AIA COTE® Top Ten

2022 Call for submissions

The American Institute of Architects Committee on the Environment is currently accepting submissions for the 2022 AIA COTE® Top Ten Awards.

Recognition

Projects will receive significant recognition, including acknowledgement in AIA publications, electronic media, and with an in person or virtual celebration.

Recipients may be asked by the AIA Communications department, or by various media representatives, for additional information about their projects. All submitted materials will become property of The American Institute of Architects.

Requirements

Please review each category for information about the deadline, eligibility, judging criteria, and submission requirements.

Questions?

aia.org/COTE

COTETopTen@aia.org

Cover image credit

Ford Foundation Center for Social Justice

Architect: Gensler

Photographer: Garrett Rowland

The AIA Committee on the Environment (AIA COTE®) Top Ten Awards recognize projects each year that exemplify the integration of design and performance. Using AIA's Framework for Design Excellence as the standard against which projects are evaluated, The COTE Top Ten program recognizes projects that demonstrate a holistic vision of architecture across all 10 of the framework's measures. A goal of the program is to recognize performance over intentions. While newly completed projects may be submitted, project teams are strongly encouraged to submit projects for which performance and occupant satisfaction data are available for 12 months or more with at least 75% occupancy. There is no time limit for submission after project completion, the more evidence of a project's contributions to real-world solutions, the better.

The 2022 COTE Top Ten program will elevate new narratives on Design for Equitable Communities (M2) and prioritize quality reporting on data associated with energy, carbon, and water. AIA COTE references two tools to help architects achieve consistent high performance on every project: The Framework for Design Excellence and the SuperSpreadsheet. Project teams should use the framework to assist with writing project narratives and use the SuperSpreadsheet to ensure the accurate calculation of selected metrics.

Transparency is a fundamental element of sustainable design. These awards programs exist so that architects can learn from the successes of the very best projects and move the entire profession forward. To jointly improve our work and realize our shared vision of a zero-carbon, equitable future, all submissions are expected have honest and accurate metrics, narratives, and images, and all claims should be substantiated with evidence.

DEADLINE

All submissions must be received by 5pm ET on January 13, 2022.
The submission deadline date will be strictly observed; no exceptions will be made.

ELIGIBILITY

All architects licensed in the U.S. can submit their completed built projects, regardless of project size, budget, style, building type, or location. Entries are encouraged from both established and new practitioners and designers, and from small and large firms. Completed new buildings, renovations, restorations, interior architecture, and urban/regional plans are eligible.

- COTE Top Ten projects must be completed at least three months prior to the submission deadline. "Completion" is synonymous with "substantial completion" as defined in the standard AIA documents governing construction.
- The entry is to be submitted by the architect. However, it is strongly recommended that building performance or engineering consultants assist with reporting of energy, carbon, and water metrics.
- Submitting firms are required to be signatories to the AIA 2030 Commitment. Firms that are not currently a signatory are required to join the 2030 Commitment to be considered for an award.
- The submitting architect may qualify as a member of a design team, but is not required to be the project's lead. When one architect is not the sole author, all other participants contributing substantially to the design of the project must be given credit as part of the submission, regardless of professional discipline.
- A project that credits any 2022 AIA COTE Top Ten Awards jury member or his/her firm as architect, associate architect, consultant, or client is ineligible and will be disqualified if submitted.
- AIA will coordinate the promotion of award recipients with publications.

JUDGING CRITERIA

Each entry will be judged on how successful the project is in meeting its individual requirements, with particular emphasis on design excellence. Projects will be evaluated on a broad and inclusive definition of design quality that includes performance, aesthetics, community connection and resilience, and stewardship of the natural environment. The COTE Top Ten program was founded on the idea that sustainability is essential to design excellence, and vice versa. Therefore, a key criterion for judging projects is the integration of compelling design and sustainable performance.

Unpaid Labor Declaration Policy

If you cannot answer 'Yes' to the Unpaid Labor Declaration Policy, you are not eligible to submit for this award. Please contact HonorsAwards@aia.org should you have any questions concerning our Unpaid Labor Declaration Policy.

Submission Approval Statement

If you cannot answer 'Yes' to the Submission Approval Statement, please contact the Submitting Architect to agree on a suitable resolution for proper credit. The Entrant and all architecture firms involved in the project agree that the information and/or materials being submitted are complete and accurate. Please list your firm name as the submitting architect associated with this project and respond to the statements below.

Project submission history

Is this project a resubmission or has it been submitted in the prior five years to another AIA program? If yes, please indicate the year and program submitted, and any recognition received when applicable.

SUBMISSION REQUIREMENTS

Entry fee
An architect or firm may submit more than one project, but each project requires payment of a separate non-refundable registration fee.

$500 (AIA members) | $850 (nonmembers)

Client authorization
Client authorization must be received by AIA to avoid disqualification. A separate email will be sent to your client to receive approval to enter this project into the AIA Architecture Award.

