



U.S. General Services Administration

Advisory Committee Update

Ken Sandler
GSA Office of Federal
High-Performance Buildings
Presentation to ISWG
December 7th, 2017

About the Advisory Committee

- FACA committee created by EISA to advise GSA Office of Federal High-Performance Buildings (OFHPB)
- Includes 11 other Federal agencies & offices
- Up to 15 non-Feds, from a range of sectors: architects, engineers, local govt, finance, environmental health, etc.
- Critical backing to pursue key parts of our agenda



Latest Recommendations (Adopted at 10/24 meeting)

- Health & Wellness
- High Performance Building Adoption
- Power Purchase Agreements (PPAs)

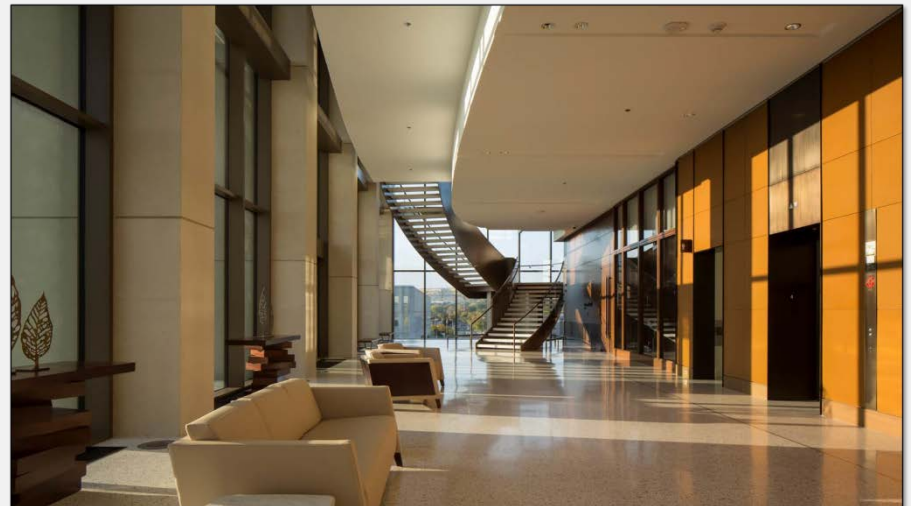


Health & Wellness

- Maintain & build on health focus in Guiding Principles, other guidance
- Include health in integrated design processes
- Support research to fill knowledge gaps
- Integrate into leases
- Guidance Crosswalk to assist agencies



Herb Garden: ASID HQ, Washington, DC
(WELL certified)



User-Friendly Stairwell: GSA: Battin Courthouse, Billings, MT
(Fitwel certified)

Health & Wellness Guidance Crosswalk

Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
GP IV. Enhance Indoor Environmental Quality 14. Occupant Health and Wellness		FitWel 5 Stairwells
Promote opportunities for occupants to voluntarily increase physical movement: Stairwells as a		WELL Building Standard v1: Fitness Feature 64 Interior Fitness Circulation (Precondition)
desirable option for circulation.		DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 2 Building Design & Construction 2-2 Employ Integrated Design Principles 2-2.1.1 Integrated Planning 2-2.1.4 Site Integration and Design of the Building Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5.4 Occupant Health and Wellness: Making stairwells a desirable option for circulation.
		GSA PBS-P100 Facilities Standards (April 2017) 3.5 Interior Construction and Interior Finishes Performance Attributes 3.5.7 Promote the Use of Stairs
		GBI Addressing 2-5.4 and 2-2.1.1 Stairwell Vertical Circulation from the DoD UFC 1-200-02 in revised Guiding Principles Compliance Assessment Program.
		LEED v.4: EBOM/NC Pilot Credit 78: Design for Active Occupants
		ASHRAE/ICC/IES/USGBC 189.1 Not addressed

High Performance Building Adoption

- Double annual rate of high performance building retrofit
- Broadly apply lessons learned from successful Federal energy retrofit projects, e.g.:
 - Maximize use of alternative financing
 - Set higher performance targets
 - Bundle technical solutions
 - Centralize project management
 - Aggregate projects where it makes sense
 - Track & share more performance data



New Carrollton, MD Federal Building ESPC project : solar carport, geothermal, fields, chiller plant upgrade

Power Purchase Agreements (PPAs)

1. Quantify potential to save \$ & enhance resilience through large scale use of PPAs
2. When cost-effective, move rapidly to enter into PPAs
3. Explore renting out open roof & lot space to third-party onsite renewable energy generators



Ft. Carson, CO solar array

Next Steps

- We will be posting full Advice Letters, supplemental materials & meeting presentations on the Advisory Committee website, www.gsa.gov/gbac
- Let Ken know if you:
 - Are interested in coordinating on health & wellness projects
 - See other opportunities for follow up on Committee recommendations
 - Have any questions or issues you'd like to discuss

Thanks for your time!