



PROJECT TYPE: INSTITUTIONAL

June 2011

Date: \_\_\_\_\_

Project Address: \_\_\_\_\_

Rezoning or Development Permit Number: \_\_\_\_\_

Short Description of Project: \_\_\_\_\_

### Categories

Environment Page 1

Social & Cultural Page 6

Economic Page 8

Environment		Subject Area	APPLICANT		STAFF		
			Score	Explanation	Score	Comments	
REQUIRED	1	Incorporates <b>4-stream recycling collection facilities</b> (newsprint, paper, containers, organics) in a secure common area.  <i>EARLY STAGE</i>	Waste & Materials	/2		/2	
	2	Includes a plan for <b>construction waste disposal</b> , specifying what percent of materials to be recycled. <i>See Metro Vancouver's DLC Waste Management Toolkit.</i>  <b>Recommended:</b> <i>60% of waste for demolition (by weight)</i> <i>80% of waste for construction (by weight)</i>	Waste & Materials	/1	Recycled material: = _____ % of demolition = _____ % of construction	/1	

Environment			Subject Area	APPLICANT		STAFF	
				Score	Explanation	Score	Comments
REQUIRED	3	Uses construction techniques which <b>minimize site disturbance</b> (sedimentation & erosion) during the development phase.  <i>See specifications in the City's Building Permit Requirement Package.</i>	Stormwater	/1		/1	
	4	Provides for stormwater retention & evaporation, and groundwater treatment & recharge in the <b>stormwater management plan</b> .  <i>See Metro Vancouver's Stormwater Source Control Design Guidelines.</i>	Stormwater	/3		/3	
REQUIRED	5	Uses <b>drought-tolerant</b> landscaping and/or <b>high-efficiency</b> or <b>captured rainwater</b> irrigation systems.	Stormwater	/1		/1	
	6	Provides plants and staked trees in accordance with the <b>BC Landscape Standard</b> .	Habitat	/1		/1	
REQUIRED	7	Uses <b>energy-efficient lighting</b> .	Energy Efficiency	/1		/1	
	8	Provides <b>EnergyStar-rated</b> commercial food service or other applicable equipment.  <i>See <a href="http://www.energystar.gov">www.energystar.gov</a> under 'Products'.</i>	Energy Efficiency	/1	Detail type of appliance:	/1	
	9	Uses low-VOC (volatile organic compound) products such as <b>paints, carpeting</b> and <b>adhesives</b> to improve indoor air quality.  <b>EARLY STAGE</b>	Waste & Materials	/1		/1	
	10	Achieves a <b>recognized industry standard</b> for energy efficiency or sustainable design, such as LEED; BuiltGreen Gold; BC Hydro PowerSmart Gold; Energuide 82; or performance 25% better than the Model National Energy Code.	Building Rating	/8		/8	

Environment		Subject Area	APPLICANT		STAFF	
			Score	Explanation	Score	Comments
11	<p>Provides open <b>greenspace</b> and <b>other greened features</b>, including landscaped common areas and walkways to green the built environment.</p> <p>Provides space for <b>growing food</b> in common areas (i.e. at-grade gardens or raised planters).</p> <p style="text-align: center;"><b>EARLY STAGE</b></p>	Habitat	/3		/3	
12	<p>Retains <b>sound original trees</b> and landscape features or provides a net gain in tree canopy and landscaped area.</p> <p style="text-align: center;"><b>EARLY STAGE</b></p> <p><i>See specifications in the City's Building Permit Requirement Package.</i></p>	Habitat	/2		/2	
13	<p>Maximizes use of <b>passive solar design</b> to reduce excessive heat loss/heat gain and reduce energy consumption.</p> <p style="text-align: center;"><b>EARLY STAGE</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Sites/masses buildings to <b>maximize natural lighting</b> on sides with limited sun.</li> <li>• Provides operable windows on two sides of units to allow <b>cross-ventilation</b>.</li> <li>• Uses <b>landscaping &amp; deciduous trees</b> to limit summertime solar gain &amp; maximize wintertime solar access.</li> <li>• Limits overall <b>amount of exterior glazing</b> to minimize seasonal heat loss/heat gain. <ul style="list-style-type: none"> <li>• If possible, state the glazed area % of envelope = _____%</li> <li><b>Recommended: Below 60%</b></li> </ul> </li> <li>• Uses exterior <b>window shading devices</b> to limit excessive solar heat gain.</li> <li>• Uses high albedo ("<b>white roof</b>") roofing material to limit heat gain/heat island effect.</li> </ul>	Energy Efficiency	/4		/4	

