

# SUSTAINABILITY CHECKLIST

## Instructions

1. Figure out how many points you need based on UDC Section 50-29:
  - Residential development with 3-29 units: 3 points.
  - Residential development with 30 or more units: 4 points.
  - Non-residential development with 10,000 to 25,000 sq. ft: 3 points.
  - Non-residential development with a total square footage of more than 25,000 sq. ft: 4 points.
2. Write the number of points in the Points Earned column for those items your project will include.
3. The responsible Minnesota licensed architect or engineer shall prepare a Sustainability Summary which includes the following:
  - A detailed narrative description of each menu item used to earn points for the project.
  - Clear references to the location within the construction documents (plans, specifications, or other documents) where each item is addressed (sheet, page, detail, etc.)
  - A statement that the plans, specifications and construction documents provide compliance with the items used to earn points for the project.
  - Certification by the licensed architect or engineer.
4. Attach any documentation required for those items
5. For those items indicated with 'x' in the menu table, complete the table with name, firm or licensing and signature of special inspector.
6. Enter the total points for your project on the last page of the worksheet.
7. **The architect or engineer for the project and the owner must sign and date this checklist and special inspection program.**

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

Item	Points Available	Points Earned	Documentation Needed	Name of Special Inspector	Inspection Firm or MN license	Signature of Special Inspector
<b>LOCATION</b>						
Development on previously used or developed land that is contaminated with waste or pollution (brownfield site)	1.50		Geotechnical Report			
Development on previously used or developed land that is not contaminated (site re-use)	0.75					
Development on a previously undeveloped site that is located immediately adjacent to existing city roadway and utility infrastructure	0.25					
<b>ENERGY EFFICIENCY</b>						
Meet ASHRAE standard 189.1 (Section 7.4.2) for building envelope design <sup>[1]</sup>	1.50		x			
Meet ASHRAE standard 189.1 (Section 7.4.6) for	0.75		x			

lighting <sup>[1]</sup>						
Meet ASHRAE standard 189.1 (Section 7.4.3) for HVAC equipment <sup>[1]</sup>	0.75		x			
Meet Energy Star standards for low rise residential or exceed ASHRAE 90.1-2004 energy efficiency standards by 15%. <sup>[2]</sup>	1.00		x			
<b>ALTERNATIVE ENERGY</b>						
Generate or acquire a minimum of 15% of the electricity needed by the development from alternative energy sources (solar, wind, etc)	1.00		x			
Install solar panels on a minimum of 15% of homes dwelling units contained in one-family, two-family, or townhouse dwellings	0.75		x			
Pre-wire a minimum of 10% of residential dwelling units for solar panels	0.25		x			
Install solar panels on primary structure, or at least 50% of buildings in a multi-building complex	0.75		x			
<b>PASSIVE SOLAR</b>						
A minimum of 20% of residential dwelling units or lots are oriented within 20% of east-west for maximum passive solar exposure	1.00					
At least 20% of non-residential buildings have one longer axis oriented east-west for maximum solar exposure	1.00					
<b>WATER</b>						
Install a "cool roof" or green vegetated roof on the primary structure, or at least 50% of primary buildings in a multi-building complex. Cool roofs shall have a Solar Reflectance Index of 78 for flat roofs or 29 for roofs with a slope greater than 2:12. Green or vegetated roofs shall include vegetation on at least 50% of the roof area (25% for renovated buildings) and shall use only plant materials permitted by the landscaping standards in Section 50-25	2.00		x			
Meet ASHRAE standard 189.1 (Section 6.3.1) for site water use reduction <sup>[1]</sup>	0.75		x			
Meet ASHRAE standard 189.1 (Section 6.3.2) for building water use reduction <sup>[1]</sup>	0.50		x			
<b>VEGETATION</b>						
Retain at least 20% of existing pre-development natural vegetation	0.75		x			

Turf grass is limited to 40% of the landscaped area.	0.25		x			
<b>URBAN AGRICULTURE</b>						
A fenced, centrally located community garden space is provided for residents and for urban gardening purposes at a ratio of 50 sq. ft. per dwelling unit as part of the overall landscape plan	1.00		x			
A minimum of one on-site composting station is provided for every 25 units	0.25		x			
<b>TRANSPORTATION</b>						
Source a minimum of 20% by cost of construction materials from recycled products or products manufactured, extracted, harvested, or recovered within 250 miles of the site	1.50					
A minimum of 1% of required automobile parking spaces are signed and reserved for hybrid/electric/low energy vehicles in preferred locations near the primary building entrance	0.25		x			
<b>TOTAL POINTS</b>						

Signature below signifies that the items indicated as part of the project will be included in the final construction of the project and maintained on an ongoing basis as a continuing part of the development and that, for the items indicated, special inspection will be by a third party inspector who will submit a report of special inspection for each item prior to approval of Certificate of Occupancy.

Signature of Permit Applicant

\_\_\_\_\_

Date \_\_\_\_\_

Signature of Owner

\_\_\_\_\_

Date \_\_\_\_\_