Digital images and drawings
Each project should be illustrated by at least 13 and no more than 18 digital images. Please include a minimum one image per measure, as well as a site plan, a typical floor plan, and a rendering. Some of these images can be collages or compilations, but we do recommend that you include at least 5–8 clean photos without words or drawings. Emphasis should be placed on graphics that best inform the jurors about the innovative sustainable design solutions that have been developed. Include the appropriate credit and caption for each while not mentioning the architect or firm. Ideal images should be in JPEG format, minimum dimensions 3200x1800 pixels and a maximum file size of 5 mb.

SuperSpreadsheet
Project teams must complete and upload the SuperSpreadsheet for these selected metrics: Introduction, 4-Water, 6-Energy, and 8-Resources. Please review the data carefully prior to submitting a digital copy of the excel file. AIA COTE will offer open office hours during the awards submission phase to answer questions pertaining to the use of the SuperSpreadsheet.

Beyond the Top Ten submission process, the SuperSpreadsheet can easily integrate into architectural practice, providing day-to-day support and guidance for design excellence for all projects. Please note that the last page of the SuperSpreadsheet generates a color-coded graphic that displays performance across all metrics. Submitting teams are encouraged to incorporate this graphic as part of their uploaded images.

Energy and carbon reports
Each project team is required to upload summary reports from modeling tools as evidence of energy and carbon performance metrics. Summary reports should correspond with final design drawings and should be provided in English.

Submission requirements in detail

PROJECT ATTRIBUTES

Throughout the entire application, please provide the full name of the project without revealing the name of the architect or firm.

- Project location
- Year of design completion
- Date of substantial completion
- Gross conditioned floor area
- Number of stories
- Building program(s) (CBECS category if applicable)
- Climate zone (select classification schema)
    - » U.S. project (ASHRAE)
    - » California project (Title 24)
    - » International project (Koppen Classification)
- Annual hours of operation (#)
- Site area
- Choose one: Brownfield/Not previously developed/Previously developed site
- Choose one: Urban/Suburban/Rural
- Cost of construction, excluding furnishing
- Estimated unique annual users (residents, occupants, and visitors)

Submitting firms are required to be signatories to the AIA 2030 Commitment.

- Is the submitting firm a signatory to the AIA 2030 Commitment? (Y/N)
- What year did the firm last report in the DDx?
- Does the submitting firm have a third-party disclosure on ethical business practices such as a JUST label, B-Corp, or UN Global Compact?

THIRD-PARTY RATING SYSTEMS

If applicable, list any performance-based rating systems achieved, and upload the scorecard of any results.

- LEED
- LBC / LCC
- WELL
- Energy Star
- Net Zero Energy
- Net Zero Carbon
- Passive House
- Other

AIA COTE Top Ten measures

M1 DESIGN FOR INTEGRATION (<300 WORDS)

What are the big ideas behind this project—and how did the sustainability approach inform the design concept? Describe the project, the program, and any unique challenges and opportunities. Specifically, explain how the design is shaped around the project's goals and performance criteria, providing both utility, beauty, and delight. How does the project engage all the senses for all its users and connect people to place? What makes this building one that people will fight to preserve? Give examples of how individual design strategies provide multiple benefits across the full triple bottom line of social, economic, and environmental value.

- No unique metrics

M2 DESIGN FOR EQUITABLE COMMUNITIES (<200 WORDS)

Every architecture project can result in both positive and negative progress toward creating equitable communities, communities that respect members regardless of physical ability, acknowledge and work to rectify underrepresentation, and respond to health, environmental, resource-based, and cultural vulnerabilities. How does this project represent a positive impact on communities from the initial understanding of site-specific cultural, environmental, and physical conditions, stakeholder engagement, design, and measured outcomes?

DESIGN INTENT

Mandatory

Describe the project's approach toward building equitable communities (<100 words each):

- Who does the project serve? Identify the stakeholders who directly or indirectly benefit from the project.
- Describe the stakeholder engagement process, including workshops, meetings, surveys, or other forms of engagement. How was feedback documented and presented back to the community?
- Identify the project goals that promote equitable communities. How do they incorporate project-specific community needs?
- Describe the project team's explorations or design strategies that respond to the above-stated goals?
- Describe stories or evidence that demonstrate success. If success cannot be evaluated in the near-term, describe what a successful outcome will look like and what the key performance indicators are.

Encouraged

Every community is unique, and every project has unique opportunities to respond to issues of equity and inclusion. Answer the questions only as applicable to describe exemplary practices or outcomes for this project. (<100 words each)

- Describe background research conducted to identify who is impacted by the project. Include any vulnerability assessments completed to understand the socioeconomic, health, and environmental risks to communities impacted by the project.
- How were cultural values of the community(ies) identified?
- How did the team's understanding of vulnerability and project impacts evolve because of the stakeholder engagement process?
- How were the needs of underrepresented stakeholders addressed within the goals? How do the goals propose to overcome barriers that might prevent community members from fully experiencing the project (mobility, socioeconomic, demographic, or other)?
- How was the design of access to and through the building influenced by mobility needs and requirements?
- Describe post-occupancy engagement processes and how they were used to optimize the project's support of equitable communities?
- What other concerns for equity does this project address? This might include supply chain labor practices and health impacts, designing for community adaptation, addressing neighborhoods impacted by environmental pollution.

