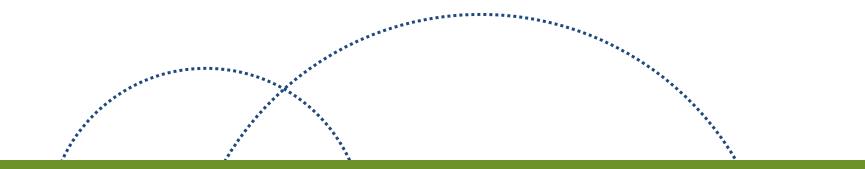
Confronting COVID-19: Healthy Building Certification Updates

Urban Land Institute | August 26, 2020





URBAN LAND INSTITUTE

Provide leadership in the responsible use of land and in creating and sustaining thriving communities worldwide

BUILDING HEALTHY PLACES

Leveraging the power of ULI's global networks to shape projects and places in ways that improve the health of people and communities

Convenings | Research | Best Practices | Education

ULI Goals

Help ULI members:

- Understand the role they can play in slowing the spread of the disease
- Gain business and planning insights for navigating the crisis
- Help promote equity and mitigate adverse impacts
- Help cities recover in ways that are equitable and enduringly resilient

www.uli.org/covid19

Disclaimer: This webinar is provided for informational and educational purposes only. The views expressed are those of the speakers/presenters and are not necessarily endorsed by or reflect the policies or positions of ULI. The information provided is not intended to constitute medical or legal advice and should not be taken as such. For specific medical advice, consult your physician, and for legal advice, consult your attorney.

ULI does not warrant the accuracy or completeness of any information provided and assumes no responsibility for any injury or damage to persons or property arising out of or related to any use of the information provided in this webinar.

Upcoming Confronting COVID-19 Webinars

~ Webinars are being recorded. A recording of this webinar will be posted on the web in Knowledge Finder and a link will be shared with registrants~

Join us for virtual Fall Meeting programming

Find information from past ULI webinars on Knowledge Finder at knowledge.uli.org

www.uli.org/covid19

health@uli.org

Speakers: Healthy Building Certification Updates



Marta Schantz (Moderator)

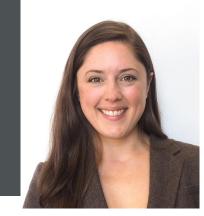
Senior Vice President

ULI Greenprint Center for Building Performance, Urban Land Institute



Joanna Frank

President & CEO Center for Active Design



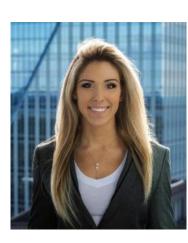
Jessica Cooper





Renee Loveland





Laura Craft Head of Global ESG Strategy Heitman

Healthy Building Certification Updates for COVID







Joanna Frank

President & CEO Center for Active Design



Fitwel's Viral Response Module

August 26, 2020 The Center for Active Design

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© Center for Active Design, 2020





FITWELCHAMPION Tishman Speyer

Industry Advisor, Fitwel Viral Response Module



CENTER FOR ACTIVE DESIGN

The Center for Active Design (CfAD) is the leading international non-profit organization that advances design strategies to foster healthy and engaged communities.

> New York, NY Photo Courtesy of Tishman Speyer

Fitwel has a vision for a healthier future where **every building** is enhanced to support the wellbeing of its occupants, and support healthy communities





Fitwel's response to the COVID 19 pandemic

There is a collective and heightened awareness of the link between health and the built environment due to COVID-19

Need for a credible, and science-based standard for the real estate industry to broadly adopt in response to stakeholders and manage risks presented by the current pandemic

> Commerce Court Photo Courtesy of Quad Real



Industry Advisor, Fitwel Viral Response Module

The Fitwel Viral Response (VR) Module

Provides annual, third-party certification of policies and practices informed by the latest public health research on mitigating the spread of infectious diseases within buildings.

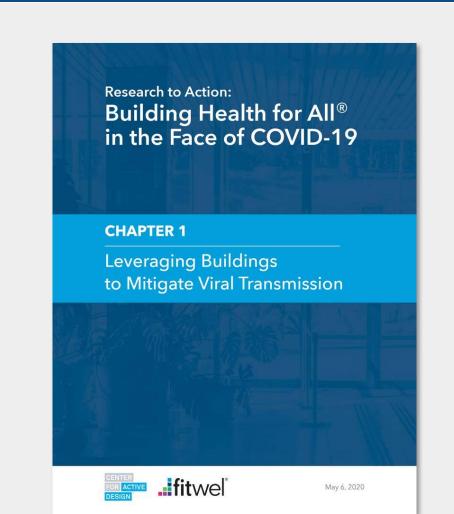
Photo Courtesy of Triovest

Module Development

The module builds upon and operationalizes **Fitwel's Research to Action** series, published in May 2020.

This publication brings together the body of evidence around mitigating viral disease including influenza and SARs, with emerging evidence related to COVID-19.

