Flooring from Local Source

*1 point per 25% (4 points maximum)*

Compliance: Inspected (Plan Review & Final)

- 3.16.3 Wood Flooring from Renewable Sources (FSC or Other)  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.16.4 Ceramic Tile is Recycled Content  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.16.5 Ceramic Tile is Reclaimed Material  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.16.6 Bamboo Flooring is Used in Place of Hardwood  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.16.7 Cork Flooring is Used in Place of Hardwood  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.16.8 Natural Fiber Carpet Used in Place of Synthetic  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.16.9 Natural Linoleum is Used in Place of Vinyl  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.16.10 Recycled-Content Carpet is Used  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.16.11 Recycled-Content or Natural-Fiber Carpet Padding is Used  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.16.12 Replaceable Carpet Squares Used in High Traffic Areas  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.16.13 Stone, Granite, or Concrete Used in Floors  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.16.14 Solvent-Free or Low-Toxic Construction Adhesive is Used  
*2 points*  
Compliance: Inspected (Plan Review & Final)

3.16.15 Solvent-Free or Low-Toxic Wood Finishes Used

*2 points*

Compliance: Inspected (Plan Review & Final)

**3.17 CABINETRY & OTHER FINISHES**

3.17.1 Recycled Wood Particleboard for Cabinets

*1 point per 25% (4 points maximum)*

Compliance: Inspected (Plan Review & Final)

3.17.2 Recycled Wood Particleboard for Shelving/Countertops

*1 point per 25% (4 points maximum)*

Compliance: Inspected (Plan Review & Final)

3.17.3 Agricultural Waste Particleboard for Cabinets

*1 point per 25% (4 points maximum)*

Compliance: Inspected (Plan Review & Final)

3.17.4 Agricultural Waste Particleboard for Shelving/Countertops

*1 point per 25% (4 points maximum)*

Compliance: Inspected (Plan Review & Final)

3.17.5 Formaldehyde-free Particleboard/MDF for Cabinets

*2 points*

Compliance: Inspected (Plan Review & Final)

3.17.6 Formaldehyde-free Particleboard/MDF for Shelving/Countertops

*2 points*

Compliance: Inspected (Plan Review & Final)

3.17.7 All Exposed Particleboard is sealed with Low-VOC or water-based sealer

*1 point*

Compliance: Inspected (Plan Review & Final)

3.17.8 Solvent-Free or Low-Toxic Wood Finishes Used

*2 points*

Compliance: Inspected (Plan Review & Final)

3.17.9 NO Particleboard or MDF with Urea-Formaldehyde Used Inside Building Envelope

*2 points*

Compliance: Inspected (Plan Review & Final)

3.17.10 Cabinets made from Renewable Fiber

*1 point per 25% (4 points maximum)*

Compliance: Inspected (Plan Review & Final)

3.17.11 Cabinets made from Renewable Lumber (FSC or Other)

*1 point per 25% (4 points maximum)*

Compliance: Inspected (Plan Review & Final)

- 3.17.12 Countertops made from Renewable Fiber  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.17.13 Reclaimed Tile on Countertops and Walls  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.17.14 Recycled Content Tiles on Walls and/or Countertops  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.17.15 Locally Sourced Wood Used in Countertops or Other Finishes  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.17.16 Reclaimed/Reused Cabinets or Fixtures  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)
- 3.17.17 Stone, Granite, or Concrete Countertops Used  
*1 point per 25% (4 points maximum)*  
Compliance: Inspected (Plan Review & Final)

### **3.18 WATER EFFICIENCY**

- 3.18.1 Dual-flush or other Water-Saving Toilets Installed  
*1 point per 25% of total*  
Compliance: Inspected (Plan Review & Final)
- 3.18.2 Drip irrigation installed  
*2 points*  
Compliance: Inspected (Plan Review & Final)
- 3.18.3 Engineered or Vegetated Swales Installed to Filter Storm Water  
*1 point*  
Compliance: Inspected (Plan Review & Final)
- 3.18.4 Grey Water Used for Irrigation  
*2 points*  
Compliance: Inspected (Plan Review & Final)
- 3.18.5 Native Plants from Building Site Saved and Replanted  
*2 points*  
Compliance: Inspected (Plan Review & Final)

### **3.19 INDOOR ENVIRONMENTAL QUALITY**

#### 3.19.1 Radon Mitigation System Installed

*2 points*

Compliance: Inspected (Plan Review & Final)

#### 3.19.2 Rough-in for Radon Mitigation System

*1 point*

Compliance: Inspected (Plan Check & Frame)

#### 3.19.3 Mechanical Ventilation System Installed (15 cfm per person of outside air)

*2 points*

Compliance: Inspected (Plan Check & Frame)

#### 3.19.4 Install HEPA filter sized for whole house

*1 point*

Compliance: Inspected (Plan Review & Final)

#### 3.19.5 Furnace and/or Dust-mounted Air Cleaner Meeting ASHRAE 52.2

*1 point*

Compliance: Inspected (Plan Check & Final)

#### 3.19.6 Exhaust Fan in Garage on Timer; or Wired to Door Opener or CO sensor

*1 point*

Compliance: Inspected (Plan Check & Frame)

#### 3.19.7 One Hard-wired Carbon Monoxide Filter Installed

*1 point*

Compliance: Inspected (Plan Check & Frame)

#### 3.19.8 Range Hood Vented to Outside

*1 point*

Compliance: Inspected (Plan Check & Final)

#### 3.19.9 Permanent Mat or Snow Grate at Main Entrance(s)

*1 point per door (2 maximum)*

Compliance: Inspected (Plan Check & Final)

### **3.20 INNOVATION POINTS**

#### 3.21.1 Innovative Product

*Points TBD; see below*

#### 3.21.2 Innovative Design

*Points TBD; see below*

#### 3.21.3 New Technology

*Points TBD; see below*

### **Innovative Product, Design or New Technology**

The Sustainable Building Technical Advisory Panel will determine point values for new products or practices. To be included in the resource guide and obtain points, a product or practice must meet one or more of the following criteria: reduce waste during demolition, construction, or operation; conserve energy or water; reduce the use of toxic materials in the manufacture and use of a product; contribute to a healthier indoor environment; encourage the marketplace to develop new products; support the use of renewable energy and resources.

**PLEASE REFER TO THE INTERPRETATION PROCESS DESCRIPTION AT THE BEGINNING OF THIS DOCUMENT (page 3) for directions on how to apply for Innovation Points.**

The Technical Advisory Panel will consider new technologies and allowances as needed. A builder or owner can petition the Technical Advisory Panel for higher point values, innovative building or design techniques, and special circumstances. The Panel can be contacted at [building@highcountryconservation.org](mailto:building@highcountryconservation.org) or (970) 668-5703.