

NOTE: The interpretation below represents a consensus interpretation of the NECB document as it applies to most foreseeable applications and situations. As such, it is intended to provide clarity and guidance, but may not be applicable to every condition found in projects. For highly irregular or case specific interpretation, it is recommended that applicants contact The City of Calgary, Calgary Building Services for specific interpretation

NECB 7.2.1.1.(1) Monitoring	
Code Article	<p>NECB 7.2.1.1.(1) Monitoring Electrical distribution systems whose total load-carrying capacity is greater than 250 kVA shall be designed to facilitate the installation of a means to monitor the electrical energy consumption of</p> <ul style="list-style-type: none"> a) HVAC systems, b) <i>interior lighting, and</i> c) <i>exterior lighting.</i>
Previous Direction	None
Current Direction	<p>The City of Calgary is aligned with the NECB 2011 User’s Guide and interpreting the above to mean that only those systems whose individual capacity is greater than 250 kVA need meet this requirement for a means to monitor the power consumption of that system.</p> <p>Therefore, it is not the total capacity of the electrical energy consumption of the building that triggers the requirement for a means to monitor, but rather the individual system energy consumption. For example, a building whose electrical energy consumption for the HVAC, interior lighting, and exterior lighting was 300 kVA, 250 kVA, and 100 kVA respectively would only require monitoring for those systems greater than 250 kVA. In this case, that would only be the HVAC system.</p> <p>The means to monitor requirement may be met through a number of devices available, including - but not limited to - current monitoring devices, separate metering/separate meter bases, or dedicated subpanels in the electrical system that would allow for monitoring equipment to be installed in the future.</p>
Related Articles	NECB Division B, 7.2.1.1.(2)
Effective Date	December 01, 2017

Please direct additional questions or comments to:

Justin Pockar MArch, SCO, LEED AP
 Calgary Building Services
 Planning & Development
 The City of Calgary | Mail Code: #8114
 T 403.268.2250_ | C 403.888.4681
justin.pockar@calgary.ca
 ISC: Protected