

WELL Points For HLR[®] Technology

Achieving WELL v2 Points in New Construction and Existing Buildings



Introduction

The WELL Building Standard, or WELL, is the International WELL Building Institute’s (IWBI) globally recognized building certification program that provides a framework to advance the health and well-being of building occupants. Implementing enVerid’s HVAC Load Reduction[®] (HLR[®]) solution can help buildings earn WELL points in the Air concept category.

New constructions and retrofits can incorporate HLR technology into HVAC designs to earn up to 2 preconditions and 5 optimization points in the Air concept.

HLR technology improves indoor air quality (IAQ) by cleaning and recycling indoor air, allowing better control over indoor contaminant levels while reducing outside air requirements, thereby lowering heating and cooling energy consumption.



Achieving WELL Preconditions

WELL explicitly allows project teams to utilize the ASHRAE 62.1 Indoor Air Quality Procedure (IAQP) as a methodology for complying with minimum ventilation requirements. Integrating HLR technology under the IAQP ensures that high indoor air quality is maintained for the health of occupants and that the following WELL *preconditions* can be met.

WELL Feature	Requirements		Points
A01: Fundamental Air Quality	Part 1: Meet Thresholds for Particulate Matter	PM _{2.5} less than 15 µg/m ³	Precondition
		PM ₁₀ less than 50 µg/m ³	
	Part 2: Meet Threshold for Organic gases	Formaldehyde less than 27 ppb Individual component VOCs less than or equal to the limits listed here: https://v2.wellcertified.com/v/en/air/feature/1	
Part 3: Meet Thresholds for Inorganic Gases	Carbon monoxide less than 9 ppm	Ozone less than 51 ppb	
A03: Ventilation Effectiveness	Part 1: Ensure Adequate Ventilation	Comply with ASHRAE 62.1-2010 IAQ Procedure	Precondition

<https://v2.wellcertified.com/v/en/air>

Achieving WELL Optimizations

With HLR Technology, projects can earn up to 4 points under the *Enhanced Air Quality* by meeting threshold limits without increasing ventilation.

WELL Feature	Requirements		Points
A05: Enhanced Air Quality (4 points max)	Part 1: Meet Enhanced Thresholds for Particulate Matter (2 points max)	PM _{2.5} less than 12 µg/m ³ PM ₁₀ less than 30 µg/m ³	1
		PM _{2.5} less than 10 µg/m ³ PM ₁₀ less than 20 µg/m ³	2
	Part 2: Meet Enhanced Thresholds for Organic Gases	Formaldehyde less than 13.4 ppb	1
		Benzene less than 3µg/m ³	
	Part 3: Meet Enhanced Thresholds for Inorganic Gases	Carbon monoxide less than 6 ppm	1
		Ozone less than 25 ppb	
Nitrogen less than 21 ppb			

Additionally, projects using HLR technology can earn up to 4 points by submitting an Alternative Adherence Path (AAP) on the following WELL features. Assistance on submitting an AAP is provided for free by enVerid Support.

WELL Feature	Requirements		Points
A06: Enhanced Ventilation (3 points max)	Traditional Path: Implement Demand-Controlled Ventilation (DCV)	900 ppm	1
		750 ppm	2
	AAP Path: Install HLR Technology in lieu of DCV to Regulate CO ₂ levels	Regulate CO ₂ levels at maximum occupancy below thresholds 600 ppm	3
A13: Active VOC Controls (1 point max)	Traditional Path: Implement Carbon Filtration	Remove VOCs from indoor air.	1
	AAP Path: Install HLR Technology to be equivalent or better than air quality achieved via active carbon filtration		

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enVerid is committed to improving energy efficiency and indoor air quality in buildings worldwide through its innovative, award-winning HVAC Load Reduction® (HLR®) solutions. HLR technology enables immediate capital cost savings on new HVAC systems and provides up to 40% energy savings and superior indoor air quality. Deployed in nearly 10 million ft² of commercial, academic, and government buildings, enVerid's HLR technology is ASHRAE-compliant, LEED-compliant, and eligible for utility rebates. For more information, please visit www.enverid.com.

