



Circular Letter No.: 2022.179

Issue Date: 13 May 2022

Application: BEAM Plus NB Version 2.0

Effective Date: 13 May 2022

Comprehensive Review on Performance-Based Energy Benchmarking (2022) for EU P1, EU 2 and EU 3 Under BEAM Plus New Buildings Version 2.0

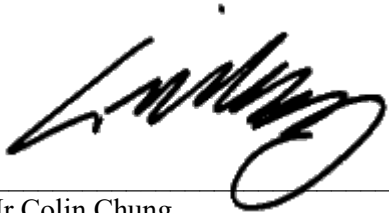
1. Electrical and Mechanical Services Department (EMSD) gazetted the 2021 Edition of the Code of Practice for Energy Efficiency of Building Services Installation (BEC 2021) on 31 December 2021, with the code taking effect on 1 July 2022¹. The tightened and new requirements on the four prescribed building 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 Kong².
2. Having reviewed all relevant factors affecting the benchmarking criteria of our tool on energy consumption, this Circular Letter announces that the following projects shall adopt BEC 2021 as the benchmarking criteria in the assessment for EU P1, EU 2 and EU 3:
 - Projects that are required to comply with BEC in a Stage One Declaration and are submitting for the first assessment submission³ on or after 1 July 2022;
 - Projects that are required to comply with BEC in a Form of Compliance and are submitting for the first assessment submission 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 assessment submission on or after 1 July 2022.
3. For EU 2 & EU 3, the update of benchmarking criteria under paragraph (2) applies to both Option 1 – Performance Path (including the modelling requirements specified in Appendix 9.2 of the BEAM Plus New Buildings Version 2.0 Manual) and Option 2 – Prescriptive Path (for Active System Design Improvement).
4. Annex A provides the updated credit point scales for EU 2 & EU 3 (Option 1 – Performance Path).
5. There is NO update on credit point scales for EU 2 & EU 3 (Option 2 – Prescriptive Path).

¹ 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>

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

³ First assessment submission refers to the date when the initial assessment is formally accepted by BSL. For example, if the project has both PA and FA, then it would be the date when BSL formally accepts the project for PA submission. If the project has only FA, then it will be the date when BSL formally accepts the project for FA submission.

6. Approved PA Projects: For projects that fall under paragraph (2) but have already completed PA (including 1st Stage PA) with certain energy benchmarking criteria being approved, the Applicant may either continue to adopt the same energy benchmarking criteria for subsequent assessments⁴ or voluntarily comply with this Technical Circular. For the avoidance of doubt, the Applicant shall provide evidence (e.g. extract of the PA/ 1st Stage PA report, documents submitted for assessment in PA/ 1st Stage PA, etc.) in subsequent assessments to support the intention of using the same energy benchmarking.



Ir Colin Chung
Chairperson of Standards Sub-committee

⁴ Subsequent assessments refer to the assessments conducted after the completion of the 1st Stage PA / PA (e.g., 2nd Stage PA, PA re-assessment, FA, etc.).

Annex A –

**Updated credit point scales for EU 2 & EU 3 Option 1 – Performance Path
under BEAM Plus New Buildings v2.0**

EU 2 - Reduction of CO₂ Emissions

Credit	Percentage of reduction of annual CO₂ emission / %
0	<1%
1	-
2	1%
3	3%
4	5%
5	7%
6	9%
7	11%
8	13%
9	15%
10	17%
10 + 1B	19%
10 + 2B	21%
10 + 3B	23%
10 + 4B	25%
10 + 5B	27%

EU 3 – Peak Electricity Demand Reduction

Credit	Percentage of reduction of peak electricity demand / %
0	<5%
1	5%
2	10%
3	15%