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)
<table>
<thead>
<tr>
<th>Guiding Principles for Sustainable Federal Bldgs</th>
<th>Applicable Guidelines, Standards, and Rating Systems</th>
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<tbody>
<tr>
<td>GP IV. Enhance Indoor Environmental Quality</td>
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<tr>
<td>14. Occupant Health and Wellness</td>
<td>FitWel</td>
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<td>5 Stairwells</td>
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<td>Promote opportunities for occupants to voluntarily increase physical movement: Stairwells as a desirable option for circulation.</td>
<td>WELL Building Standard v1: Fitness Feature 64 Interior Fitness Circulation (Precondition)</td>
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<td>GSA PBS-P100 Facilities Standards (April 2017) 3.5 Interior Construction and Interior Finishes Performance Attributes 3.5.7 Promote the Use of Stairs</td>
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<td>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.</td>
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<td>LEED v.4: EBOM/NC Pilot Credit 78: Design for Active Occupants</td>
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<td>ASHRAE/ICC/IES/USGBC 189.1 Not addressed</td>
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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!