Download for free at fitwel.org



Industry Advisors

Prototyped in conjunction with eight leading companies who own, manage or lease large portfolio's of real estate, and represent a diversity of asset classes, geographies, and industries to ensure the VR module is broadly applicable and scalable



Academic Advisors

Strategies drafted in partnership with leading health experts from the fields of public health, infectious disease, mental health, and behavioral psychology

Andrew Dannenberg, University of Washington

Bon Ku, Thomas Jefferson University

Brett C. Singer, Lawrence Berkeley National Lab

David A. Turcotte, UMass Lowell

Ed Nardell, Harvard T.H. Chan School of Public Health Edith Parker, University of Iowa Elizabeth Garland, Icahn School of Medicine

Lidia Morawska, Queensland University of Technology

Piers MacNaughton, Harvard T.H. Chan School of Public Health Rachel Lynn Golden, Columbia University Irving Medical Center

Richard Vincent, Icahn School of Medicine

Setha Low, CUNY Graduate Center

Terry T-K Huang, City University of New York

The Fitwel Viral Response Module covers the following topic areas:

Enhance Indoor Environments

Encourage Behavioral Change

Build Occupant Trust

Photo Courtesy of WSP, © Alexi Hobbs

Enhance Indoor Environment

1.1 Establish an Enhanced Indoor Air Quality Policy (MR)

- 1.1.1 Establish a Humidity Control Policy (DS)
- 1.2 Establish an Enhanced Indoor Air Quality Testing and Monitoring Protocol
- 1.3 Establish a Legionella Water Management Plan
- 1.4 Establish Enhanced Cleaning, Disinfecting, & Maintenance Protocol (MR)
- 1.4.1 Establish an Enhanced Green Purchasing Policy (DS)



Encourage Behavioral Change

2.1 Establish a Plan for Surface Hygiene Stations

2.2 Establish Personal Protective Equipment (PPE) Guidelines (MR)

2.2.1 Establish a Personal Protective Equipment (PPE) Provision Plan (DS)

2.3 Support Hand Hygiene (MR)

2.4 Provide Select Educational Health Promotion Signage (MR)

2.5 Establish a Specialized Health Programming and Services Plan

2.5.1 Establish Social Support Groups (DS)



Build Occupant Trust

3.1 Establish a Contagious Disease Outbreak Preparedness Plan (MR)

- 3.1.1 Establish a Business Continuity Plan (DS)
- 3.1.2 Establish a Mental Health First Aid Responder Plan (DS)
- 3.1.3 Establish Viral Response Design Guidelines (DS)
- 3.2 Establish an Enhanced Stakeholder Engagement Plan
- 3.3 Establish a Communication Plan (MR)
- 3.4 Establish a Paid Sick leave Policy (MR)
- 3.5 Establish a Family Support Policy



Using the Fitwel Viral Response Module

The Viral Response module establishes a unique, multi-step process to help companies adopt rigorous viral, mitigation policies and practices aligned with the best available evidence to date and apply them at scale. It also serves as a natural entry point for advancing full project certification using a Fitwel Building Scorecard.



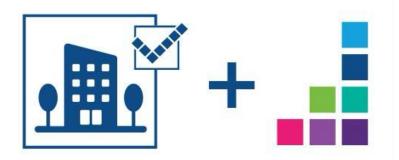
Step 1 Viral Response Certification (Entity-wide policies and practices)

Cost One-time Registration Fee: \$500 Annual Certification Fee: \$3,500



Step 2 Viral Response Approval (Asset-level)

Cost \$200 per asset



Step 3 Fitwel Building Certification (Asset-level)

Cost

Visit fitwel.org/certification for details



Industry Advisor, Fitwel Viral Response Module

Viral Response Module

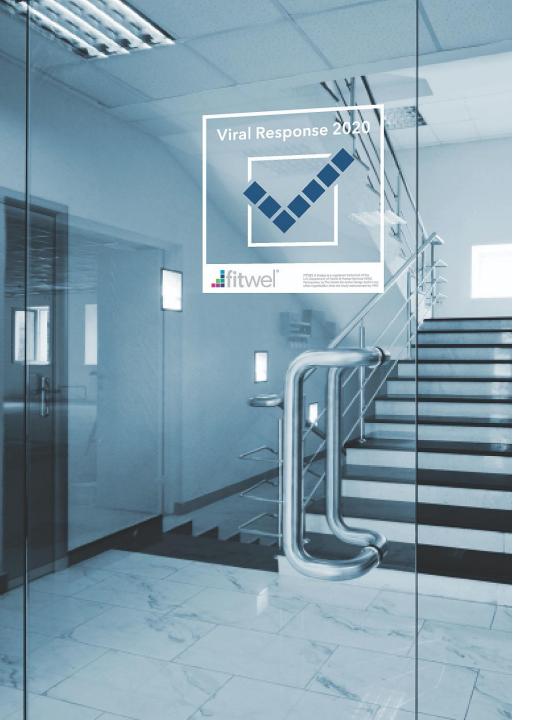
Flexible and scalable approach, allowing for use by a single asset, a diverse portfolio, or an entire company

Applicable to wide variety of commercial and residential assets

Includes Minimum Requirements to establish a consistent and multi-faceted approach

Fully integrated within Fitwel's online Portal and other Fitwel Building certifications

The Bristal at Garden City Photo Courtesy of Harrison Street



500+ enrolled for Early Access

Early access starts today August 26, 2020

ahead of the general public release in mid-September.