Environment		Subject Area	APPLICANT		STAFF	
			Score	Explanation	Score	Comments
14	Achieves <b>building energy performance</b> above Building Code requirements.  <i>EARLY STAGE</i>	Energy Efficiency	/4		/4	
15	Incorporates <b>alternative energy systems</b> , such as geo-exchange, solar, or district energy.  Example: Solar or geo-exchange systems for building <b>hot water heating</b> . <i>EARLY STAGE</i>	Alternative Energy	/4	Specify % of energy provided:	/4	
16	Provides <b>end-of-trip bicycle facilities</b> as per City policy (Appendix A).  <i>EARLY STAGE</i>	Transportation	/1		/1	
17	Incorporates use of <b>recycled and/or salvaged</b> materials, including those salvaged from on-site or off-site heritage buildings.  Facilitates salvaging of <b>on-site heritage materials</b> by contractors or persons/groups with a heritage interest.  <b>Recommended:</b> Recycled-- minimum 7.5%* Salvaged/Refurbished-- minimum 10%*.  <i>*% of total building material cost. Note also that heritage lumber/siding must be graded.</i>	Waste & Materials	/2	Specify % of material:	/2	
18	Incorporates <b>landscaped roofs</b> on concrete buildings to improve building energy efficiency, reduce heat island effect & stormwater runoff, and create habitat & biodiversity.	Stormwater & Habitat	/3		/3	
19	Provides 20 cm (8 in) of <b>topsoil</b> as finished grading for groundwater recharge and stormwater retention/evaporation.	Stormwater	/1		/1	

Environment		Subject Area	APPLICANT		STAFF		
			Score	Explanation	Score	Comments	
20	Reuses existing topsoil and other soils through on-site or nearby storage and topsoil screening or other related practices.	Stormwater	/1		/1		
21	Removes invasive species* and incorporates native or adaptive species which provide <b>multi-storey habitat</b> (groundcover, shrubs & trees).  <i>*Defined by Invasive Plant Council of BC www.invasiveplantcouncilbc.ca</i>	Habitat	/1		/1		
22	In wood-frame buildings, incorporates <b>high-efficiency HVAC</b> systems (heat recovery systems, variable speed fans, etc.).	Energy Efficiency	/2		/2		
23	<b>INNOVATION—</b> ENVIRONMENTAL SUSTAINABILITY ASPECTS NOT CAPTURED ABOVE:						
24	<b>CONSTRAINTS—</b> UNIQUE SITE ASPECTS WHICH LIMIT SUSTAINABILITY ACHIEVEMENT:						
<b>TOTAL SCORE: ENVIRONMENTAL ITEMS</b>			<b>/48</b>		<b>/48</b>		

Social & Cultural		Subject Area	APPLICANT		STAFF	
			Score	Explanation	Score	Comments
25	Provides long-term market or non-market rental units.  <i>EARLY STAGE</i>	Housing	/5		/5	
26	Includes institutional <b>barrier-free design</b> features beyond the Building Code.  Examples: Features for employees and clients; accessible buildings, rooms and tenant improvements; visitability features for persons with impairments, parents with strollers, etc.  <i>EARLY STAGE</i>	Accessibility	/3		/3	
27	Includes a professional <b>heritage conservation plan</b> .  Achieves a <b>recognized industry standard*</b> for heritage conservation. <i>EARLY STAGE</i>  <i>*Defined in "Standards &amp; Guidelines for the Conservation of Historic Places in Canada". See <a href="http://www.historicplaces.ca">www.historicplaces.ca</a></i>	Heritage	/4		/4	
28	Includes <b>reuse of an existing heritage structure</b> through restoration or rehabilitation. May include re-location.  <i>EARLY STAGE</i>	Heritage	/2		/2	
29	Includes <b>references</b> to historic site or neighbourhood character or history in the proposed architecture and/or land use. 1  Integrates authentic and existing <b>heritage features</b> such as signs, garden walls, gates, sidewalks, and/or heritage trees/landscaping.  <i>EARLY STAGE</i>	Heritage	/2		/2	

