

5	WATER USE	5.1 WATER CONSERVATION	
		WU 5 WATER EFFICIENT APPLIANCES	
EXCLUSIONS	Buildings in which facilities and/or appliances are not installed by the developer.		1
OBJECTIVE	Encourage the wider use of water efficient facilities and appliances.		
CREDITS ATTAINABLE	1		
PREREQUISITES	None.		
CREDIT REQUIREMENT	1 credit for installing water efficient appliances that have Water Efficiency Labelling Scheme Grade 2 or above.		
ASSESSMENT	The Client shall provide details of all the appliances installed in the building.		
	Where all appliances with Water Efficiency Labelling Scheme (WELS) Grade 2 or above are provided this credit shall be achieved.		2
	The appliances which are not covered in WELS or equivalent system shall be excluded in the calculation.		3
BACKGROUND	Water use in washing machines, dishwashers in homes, in hotel laundries, etc., can be a substantial part of fresh water consumption. Likewise, there is an opportunity for reducing water loss from water features and recreational facilities. BEAM encourages attention to the selection of water efficient equipment and design of water using facilities that include means to save water.		

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Q19. EU 10b & EU 10e, For BEAM Plus New Buildings Version 1.1 & 1.2, Can a single party perform both the duties of Commissioning Authority (CxA) under EU 10b and Independent Commissioning Authority (iCxA) under EU 10e?

Q20. EU 10b, For BEAM Plus New Buildings Version 1.1 and 1.2, can a client's representative be employed as the Commissioning Authority (CxA)?

Q21. EU 10e, For BEAM Plus New Buildings Version 1.1 & 1.2, What should be submitted to demonstrate credit compliance in the Provisional Assessment (PA) stage?

Q22. EU 12, For BEAM Plus New Buildings Version 1.1 & 1.2, What are the requirements for metering and monitoring for clubhouse and carpark?

Water Use

Q1. WU P1 & WU 1, Do I need to consider the water pressure indicated in the baseline figures for different water appliances when predicting the water consumption?

Q2. WU P1, Is water sample necessary to be taken from the supply point of WSD for water quality analysis under WU P1?

Q3. WU P1, WU P2/WU 1, For BEAM Plus New Buildings / Existing Buildings Version 1.1 and 1.2, is a conceptual plumbing sketch satisfactory for PA stage?

Q4. WU 5, For BEAM Plus New Buildings Version 1.2, how is WU 5 applied to different building types?

Q5. WU 5, For BEAM Plus New Buildings Version 1.1, how is WU 5 applied to different building types?

Q6. WU 5, For BEAM Plus New Buildings Version 1.1 & 1.2, how is WU 5 applied to different building types?

The objective of this credit is to encourage the wider use of water efficient appliances in domestic premises, therefore this credit is only applicable to domestic buildings^[1] and water appliances are provided by developer.

[1] Domestic buildings shall mean domestic premises, apartment buildings, serviced apartments, university halls of residence, residential buildings, care homes, hospice, or buildings providing similar residential accommodation.

(Released on 12 July 2019)

Q7. WU 5, For BEAM Plus New Buildings Version 1.1 & 1.2, what type of appliances shall be included into the assessment of this credit?

Q8. WU 5, For BEAM Plus New Buildings Version 1.1 & 1.2, what type of washing machine would meet the credit requirement and what type of substantiations shall be provided to justify for the performances of the washing machine?

Indoor Environmental Quality

Q1. IEQ P1, How to achieve the outdoor air quality standard in local context of Hong Kong?

Q2. IEQ P1, IEQ 6 and IEQ 7, For BEAM Plus New Buildings Version 1.2, please clarify the assessment criteria under the new Indoor Air Quality (IAQ) objectives (IAQ Objective 2019) under the Indoor Air Quality Certification Scheme for Offices and Public Places

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The assessment of this credit ONLY covers washing machines that have washing capacity normally not exceeding 10 kg for household use.

Washing machines that have larger capacity or for industrial use or have no spin extraction capacity or use non-electric sources are excluded from the assessment of this credit.

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1. For horizontal drum type washing machines, the machine shall achieve water efficiency of Grade 1 or 2 or water consumption equivalent to 11.0 litre/kg/cycle or less.

2. For impeller type or agitator type washing machines, the machine shall achieve water efficiency of Grade 1 or 2 or water consumption equivalent to 19.0 litre/kg/cycle or less.

For the machine specified above, the Applicant shall substantiate the claimed water consumption performances by submitting either (i) extracted records from the registers of WELS products published by Water Supplies Department or (ii) technical data showing the claimed water consumption and the methodology used in measuring the claimed water consumption [1].

Please also note that the criteria on water use efficiency is 20% better than same capacity appliances on the market under BEAM Plus v.1.1 is no longer applicable to the credit. However, if certain calculation methodology has been approved in PA, the Technical Review Committee shall continue to honor such methodology during FA.

[1] The claimed water consumption shall be measured in accordance with IES 60456, JIS C 9606, or other equivalent international standards as stipulated under The Voluntary Water Efficiency Labelling Scheme on Washing Machines.

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