

Sustainability-Residential-Menu Requirements for Permit/Plan Submission Addendum

Applicability: All new habitable structures and additions equaling over 25% of the original structure's square footage. For additions, sustainability is only required for that (new) portion of the building.

Points Required: Applicants for additions must achieve a minimum of 15 points from the below menu, and applicants for new construction must achieve 25 points total from the below menu. If the Energy Star option is selected, the remaining ten points must come from categories other than the energy conservation category.

Three menu categories required: All applicants must achieve at least one point from three out of four menu categories. Applicants will also receive point credits for menu items installed within the previous ten years if such improvements are in place on the day of the application and that such improvements have not been used as a basis for points on prior applications.

Menu-Section 18.24.040

	Menu Item	Points	Documentation Required	Explanation of Compliance and Points Requested
Water-Indoor/Outdoor				
1.	Plant xeric landscaping. One point per 20 percent of lot area, exclusive of paving or built areas, shall be landscaped with xeric materials.	1-5	Show a landscape plan with plant list on a site plan.	
2.	A high-efficiency irrigation system - Drip or sub-surface system.	3	Show irrigation system details on site plans.	
3.	A high-efficiency irrigation system - Rain sensor system.	1	Show irrigation system details on site plans.	
4.	Porous surfaces: For driveway, sidewalk, or patio areas. Porous asphalt or cement, grass pavers. Three points per category, maximum ten.	3-10	Show material type on a site plan.	

	Menu Item	Points	Documentation Required	Explanation of Compliance and Points Requested
5.	Install toilets or faucets certified by EPA Water Sense or dual flush toilets. Two points per category.	2-4	Proof of purchase.	
6.	Reduce heat islands: Locate trees to provide shade for paved areas. One point per minimum 2½-inch caliper tree listed on Golden Recommended Tree List.	1-5	Show tree count and location on site plan.	
7.	Reduce heat islands: Install heat reflective roof materials. Metal, high albedo (light colored) or minimum 29 SRI (Solar Reflective Index) roofing materials qualify.	4	List roofing materials and SRI rating on site plan.	
Energy Conservation				
1.	Achieve energy star certification for new homes	15	Submit qualifying HERS rating with building permit application. Submit Energy Star certificate prior to issuance of certificate of occupancy.	
2.	Credit for existing home energy efficiency performance. Five points to achieve minimum 85 HERS rating for existing structure. For every ten-point reduction thereafter, one point each.	5-10	Submit qualifying HERS report with building permit application.	
3.	Install efficient hot water system (e.g. tankless) or recirculating line. One point per system/household unit.	1-2	Provide product brochure and show on site plan drawings.	
4.	Install efficient heating system. Install furnace meeting 95 percent AFUE (Annual Fuel Utilization Efficiency) or greater.	5	Provide product brochure and show on site plan drawings.	
5.	Install efficient cooling system such as evaporative cooler or whole house fan.	2	Provide product brochure and show on site plan drawings.	

	Menu Item	Points	Documentation Required	Explanation of Compliance and Points Requested
6.	Install heat-based geothermal system.	10	Provide product brochure and show on site plan drawings.	
7.	Enhanced insulation. Exceeds R-value requirements of IECC by five percent. Points allowed for separate systems: walls, ceiling, and slab insulation. One point for each five percent increase, maximum five.	1-5	Verification through RESCheck model as required by permit process.	
8.	Efficient windows. Windows that meet no more than 80 percent of the code maximum u-value allowable.	3	Provide product brochure and list on site plan drawings.	
9.	Insulate ducts, seal ducts, or insulate pipes. Minimum R-6 for ducts, R-3 for pipes, minimum 25 linear feet. One point each, maximum three.	1-3	Show on site plan drawings.	
10.	Renewable energy system. Install any renewable energy system allowed by zoning code (e.g. solar photovoltaic, solar thermal, geothermal heat pump).	7	Show on site plan drawings.	
Materials and Resources				
1.	Efficient framing techniques (e.g. structurally insulated panels, greater than 16 inches on center spacing of stud, ceiling joist, use single top plates on non-load-bearing walls). One point per category.	1-4	Verified through submitted building plan drawings.	
2.	Products certified as recycled content, reclaimed, regional, or rapidly renewable. One point per category or per five percent of materials valuation, maximum ten points.	1-10	Documentation showing totals of receipts versus total material valuation as reported in approved building permit.	

	Menu Item	Points	Documentation Required	Explanation of Compliance and Points Requested
3.	Documented diversion rate of construction waste for recycling. One point per five percent diverted to recycle center, maximum ten points.	1-5	Show% diverted out of total in terms of volume (cubic yards) or pounds. Document with photos and/or receipts from receiving entity.	
Innovation Points				
1.	The Director may reward applicants for sustainable design elements not covered by this menu. Consideration will be given for scale, historic preservation, degree of difficulty, efficiency or innovation, and points will be awarded at the discretion of the director.	Varies	Documentation requirement shall be tailored to proposed plan.	
2.	Passive solar design. Design the structure to optimize the potential for passive solar gain, which includes orienting the primary building axis east-west, proper use of shade, landscaping to reduce cooling loads, careful window placement, enhanced insulation, and thermal mass construction.	1-8	Documentation requirement shall be tailored to proposed plan.	

Applicant Summary of Menu Points	
Menu Point Items	Points Requested
Water Indoor/Outdoor	
Energy Conservation	
Materials and Resources	
Innovation Points	
Total Points:	