To sign up for early access and learn more: www.fitwel.org/viral-response-module



Jessica Cooper

Chief Commercial Office International WELL Building Institute





Prioritize health and safety in a post-COVID-19 world with the third-party verified WELL Health-Safety Rating



BETTER BUILDINGS ARE **WELL**



OUR STANDARD

The premier global standard for healthy buildings.



YOUR COMMUNITY

Join the movement with the WELL AP credential and IWBI Membership program.



EVIDENCE-BASED APPROACH TO HELP SUPPORT SPACES THAT ADVANCE HEALTH AND SAFETY

IWBI **TASK FORCE**

On COVID-19 & Other **Respiratory Infections:** Prevention and Preparedness, **Resilience and Recovery**

The genesis of the rating was feedback from the IWBI Task Force on COVID-19, a group of nearly 600 public health experts, virologists, government officials, academics, business leaders, architects, designers, building scientists and real estate professionals established in late March 2020 to inform IWBI's response to the pandemic.









INSTITUTIONAL KNOWLEDGE

Guidance on the spread of COVID-19 and other respiratory diseases developed by the World Health Organization (WHO), U.S. Centers for Disease Control and Prevention (CDC), global disease control and prevention centers, emergency management agencies, recognized standard-making associations, and leading academic and research institutions.

WELL BUILDING **STANDARD**

A sub-set of evidence-based strategies, adapted for facilities operations and management, from the WELL Building Standard

WELL **ADVISORIES**

Industry experts and researchers across the WELL Concept Advisories, the WELL Research Advisory, the WELL Advisory for Sports and Entertainment Venues, the WELL Advisory for Hotels and Resorts and the WELL Airport Advisory also provided extensive insights



The WELL Health-Safety Rating is an evidence-based, third-party verified rating focused on operational policies, maintenance protocols, emergency plans, and stakeholder education and engagement to address a post-COVID-19 environment now and broader health and safety-related issues into the future.



Cleaning & Sanitization Protocols



Emergency Preparedness Programs



Health Service Resources



Air & Water Quality Management



Stakeholder Education and Engagement

WELL HEALTH-SAFETY RATING: **REOPEN WITH CONFIDENCE**



FLEXIBLE: Applicable for large and small organizations alike across all facility types. Users can pursue the strategies that reflect their specific needs and goals, with the option to adjust their approach at each annual renewal.



SCALABLE: Provides a framework for helping organizations to efficiently develop, implement and validate health and safety protocols and plans across multiple properties with streamlined documentation pathways and scalable pricing.



VERIFIED: Anchored in third-party document review and annual verification of policies, protocols and strategies through Green Business Certification Inc. (GBCI), instilling confidence in an organization's stakeholders.



ACCESSIBLE: Priced for accessibility, with a focus on interventions that require little to no capital expenditure.

YOUR WELL HEALTH-SAFETY JOURNEY



Enroll

Review the criteria and sign up to pursue the WELL Health-Safety Rating.



Customize Your

Select the features

that are relevant

to your project.

Approach

Review

Upload documentation for third-party review by GBCI to confirm you've successfully met the feature-specific intent and requirements.



Achieve

Earn the WELL Health-Safety Rating and promote your achievement.



Renew

Apply for your annual seal to demonstrate ongoing commitment to upholding operational policies, maintenance protocols, emergency plans and stakeholder engagement.

SCALABLE PRICING

A pricing model built to meet the needs of your organization or facility—no matter the size or type. Market, sector and IWBI Membership discounts apply.

	Standard	High Volume, Multi-Use	Multiple Projects
Small business	\$4,200 USD	\$12,600 USD	*\$400 USD
\$2,730 USD Small businesses with less than 50 employees and less than \$10 million in revenue and less than 5 locations.	 Individual spaces/buildings not yet registered to pursue WELL Certification or subscribed in the WELL Portfolio program. WELL Health-Safety is included for registered projects submitting with certification documentation. Price is \$2500 for registered or certified projects submitting separately. 	High-volume locations are designed to accommodate more than 10,000 people daily and provide four or more distinct uses, such as retail, dining, entertainment, residential, lodging, offices, etc. <i>Examples: stadiums, large</i> <i>hotel complexes, airports and</i> <i>shopping centers.</i>	Multiple projects with a single owner and payer that share the same space type qualify for pricing efficiencies achieved when applying streamlined and consolidated documentation. *published pricing as low as \$400/location. Contact us for pricing for more than 415 facilities.