Social & Cultural		Subject Area	APPLICANT		STAFF		
			Score	Explanation	Score	Comments	
30	Provides <b>public amenities</b> above City voluntary amenity contribution policy (check all that apply): <i>EARLY STAGE</i> a) Child care facility b) Communal gardens c) Play areas d) Public art e) Public gathering place  f) Other _____	Amenities	/4		/4		
31	Provides <b>private amenities</b> (check all that apply): <i>EARLY STAGE</i> a) Accessible green roof b) Play areas c) Social gathering place  d) Other _____	Amenities	/2		/2		
32	<b>INNOVATION—</b> SOCIAL/CULTURAL SUSTAINABILITY ASPECTS NOT CAPTURED ABOVE:						
33	<b>CONSTRAINTS—</b> UNIQUE SITE ASPECTS WHICH LIMIT SUSTAINABILITY ACHIEVEMENT:						
<b>TOTAL SCORE:</b> <b>SOCIAL &amp; CULTURAL ITEMS</b>			/22		/22		

Economic		Subject Area	APPLICANT		STAFF	
			Score	Explanation	Score	Comments
34	Maximizes Official Community Plan potential for <b>long-term job creation</b> on site.  <i>EARLY STAGE</i>	Employment	/6		/6	
35	Results in net increase in the City's <b>property tax base</b> .	Employment	/4		/4	
36	Creates <b>more intensive use of land</b> that supports local businesses.  <i>EARLY STAGE</i>	Land Use	/2		/2	
37	Redevelops a contaminated <b>brownfield</b> site.  <i>EARLY STAGE</i>	Land Use	/4		/4	



Economic		Subject Area	APPLICANT		STAFF	
			Score	Explanation	Score	Comments
38	<p>Supports and/or is compatible with the <b>ongoing viability of surrounding</b> existing commercial or industrial employers.</p> <p>Supports <b>walking to shops &amp; services</b> by strengthening an existing/planned neighbourhood centre or broadening its current retail/service mix.</p> <p><i>EARLY STAGE</i></p>	Land Use	/3		/3	
39	<p>Provides <b>office floorspace</b>.</p> <p><i>EARLY STAGE</i></p>	Employment	/4		/4	
40	<p>Serves or supports a <b>regional destination</b> institutional function such as health care, education or justice services.</p> <p><i>EARLY STAGE</i></p>	Employment	/3		/3	

Economic		Subject Area	APPLICANT		STAFF	
			Score	Explanation	Score	Comments
41	<b>INNOVATION—</b> ECONOMIC SUSTAINABILITY ASPECTS NOT CAPTURED ABOVE:					
42	<b>CONSTRAINTS—</b> UNIQUE SITE ASPECTS WHICH LIMIT SUSTAINABILITY ACHIEVEMENT:					
	<b>TOTAL SCORE: ECONOMIC ITEMS</b>		/26		/26	

# APPENDIX A

## BICYCLE END-OF-TRIP FACILITIES POLICY (Adopted Oct 27, 2008)

### 1.0 Intent:

The provision of end-of-trip bicycle parking facilities for every new development or an addition to a development in New Westminster which results in a requirement of four or more bicycle parking spaces in accordance with the New Westminster Zoning Bylaw.

### 2.0 Implementation:

End-of-trip bicycle parking facilities required in accordance with the above Intent shall be required as a condition of approval of rezonings.

The provision of end-of-trip bicycle parking facilities in accordance with the above 'intent' will be strongly encouraged by the City of New Westminster where a project does not require rezoning. The provision of end-of-trip bicycle parking facilities will be included in the City's Smart Growth Checklist and will be considered when determining if a project has sufficiently addressed the need to develop in a sustainable manner.

### 3.0 End-of-Trip Facility Standards

Required Number of Class A Bicycle Spaces	Minimum Number For Each Gender		
	Water Closets	Wash Basins	Showers
0-3	0	0	0
4-29	1	1	1
30-64	2	1	2
65-94	3	2	3
95-129	4	2	4
130-159	5	3	5
160-194	6	3	6
Over 194	6 plus 1 for each additional 30 bicycle spaces or part thereof	3 plus 1 for each additional 30 bicycle spaces or part thereof	6 plus 1 for each additional 30 bicycle spaces or part thereof

Where Class "A" bicycle parking is required for non-dwelling uses, the minimum number of clothing lockers will equal 0.7 times the number of bicycle parking spaces for each gender. At least 50% of the clothing lockers should be full size (min. 18 cm. [7"] in height).