









| | | | | New Construction | Core and Shell |
|--|-----|--|--|--|---|
| | | Integrativ | e Process, Planning and Assessments (IP) | 1 | 7 |
| | | IPp1 IPp2 IPp3 IPp4 IPc1 IPc2 | Climate Resilience Assessment Human Impact Assessment Carbon Assessment Tenant Guidelines Integrative Design Process Green Leases | Required Required - 1 | Required Required Required Required 1 |
| oncrete design construction | (Th | Location | and Transportation (LT) | 15 | 16 |
| an satisfy the juirements are arrowed. | Ŷ | LTc1 LTc2 LTc3 LTc4 LTc5 | Sensitive Land Protection Equitable Development Compact and Connected Development Transportation Demand Management Electric Vehicles | 1 2 6 4 2 | 1 2 6 4 2 |
| | 5 | Sustainal | ole Sites (SS) | 11 | 11 |
| | ¥ | SSp1 SSc1 SSc2 SSc3 SSc4 SSc5 SSc6 | Minimized Site Disturbance Biodiverse Habitat Accessible Outdoor Space Rainwater Management Enhanced Resilient Site Design Heat Island Reduction Light Pollution Reduction | Required 2 1 3 2 2 1 | Required 2 1 3 2 2 2 1 |

| | Water Effic | siency (WE) | 9 | 8 |
|-------------------|-------------|--|---------------------|------------------|
| | WEp1 | Water Metering and Reporting | Required | Required |
| | WEp2 | Minimum Water Efficiency | Required | Required |
| | WEc1 | Water Metering and Leak Detection | 1 | 1 |
| | WEc2 | Enhanced Water Efficiency | 8 | 7 |
| s concrete design | a | | New Construction | Core and Shel |
| 1 construction | Energy ar | nd Atmosphere (EA) | 33 | 27 |
| satisfy the | EAp1 | Operational Carbon Projection and Decarbonization Plan | Required | Required |
| uirements are | EAp2 | Minimum Energy Efficiency | Required | Required |
| arrowed | EAp3 | Fundamental Commissioning | Required | Required |
| intoweu. | EAp4 | Energy Metering and Reporting | Required | Required |
| | EAp5 | Fundamental Refrigerant Management | Required | Required |
| | EAc1 | Electrification | 5 | 4 |
| | EAc2 | Reduce Peak Thermal Loads | 5 | 5 |
| | EAc3 | Enhanced Energy Efficiency | 10 | 7 |
| | EAc4 | Renewable Energy | 5 | 4 |
| | EAc5 | Enhanced Commissioning | 4 | 3 |
| | EAc6 | Grid Interactive | 2 | 2 |
| | EAc7 | Enhanced Refrigerant Management | 2 | 2 |

| | Materials | and Resources (MR) | 18 | 21 |
|--------------------|-----------|---|----------|----------|
| | MRp1 | Planning for Zero Waste Operations | Required | Required |
| | MRp2 | Quantify and Assess Embodied Carbon | Required | Required |
| | MRc1 | Building and Materials Reuse | 3 | 5 |
| | MRc2 | Reduce Embodied Carbon | 6 | 8 |
| | MRc3 | Low-Emitting Materials | 2 | 1 |
| | MRc4 | Building Product Selection and Procurement | 5 | 5 2 |
| | MRc5 | Construction and Demolition Waste Diversion | 2 | |
| as concrete design | Indoor E | nvironmental Quality (EQ) | 13 | 11 |
| nd construction | EQp1 | Construction Management | Required | Required |
| an eatisfy the | EQp2 | Fundamental Air Quality | Required | Required |
| call satisfy the | EQp3 | No Smoking or Vehicle Idling | Required | Required |
| quirements are | EQc1 | Enhanced Air Quality | 1 | 1 7 |
| arrowed | EQc2 | Occupant Experience | 7 | |
| arrowed. | EQc3 | Accessibility and Inclusion | 1 | 1 |
| | EQc4 | Resilient Spaces | 2 | 2 |
| | EQc5 | Air Quality Testing and Monitoring | 2 | - |
| | Project P | riorities (PR) | 10 | 10 |
| | PRc1 | Project Priorities | 9 | 9 |
| | PRc2 | LEED AP | 1 | 1 |
| | Total | Possible Points | 110 | 110 |



| Climate and natural hazard risk assessment | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|
| ❑ Notable definitions | | | | | | | | | | |
| Assessment Term | Definition | | | | | | | | | |
| Hazards | Includes climate-related physical events or trends that can cause damage or loss. | | | | | | | | | |
| Exposure | Encompasses the presence of assets, services, resources, and infrastructure that may be affected. | | | | | | | | | |
| Vulnerability | Tendency or predisposition to experience negative effects. It can include: Land use Public infrastructure Disease burden within population Previous exposure to hazards | | | | | | | | | |





Using the Online Climate Resilience Template

□ For each identified hazard, the team must complete the climate resilience assessment template or an equivalent, documenting exposure, risk levels, and potential migration strategies.