APPLICABLE FOR ANY FACILITY TYPE





Movie Theaters



Hotels & Resorts



Restaurants



Offices



Education



Retail



Multifamily







EARLY ADOPTERS

Meet some of the iconic buildings and leading organizations that have enrolled in the

WELL Health-Safety Rating:

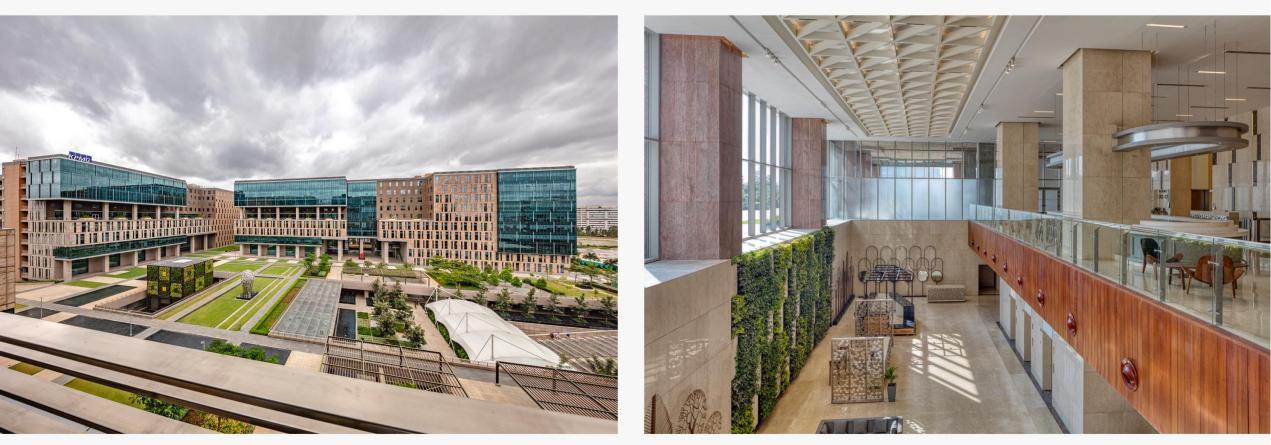
ACCIONA SA Adventist Health Aedifica Alpin Limited (Masdar City) American Savings Bank Bartra Capital Property CAMCO Management Co. Carrier Catalyst Partners CBD Z03 **CBRE Barcelona CBRE** Madrid China Overseas Office Capital Cleveland Clinic Courts / Cleveland Cavaliers Climate Pledge Arena Community Investment Strategies, Inc. CR Land Deerns Delos China **Delos Living LLC** Delta Electronics, Inc. **Denholtz** Properties Department of Earth System Science, Tsinghua University **Empire State Realty Trust FMSI GFP** Real Estate

Ghelamco Poland Sp. z o.o. Glenstar GuocoLand China Ltd. HBMSU Heitman Herman Miller Group Hornets Sports & Entertainment - Spectrum Center HRO Infancix Co., Ltd International Commerce Centre International WELL Building Institute PBC Ivanhoé Cambridge Jiahui Health JII Karisma Hotels and Resorts Kilroy Realty Corporation Kimball Laguna Lendlease Australia Office Portfolios: Australian Prime Property Fund Commercial, Lendlease International Towers Sydney Trust and Lendlease One International Towers Sydney Trust Lincoln Property Company M Moser Associates Mace

Maple Leaf Sports & Entertainment (MLSE), which encompasses the Toronto Maple Leafs (NHL), Toronto Raptors (NBA), Toronto FC (MLS), Savanna & Toronto Argonauts (CFL) Menarco Development Corporation Milliken & Company ML7 Montage International Moody Center National University of Singapore New Belmont Arena New York Yankees Oak View Group Out of the Box Ventures **Overbury Morgan Lovell** OVG Arena Alliance & Stadium Alliance **OVG** Facilities Pacers Sports & Entertainment: Bankers Life Fieldhouse (Indianapolis, Ind.) Pacers Sports & Entertainment: St. Vincent Center/Indiana Pacers Training Facility (Indianapolis, Ind.) Parmenter Realty Partners Phipps Conservatory and Botanical Gardens **RMZ** Corp Rocket Mortgage FieldHouse / Cleveland Cavaliers & Cleveland Monsters

Royal Albert Hall Rubrik India Pvt Ltd Serpentini Auto Group Shanghai Landleaf Architecture Technology Co. Ltd ShouGang Group Sino-Ocean Space Matrix Design Consultants Pvt. Ltd Spurs Sports & Entertainment TAIPEI 101 Tower Taiwan Architecture & Building Center Teknion The Florida Panthers and BB&T Center The Forestias The Related Group Thornton Tomasetti TITANIUM OFFICE SOLUTIONS MEXICO Uber Technologies, Inc. UltraStar Harrah's Ak Chin Resort Maricopa, Az. United Center Webster Bank Arena Wells Fargo Center, Philadelphia, Pa. Wolfgang Puck Fine Dining Group Woonerf Inc. Yuexiu Commercial





