



Circular Letter No.: 2022.178

Issue Date: 13 May 2022

Application: BEAM Plus NB Version 1.1 & 1.2  
BEAM Plus Interiors Version 1.0

Effective Date: 13 May 2022

**Comprehensive Review on Performance-Based Energy Benchmarking (2022) for  
EU 1 & EU 2 under BEAM Plus New Buildings Version 1.1 & 1.2 and  
BEAM Plus Interiors Version 1.0**

1. Electrical and Mechanical Services Department (EMSD) gazetted the 2021 Edition of the Code of Practice for Energy Efficiency of Building Services Installation (BEC 2021) on 31 December 2021, with the code taking effect on 1 July 2022<sup>1</sup>. The tightened and new requirements on the four prescribed building services installations as stipulated in BEC 2021 edition are formulated based on the global development of relevant technology and energy efficiency standards to further enhance the overall energy efficiency performance of buildings and to promote continuous decarbonisation in buildings in Hong Kong<sup>2</sup>.
2. BEAM Society has always taken a proactive approach in reviewing the latest statutory requirement and the industry trend to ensure that the benchmarking criteria of our tools on energy consumption is appropriate for the industry while meeting Government's policy objective on further enhancing the energy efficiency of buildings to help combat climate change.
3. Having reviewed all relevant factors affecting the benchmarking criteria of our tool on energy consumption, this Circular Letter announces an update to the benchmarking criteria for the following projects that shall adopt BEC 2021 in the baseline energy simulation/calculation:
  - i. BEAM Plus New Buildings v1.1/1.2
    - Projects that are required to comply with BEC 2021 in a Stage One Declaration on or after 1 July 2022;
    - Projects that are required to comply with BEC 2021 in a Form of Compliance on or after 1 October 2022;
    - Projects that are NOT governed by the Buildings Energy Efficiency Ordinance (Cap. 610) [e.g. projects that are NOT under Schedule 1 nor Schedule 3 of the Buildings Energy Efficiency Ordinance (Cap. 610)] and are submitting for the first BEAM Plus assessment on or after 1 July 2022.

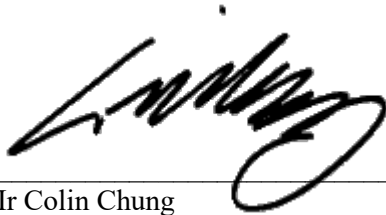
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<sup>1</sup> Government Press Releases on New editions of Code of Practice for Energy Efficiency of Building Services Installation and Code of Practice for Building Energy Audit gazetted, <https://www.info.gov.hk/gia/general/202112/31/P2021123100260.htm>

<sup>2</sup> The Buildings Energy Efficiency Ordinance (Cap. 610) Technical Circular No. 1/2021 Launch of the BEC 2021 and the EAC 2021, [https://www.emsd.gov.hk/bceo/en/pee/BEEO%20Technical%20Circular%20No.%201\\_2021.pdf](https://www.emsd.gov.hk/bceo/en/pee/BEEO%20Technical%20Circular%20No.%201_2021.pdf)

ii. BEAM Plus Interiors v1.0

- Projects that are submitting for the first BEAM Plus assessment on or after 1 October 2022.
4. **Annex A** provides the updated credit point scales for EU 1 & EU 2 under BEAM Plus New Buildings v1.1 & 1.2. **Annex B** provides the updated credit point scale for EU 1 under BEAM Plus Interiors v1.0.
5. Approved PA Projects: For projects that fall under paragraph (3) but have already completed PA with certain energy benchmarking criteria being approved, the Applicant may either continue to adopt the same energy benchmarking criteria for FA or voluntarily comply with this Technical Circular. For the avoidance of doubt, the Applicant shall provide PA evidence (e.g. extract of the PA report, documents submitted for assessment in PA, etc.) in subsequent assessments to support the intention of using the same energy benchmarking as in PA.



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Ir Colin Chung  
Chairperson of Standards Sub-committee

**Annex A –**  
**Updated credit point scales for EU 1 & EU 2**  
**under BEAM Plus New Buildings v1.1 & 1.2**

**EU 1 - Reduction of CO<sub>2</sub> Emissions**

<b>Credit</b>	<b>(a) Commercial and Hotel Buildings</b>	<b>(b) Educational Buildings</b>	<b>(c) Residential Buildings</b>	<b>(d) Other Building Types</b>
0	<1%	<1%	<1%	<1%
1	-	-	1%	-
2	-	-	2%	1%
3	1%	-	3%	2%
4	3%	1%	4%	3%
5	5%	2%	5%	4%
6	7%	4%	6%	5%
7	9%	6%	7%	6%
8	11%	7%	8%	7%
9	13%	8%	9%	8%
10	15%	10%	10%	9%
11	18%	12%	11%	11%
12	21%	14%	13%	13%
13	24%	17%	15%	15%
14	27%	21%	17%	17%
15	30%	24%	19%	19%

**EU 2 – Peak Electricity Demand Reduction**

<b>Credit</b>	<b>(a) Commercial and Hotel Buildings</b>	<b>(b) Educational and Residential Buildings</b>	<b>(c) Other Building Types</b>
0	<10%	<5%	<7%
1	10%	5%	7%
2	18%	9%	11%
3	25%	12%	14%

**Annex B –**  
**Updated credit point scale for EU 1**  
**under BEAM Plus Interiors v1.0**

**EU 1 – Energy Performance**

<b>Credit</b>	<b>HVAC&amp;R</b>	<b>Lighting - Performance-Based Approach</b>	<b>Lighting - Prescriptive-Based Approach</b>
0	<1%	<8%	<8%
1	1%	8%	8%
2	5%	13%	13%
3	9%	18%	18%
4	13%	23%	23%
5	17%	28%	28%
6	20%	33%	33%
7	-	38%	-
8	-	43%	-