

EV1 - Environmental Recognition Criteria

Y/N

Please fill out the checklist **to apply**.

There are 3 award categories, please select which you'd like to apply for:

- 1) Single Family **Small Volume** Home Builder, less than 75 units per year
- 2) Single Family **Large Volume** Home Builder, more than 75 units per year
- 3) **Multi-Family** Home Builder

Place a "Y" in the column adjacent to the item if this is your standard 2019 specification and at least 80% of your homes are built to this specification

<u>Energy Efficiency (5 pts each)</u>	<u>Y/N</u>
Builder has an annual heating demand of 50Wh/m ² or less. <i>Please see edmonton.ca/annualheatingdemand for more information on calculating annual heating demand</i>	<input type="checkbox"/>
Builder uses energy modelling to estimate energy consumption of their homes, and to optimize design. <i>Recommended software includes Hot2000, PHPP, IES<VE>, Equest, ee4, designbuilder, etc.</i>	<input type="checkbox"/>
Builder uses Energuide to provide verification of home energy efficiency and posts the label on the City of Edmonton's sharing platform <i>The EG rating system provides a method to compare the energy efficiency of homes, old and new. Ace.edmonton.ca/energuide for info about the sharing platform.</i>	<input type="checkbox"/>
Builder uses Blower Door testing, pre-drywall, to measure and improve the air tightness of their homes and is better than 1 ACH. <i>Testing according to Standard CAN/CGSB 149.15-96 conditions.</i>	<input type="checkbox"/>
Builder's standard 2019 specification exceeds 15% better than the EnerGuide reference house. <i>Leading provincial building codes in Canada require this basic performance; builder is forward-thinking.</i>	<input type="checkbox"/>
Builder's standard 2019 specification exceeds 30% better than the EnerGuide reference house. <i>Energuide 90+ homes require very little purchase energy, typically over 80% less than a code built building.</i>	<input type="checkbox"/>
Builder has built to a third party certification <i>Net Zero Energy (CHBA), Passive House, or LEED Platinum, or BuiltGreen Platinum home, and currently offers this option to their customers</i>	<input type="checkbox"/>
Home is built Solar Ready <i>According to NRCAN Guidelines</i>	<input type="checkbox"/>
Home is built Electric Vehicle ready <i>240v plug in the vehicle parking area or certified car charging station</i>	<input type="checkbox"/>
Builder offers a renewable energy package to buyers <i>Solar PV, solar thermal, micro CHP or geoechange</i>	<input type="checkbox"/>
Section Points Achieved:	0 out of 50

<u>Indoor Air Quality (1pt each)</u>	<u>Y/N</u>
Majority of home's square footage is solid surface flooring (Tile, Hardwood, Lino)	<input type="checkbox"/>

<i>Solid surfaces are easier to clean & don't trap contaminants.</i>		
Carpet has CRI Green label	<input type="checkbox"/>	
<i>The Carpet & Rug Institute tests carpets & adhesives for VOC's and only low emitting products receive the Green Label.</i>		
Install smart thermostat that indicates the need for the air filter to be changed or cleaned.	<input type="checkbox"/>	
<i>Maintenance is key to having the furnace perform as rated.</i>		
Power vacuum all HVAC ducting prior to occupancy by homeowner.	<input type="checkbox"/>	
<i>Removes construction debris & dust from heating system, enhancing air quality</i>		
All insulation in the home is third-party certified or certified with low or zero formaldehyde.	<input type="checkbox"/>	
<i>Formaldehyde offgasses into the home and is odourless, tasteless and toxic.</i>		
Builder installs active HRV and ensures balanced installation.	<input type="checkbox"/>	
<i>HRV's ensure constant fresh air comes into the home while recovering the heat from the stale air being removed.</i>		
Builder installs a pleated media filter minimum MERV 7	<input type="checkbox"/>	
<i>Improves indoor air quality</i>		
Section Points Achieved:	0	out of 7
<u>Waste Management (1pt each)</u>		
<i>Edmonton Waste Management Services has the capacity to recycle lumber, drywall, cardboard, and concrete from construction waste</i>		
Builder Diverts/Recycles lumber from site, to Edmonton WMS	<input type="checkbox"/>	
Builder Diverts/Recycles drywall from site, to Edmonton WMS	<input type="checkbox"/>	
Builder Diverts/Recycles cardboard from site, to Edmonton WMS	<input type="checkbox"/>	
Builder Diverts/Recycles concrete from site, to Edmonton WMS	<input type="checkbox"/>	
Section Points Achieved:	0	out of 4
<u>Water Conservation (1pt each)</u>		
Builder installs ultra low flow or 4.8l (or less) flush toilets	<input type="checkbox"/>	
<i>High Efficiency Toilets (4.8l) and dual flush (3/6l) reduce water consumption and are readily available.</i>		
Builder installs low flow (1.5 gpm or less) lavatory faucets	<input type="checkbox"/>	
<i>In many cases this just involves the changing of an aerator</i>		
Builder installs low flow (1.8 gpm or less) showerhead	<input type="checkbox"/>	
<i>Low flow showerheads are designed to work with little water, but have great performance.</i>		
Builder includes rainbarrels or cisterns with home	<input type="checkbox"/>	
<i>For rain water collection in the yard.</i>		
Builder includes plumbing rough-in for future grey-water recycling system	<input type="checkbox"/>	
Section Points Achieved:	0	out of 5
<u>Other Environmental Initiatives (1pt each)</u>		
Builder installs an energy star appliance package for the home	<input type="checkbox"/>	