RMZ Ecoworld, Bangalore

The Skyview, Hyderabad



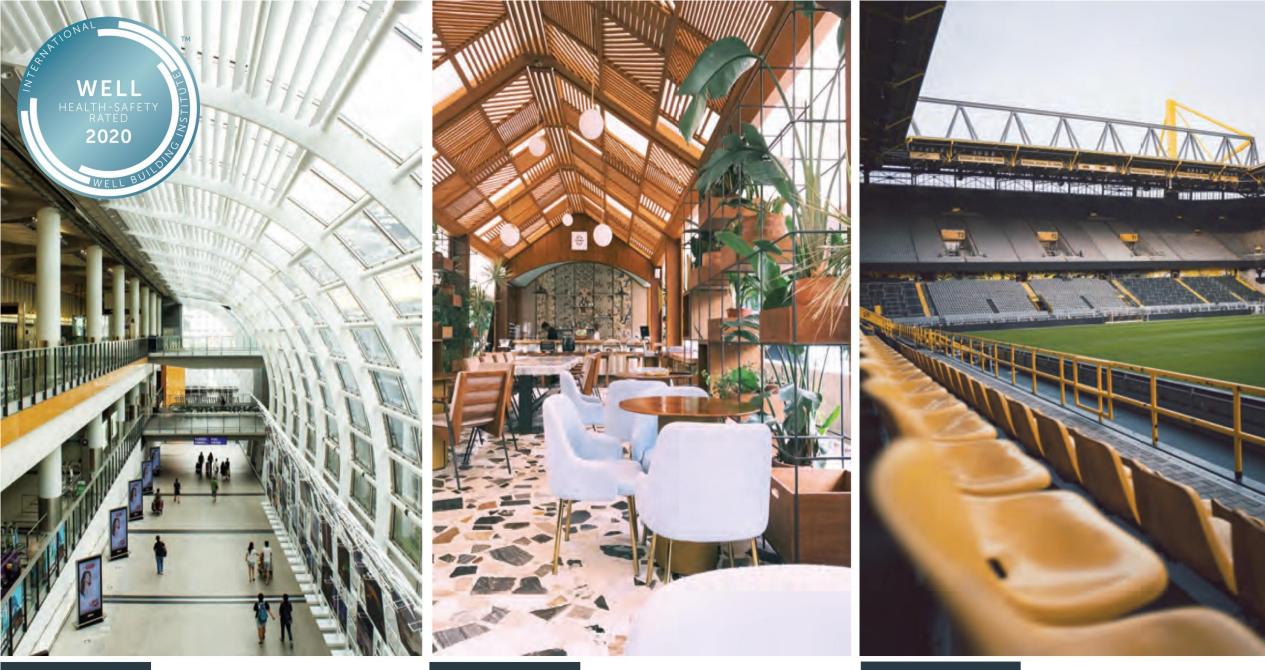


Menarco Tower, Manila





Yankee Stadium, New York



100+

Organizations

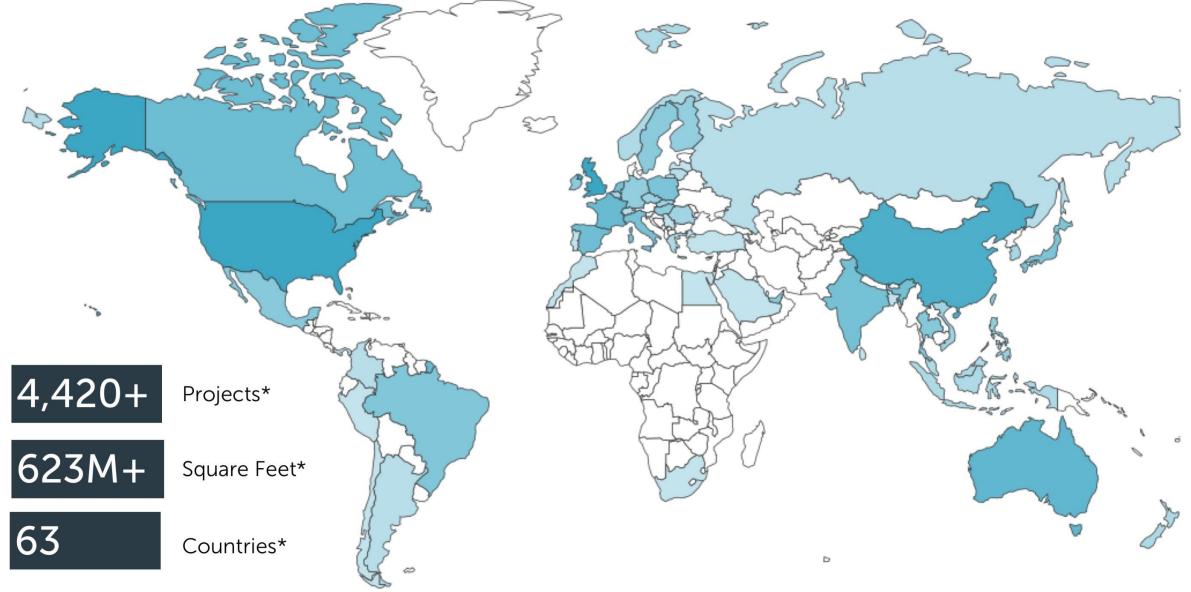


Facilities



Square Feet enal WELL Building Institute PBC. All Rights Reserved

WELL CERTIFICATION & WELL PORTFOLIO



*Includes WELL Certified, WELL Precertified and WELL registered projects, Excludes WELL Health-Safety Rating Projects

