

U.S. General Services Administration

PBS Customer Forum Navigating the New Workplace

Tackling the Climate Crisis 1:30-3 pm, June 15



- What do we mean by tackling the climate crisis?
- Key concepts: Mitigation, adaptation, and resilience
- Why is this important to our customers?
- How does sustainability fit into the climate discussion?
- What tools and resources does GSA have?

Tackling the Climate Crisis

Federal Triangle Flooding, June 2006



Climate Terminology

- Mitigation Actions to reduce Greenhouse Gas emissions
- Adaptation Action of adjusting to current or expected climate change and its effects
- **Resilience** Ability to anticipate, prepare for, and respond to hazardous events, trends, or disturbances related to climate
- Climate Literacy The understanding of an organization's influence on climate and climate's influence on an organization and society

Climate Risk and Human Health





Guiding Principles for Sustainable Federal Buildings

- 1) Employ Integrated Design Principles
- 2) Optimize Energy Performance
- 3) Protect and Conserve Water
- 4) Enhance the Indoor Environment
- 5) Reduce the Environmental Impact of Materials
- 6) Assess and Consider Building Resilience

Council on Environmental Quality

Guiding Principles for Sustainable Federal Buildings

And Associated Instructions

December 2020

Appendices

- Appendix A: Assessing a Building Using the Guiding Principles for Sustainable Federal Buildings Criteria Checklist for New Construction and Modernization
- Appendix B: Assessing a Building Using the Guiding Principles for Sustainable Federal Buildings Criteria Checklist for Existing Buildings
- Appendix C: Assessing a New Construction, Modernization, Major Renovation or Existing Building Using Third-Party Building Certification Systems
- Appendix D: Assessing a Building Using the Guiding Principles for Sustainable Federal Buildings Reassessment Criteria Checklist
- Appendix E: Sustainable Federal Buildings Reporting
 Instructions
- Appendix F: Definitions

Assessing a Building Using the Criteria Checklist – 1.0 and 2.0

	1.0 – Employ Integrated Design Principles			
Criteria 1.1	Integrated Design and Management	Core		
Criteria 1.2	Sustainable Siting	Core [Non-Core EB]		
Criteria 1.3	Stormwater Management	Core [Non-Core EB]		
Criteria 1.4	Infrastructure Utilization and Optimization	Non-Core		
Criteria 1.5	Commissioning	Core		
2.0 – Optimize Energy Performance				
Criteria 2.1	Energy Efficiency	Core		
Criteria 2.2	Energy Metering	Core		
Criteria 2.3	Renewable Energy	Non-Core		
Criteria 2.4	Benchmarking	Core [Non-Core EB]		

Assessing a Building Using the Criteria Checklist – 3.0 and 4.0

	3.0 – Protect and Conserve Water			
Criteria 3.1	Indoor Water Use	Core		
Criteria 3.2	Water Metering	Core [Non-Core EB]		
Criteria 3.3	Outdoor Water Use	Non-Core		
Criteria 3.4	Alternative Water	Non-Core		
4.0 – Enhance the Indoor Environment				
Criteria 4.1	Ventilation and Thermal Comfort	Core		
Criteria 4.2	Daylighting and Lighting Controls	Non-Core		
Criteria 4.3	Low-Emitting Materials and Products	Non-Core		
Criteria 4.4	Radon Mitigation	Core		
Criteria 4.5	Moisture and Mold Control	Non-Core		
Criteria 4.6	Indoor Air Quality during Construction	Non-Core		
Criteria 4.7	Environmental Smoking Control	Core		
Criteria 4.8	Integrated Pest Management	Core [Non-Core EB]		
Criteria 4.9	Occupant Health and Wellness	Core [Non-Core EB] ²		

Assessing a Building Using the Criteria Checklist – 5.0 and 6.0

	5.0 – Reduce the Environmental Impact of Materials			
Criteria 5.1	Materials – Recycled Content	Core		
Criteria 5.2	Materials – Biobased Content	Core		
Criteria 5.3	Products	Non-Core		
Criteria 5.4	Ozone Depleting Substances	Core		
Criteria 5.5	Hazardous Waste	Core		
Criteria 5.6	Solid Waste Management	Non-Core		
6.0 – Assess and Consider Building Resilience				
Criteria 6.1	Risk Assessment	Non-Core		
Criteria 6.2	Building Resilience and Adaptation	Non-Core		

SFTool.gov/guidingprinciples

- Getting Started
- 3rd-Party Certification Systems
 - Crosswalks of Statutory Requirements
- GSA Total Workplace Scorecard (Section 2)
 - Occupant Health & Wellness (EB)
- Links
- Resources
 - Checklist Resources
 - Statutory References
 - IgCC Sections



GSA Leasing

- **40+ Green Clauses** within GSA's Leasing requirements
 - Based on statutes/Executive Orders/federal policies that address:
 - Energy efficiency [Energy Star, Lighting, HVAC]
 - Water efficiency [WaterSense, Landscaping]
 - Resilience [NEPA, Floodplains, Hydrology]
 - Tenant comfort [IAQ, Ventilation, Acoustics]
 - Energy Disclosure [Utility Consumption Reporting, E Star Score]
- Align with the **Guiding Principles** (for leased settings)
- 8,000+ leases totalling 185 million RSF
 - Located in 2,100 markets
 - Average lease size = 8,200 RSF
 - 50% in major metros; 50% in small/mid-size markets
 - GSA is typically a partial tenant in commercial/privately-owned buildings(75%); Full-building tenant in only 25% of leases
 - Guiding Principles 2020
 - GSA Leasing will continue to require and report GPs

Guiding Principle Compliance - Leases

Construction Standards + Shell Components		Tenant Improvement Components	Utilities + Obligations During the Lease	
Cons. Waste Mgmt.	Lighting- Shell	Floor Coverings	Heating & A/C	
Existing Fit Out, Salvaged Materials	Systems Cx	Lighting- Interior	Janitorial Services	
Vestibules	Painting-Shell	Heating & A/C	Cleaning Products	
EISA- Energy Star	Plumbing Fixtures	Doors (Entry; Interior.;Hardware)	Paper Products	
HVAC-Shell	IAQ During Cons.	Partitions (Subdiv.)	Landscaping	
Insulation	Ventilation	Wall Finishes	Recycling	
Wood Products	Green Bldg.Cert (2).	Painting- T.I.	IAQ	
Adhesives/ Sealants	Partitions (2)		Utility Cons.Reptg.	
Ceilings	Green Ls Submittals		Mold	
RLP: EISA: Additional Submittals: Green Building Certification				