Users can access and use the template at: https://www.usgbc.org/resources/leed-v5-climate-resilience-assessment-template

Example of an Assessment: Project Info Entry PROJECT INFO Prepared By Project Phase when Assessment was substantially complete Marshall County, Location (City, Region, etc.) Kentucky Project Program Type Residential Time Facility can afford Disruption 2 hours Project Size 15.000 sf Number of Occupants 60 Notes

| | Indicator/Topic | | Hazard Assessment | | | | | | | | |
|----------|-----------------|--------------------------------|---|---|---|---|--|---|---|---------------|--|
| e basis | Descriptior | , | Current Hazard Level (NA, Iow, medium, high) | Service Life Hazard Level (NA, low, medium, high) | Risk Rating from Local Hazard Mitigation / Disaster Risk Management / Climate Adaptation Plan, or equivalent source (NA, Iow, medium, high) | Exposure (NA, Iow, medium, high) | Sensitivity (NA, low, medium, high) | Adaptive Capacity (NA, Iow, medium, high) | Potential Impact on Function (NA, Iow, medium, high) | Vulnerability | Priority Hazard Risk (NA, yes, no) |
| ő | | Drought | low | low | low | low | low | high | medium | low | no |
| 2 | Hazard | Earthquake | high | high | medium | high | high | high | high | high | yes |
| | | Extreme Cold | low | low | NA | low | low | high | low | low | no |
| U | | Extreme Heat | high | high | low | medium | high | high | high | high | yes |
| 0 | | Flooding | high | high | high | low | low | high | medium | medium | yes |
| | | Hail | high | high | medium | high | low | high | low | low | no |
| Ε | | Hurricanes | NA | NA | NA | low | low | high | low | low | no |
| | | High-Wind Areas | medium | high | high | medium | medium | high | low | low | no |
| | | Landslides and Unstable Soils | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 5 | | Sea Level Rise and Storm Surge | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | Tornado Areas | high | high | high | high | high | high | high | high | yes |
| N | | Tsunami | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | Wildfire | low | low | low | low | high | high | high | low | no |
| L | | Wildfire Smoke | low | low | NA | low | high | high | high | low | no |
| | | Winter Storms | low | low | NA | low | low | high | low | low | no |
| | Nata a (Ott | Other | | | | | | | | | |

| | | | | | Clima | te Change Basis | |
|----------|-----------|--------------------------------|--|--|--|---|--|
| | Indic | ator/Topic | | Design | Service | Emissions Scenario | |
| e basis | Desc | cription | | Calendar year at end of Design Service Life | Total years of Design Service Life | IPCC Shared Socioeconomic Pathway (NA, SSP1-1.9, SSP1-2.6, SSP2-4.5, SSP3- 7.0, SSP5-8.5) | |
| ő | | Drought | | | | | |
| Ē | | Earthquake | | | | 0 SSP5-8.5 | |
| Pa | | Extreme Cold | | | | | |
| Ū | | Extreme Heat | | | | | LEGEND |
| U | | Flooding | | | | | • SSP1_1 9 |
| at | | Hail | | | | | Sustainability (very high/immediate emissions |
| Ē | | Hurricanes | | | | | reductions |
| - | Hazard | High-Wind Areas | | 2125 | 100 | | • SSP1 – 2.6 |
| 0 | | Landslides and Unstable Soils | | | | | Sustainability II (high/immediate emissions reductions) |
| | | Sea Level Rise and Storm Surge | | | | | |
| ž | | Tornado Areas | | | | | SSP2 – 4.5 Middle of the Road (moderate emissions reductions) |
| R N | | Tsunami | | | | | - 5502 7.0 |
| a | | Wildfire | | | | | SSP3 – 7.0 Regional Rivalry (no emissions reductions) |
| I | | Wildfire Smoke | | | | | SCDE - 9 E |
| | | Winter Storms | | | | | Fossil-fueled Development (no emissions reductions) |
| | | Other | | | | | |
| | Notes/Oth | er Relevant Information | | | | | |