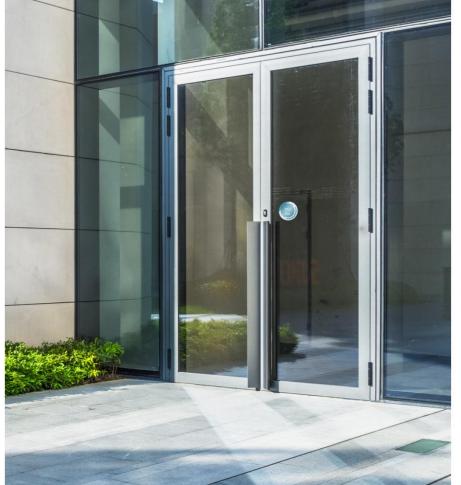


LOOK FOR THE SEAL

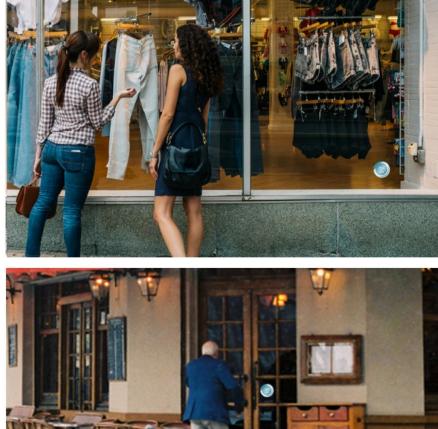


Communicate to Build Confidence

The WELL Health-Safety seal can be placed on every space that has earned the rating as a visual mark to indicate the work an organization has done to apply measures mapped to scientific evidence that help to support the health of individuals in a post-COVID-19 world.







Get in touch

healthsafety@wellcertified.com wellcertified.com/health-safety





Renee Loveland

Director of Sustainability Gerding Edlen Investment Management



Gerding Edlen owns, operates, and develops properties that positively enhance **our** communities and planet.

- Deep commitment to health and wellness, community, and sustainability
- 3 Fitwel certifications
- 78 LEED certifications
- 4 Salmon Safe certifications
- Certified B Corp

Health & Wellness

Shelter-in-place orders created profound changes in how we live and work.

A greater awareness and appreciation for the connection between health and the physical environment is emerging.

We believe properties that offer a higher standard of care for tenants will have market advantage.





Health & Wellness

biophilic design

healthy lifestyle programming

healthier buildings & healthier people











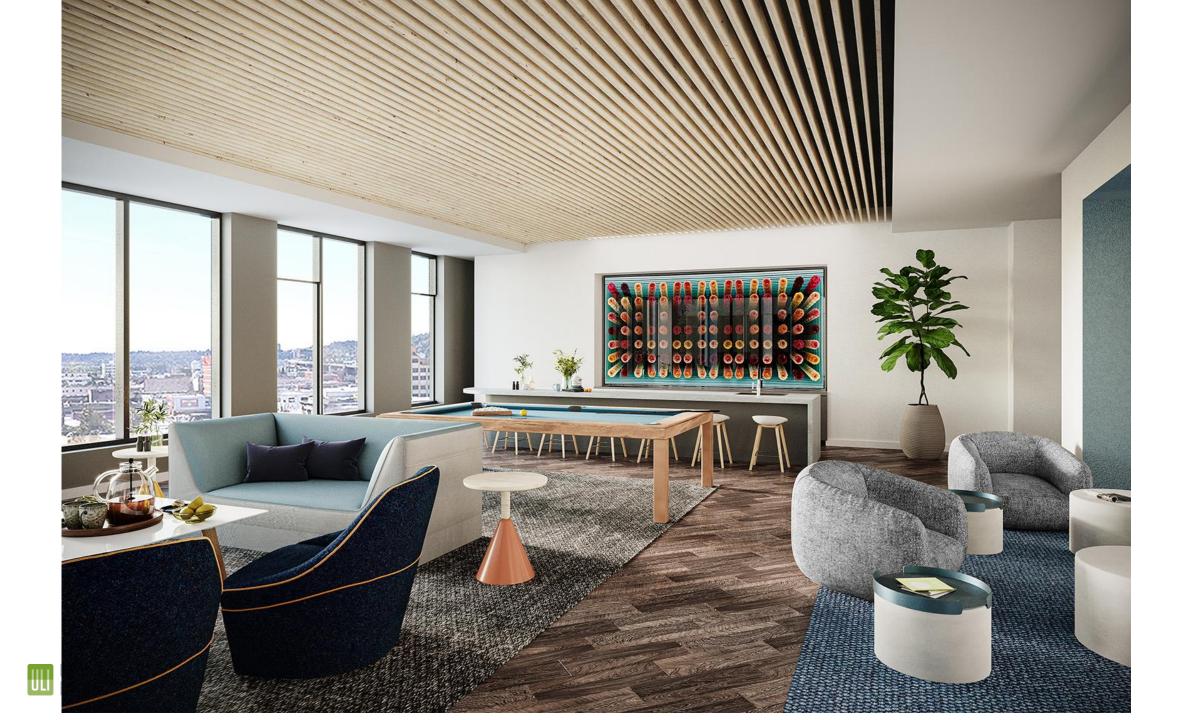












COVID Priorities

0

- Ensure the health and safety of staff and residents
- Stay informed and be nimble
- **Protect** asset value
- **Reinforce** community

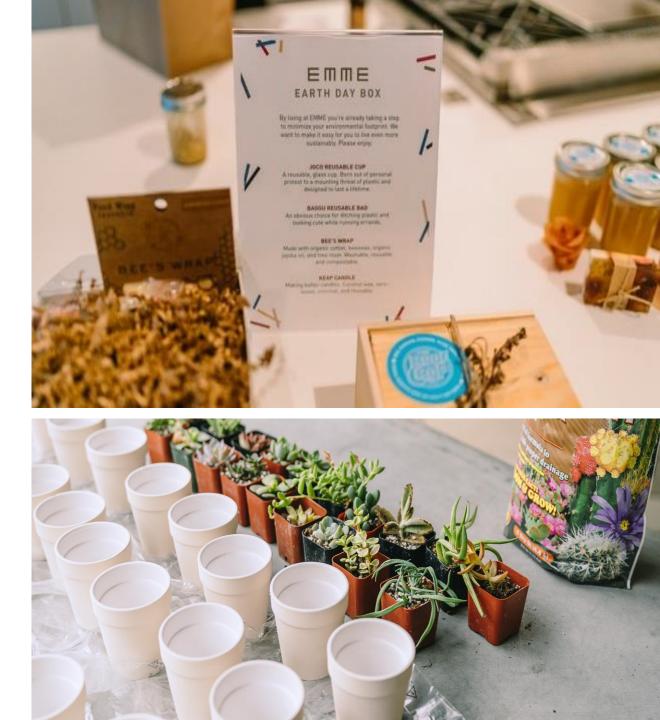
Health and Wellness

Resident Love Campaign

 Consistent and informative communications build trust in a time of uncertainty and evolving recommendations

Suite of ongoing communications

- Reminders about building protocols
- Self-care resources
- Encourage support of local businesses
- Virtual events combined with in-person events following social distancing guidelines



Health and Wellness

System adjustments early on

- Ventilation
- Filtration
- Operable windows

Evolving operations

- Cleaning
- Signage & sanitizing stations
- Social distancing guidelines
- Circulation
- Virtual leasing/self-guided tours
- Re-opening amenity spaces



Health and Wellness

Going forward

- Manage expenses & occupancy
- Balancing lifestyle expectations with COVID reality
- Evaluating Fitwel Viral Response Module
 - \circ guidance
 - \circ consistency
 - \circ credibility
- Greater emphasis on resiliency planning











Laura Craft

Head of Global ESG Strategy

Heitman



- ULI Healthy Buildings
- August 2020

Laura Craft, Head of Global ESG Strategy

HEITMAN

A REAL ESTATE INVESTMENT MANAGEMENT FIRM

Heitman: Real Estate Investment Management

Investing Today with a Focus on Tomorrow.

Our investment process is guided by Environmental, Social and Governance (ESG) principles.









\$35.4B **PRIVATE EQUITY**

\$3.9B **PRIVATE DEBT**

\$6.2B PUBLIC EOUITY



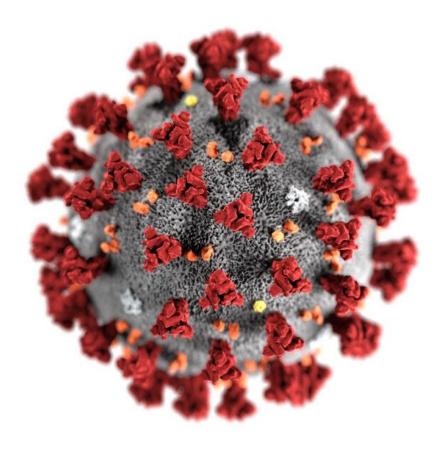


ESG Defined for Heitman and Investments

ULI

	Heitman		Investments	
Environm	ental			
	 Heitman Environmental Footprint 		nvironmental and Climate Risk ssessments of Investments	
	- Sustainable Office Practices	– R	educe Energy, Carbon, Water & V	Waste
Social				
Couctoor	 Diversity & Inclusion Health and Wellness Initiatives Volunteer Activities Community Engagement 	In - St - En	ocial Evaluation of Partners & avestments cakeholder Engagement & Outre nhance Health & Safety nrich Quality of Life	ach COVID-
Governar Urban Land Institute	 Compliance Team Human Resources ESG Committee Employee ESG Forum 	In - E3 - In	overnance Screening of Partners westments SG Policies and Guidelines itegrated ESG Investment Approa	

Buildings Close in Response to COVID-19 Spread







The CDC Issues Recommendations

SLOW THE SPREAD OF COVID-19 cdc.gov/coronavirus

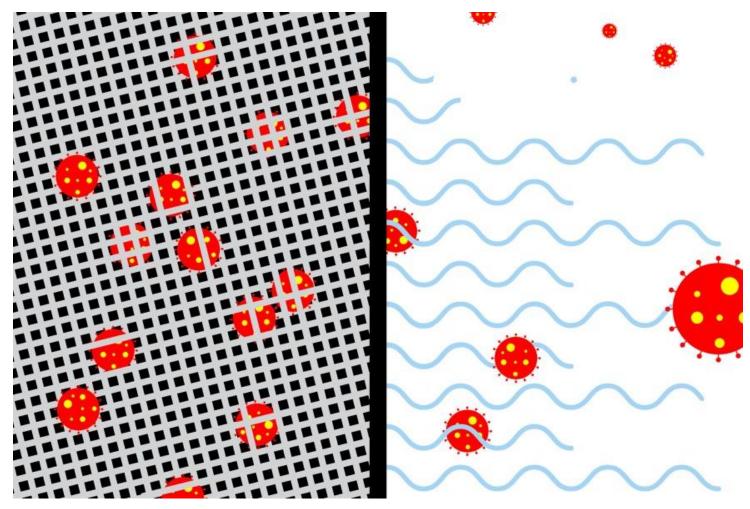




As We Re-Open, Will Indoor Environments Be Safe?

The coronavirus spreads effectively via aerosols which raises concerns about the dangers of indoor air.

The risk of COVID-19 infection is between four and 19 times greater inside than outside, according to studies conducted in China and Japan.





Healthy Building Certifications – Post COVID-19

The WELL Health-Safety Rating for Facility Operations and Management is an evidence-based, third-party verified rating for all facility types, focused on operational policies, maintenance protocols, emergency plans and stakeholder education to address a post-COVID-19 environment now and broader health and safety-related issues into the future.



Look for the seal

Designed to empower owners and operators across large and small businesses alike to prioritize the health of staff, visitors and stakeholders, the WELL Health-Safety Rating can guide you in preparing your spaces for re-entry as you respond to COVID-19.

The WELL Health-Safety seal signifies your visible commitment to supporting the health of individuals in your space.



WELL Health-Safety Rating

Checklist

Cleaning and Sanitization Procedures

- 1. Support Handwashing
- 2. Reduce Surface Contact
- 3. Improve Cleaning Practices
- 4. Select Preferred Cleaning Products Emergency Preparedness Programs
- 5. Develop Emergency Preparedness Plan
- 6. Create Business Continuity Plan
- 7. Plan for Healthy Re-Entry
- 8. Provide Emergency Resources
- 9. Bolster Emergency Resilience Health Service Resources
- 10. Provide Sick Leave
- 11. Provide Health Benefits
- 12. Support Mental Health Recovery
- 13. Promote Flu Vaccines
- 14. Promote a Smoke-Free Environment



Air and Water Quality Management

- 15. Assess Ventilation
- 16. Assess and Maintain Air Treatment Systems
- 17. Develop Legionella Management Plan
- 18. Monitor Air and Water Quality
- 19. Manage Mold and Moisture

Stakeholder Engagement and Communication

- 20. Promote Health and Wellness
- 21. Share Food Inspection Information Innovation
- 22. Innovate WELL Health-Safety
- 23. WELL Accredited Professional (WELL AP)



Heitman Enrolled All Office Assets in US Core Fund

Why enroll our office assets to WELL?

- We want an <u>external Health-Safety</u> <u>standard to follow</u>
- We are excited about <u>systematically</u> assessing our ventilation and air treatment <u>systems</u> with an external engineering company
- We understand the WELL Health-Safety Rating does not safeguard us against COVID-19, but having enhanced cleaning procedures and air management systems in-place will improve the chances of limiting spread

HEITMAN

FIVE DECADES SERVING CLIENTS





Q&A



Marta Schantz (Moderator)

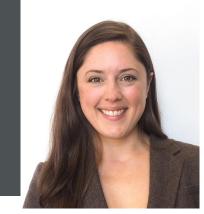
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Director of Sustainability Gerding Edlen Investment Management



Laura Craft Head of Global ESG Strategy Heitman

Confronting COVID-19: Healthy Building Certification Updates

Join us in October for virtual Fall Meeting programming

Webinar recording will be posted at knowledge.uli.org Link will be emailed to you

Thank you!