METRICS

Mandatory

These quantitative descriptors of how a site can be accessed and how those within the site can access other amenities inform how each project can most effectively support equitable communities.

- Walk score
- Bike score
- Transit score

M3 DESIGN FOR ECOSYSTEMS (<200 WORDS)

Sustainable design protects and benefits natural ecosystems and habitat in the presence of human development. Describe the larger or regional ecosystem (climate, soils, flora and fauna) in which the project is sited. In what ways does the design respond to the ecology of this place? How does the design help users become more aware or connected with this place and their regional ecosystems? How does the design minimize negative impacts on birds or other animals (e.g., design to prevent bird collisions, dark-sky compliant lighting)? How does the project contribute to biodiversity and the preservation or restoration of habitats and ecosystem services?

DESIGN INTENT

Encouraged (<100 words)

- Provide one example of how this project regenerates the natural ecosystem on-site.

METRICS

Mandatory

- Is this a previously developed site? (Y/N)
- Percentage of site area supporting vegetation pre-development.
- Percentage of the site area supporting vegetation post-development.
- Percentage of site area with native plants that support native or migratory species and pollinators.
- Intentional design strategies were used to promote: (Check all that that apply.)
  - » Biodiversity
  - » Dark skies
  - » Bird safety
  - » Soil conservation
  - » Carbon sequestration
  - » Habitat conservation, flora/fauna
  - » Abatement of specific regional environmental concerns
  - » Other: (list)

Please explain if a mandatory metric is unavailable or a metric requires additional interpretive information.

M4 DESIGN FOR WATER (<200 WORDS)

Sustainable design conserves and improves the quality of water as a precious resource. Illustrate how various water streams flow through the building and site, including major water conservation and rainwater management strategies. How does the project relate to the regional watershed? Describe strategies to reduce reliance on municipal water sources. Does the project recapture or reuse water?

DESIGN INTENT

Encouraged

- Describe the quality of the water that runs off the site.
- Describe the project's water resilience strategies.
- Provide one sentence describing the project's major potable water conservation strategy for each end use:
  - » Fixtures
  - » Irrigation
  - » Mechanical systems
  - » Process systems

UPLOADS

Mandatory

- Complete SuperSpreadsheet tab 4 - Water

METRICS

Mandatory

- Is on-site potable water use regularly metered and monitored? (Y/N)
- Is water use sub metered? (Y/N)
- Was water consumption modeled? (Y/N)
- Is potable water used for nonportable uses (e.g., irrigation, toilet flushing)? (Y/N)
- Is rainwater collected and stored for on-site use? (Y/N)
- What non potable water sources are collected for reuse? (Check all that apply.)
  - » Roof rainwater
  - » Greywater
  - » Condensate
  - » Foundation water
  - » Site surface water

- What are the end uses of this collection? (Check all that apply.)
  - » Irrigation
  - » Non-irrigation site water
  - » Toilets
  - » Mechanical
  - » Process
  - » Potable
- Percentage of rainwater managed on-site.
- Indicate storm event used to calculate percentage of rainwater managed on-site using a LEED rainwater calculator.
  - » 24-hour, two-year
  - » 80% percentile
  - » 85% percentile
  - » 90% percentile
- Does the site have a vegetated area that is irrigated turf grass? (Y/N)
- Percentage of site vegetated area that is irrigated turf grass.
- Please explain if a mandatory metric is unavailable or a metric requires additional interpretive information.

Please explain if a mandatory metric is unavailable or a metric requires additional interpretive information.

Encouraged

- Is potable water quality routinely monitored, filtered, or treated? (Y/N)
- Measured annual water use (gallons per building).
- Predicted annual water use (gallons per building).
- Percentage of potable water reduced through efficiency measures (LEED calculator).
- Percentage of potable water offset by other water sources.
- Percentage of blackwater treated on-site.

M5 DESIGN FOR ECONOMY (<200 WORDS)

Providing abundance while living within our means is a fundamental challenge of sustainability. How does the project provide "more with less"? Possibilities include "right sizing" the program, cost-effective design decisions, economic performance analysis, economic equity strategies, notable return-on-investment outcomes, contributing to local and disadvantaged economies, etc. Provide examples of how first-cost and life cycle cost information influenced design choices. Identify any additional first-cost investments and how they are anticipated to improve life cycle costs and longer-term economic performance.

DESIGN INTENT

Encouraged

- Describe right-sizing strategies and considerations.
- How did design choices minimize materials usage, allowing for lower cost and more efficiently designed systems/structure?
- Provide one sentence on the strategies used to reduce cost and/or increase value for each of the following:
  - » First costs
  - » Utilities
  - » Maintenance
  - » Cleaning
  - » Occupant health and well-being
  - » Flexibility, adaptability, and/or resilience

METRICS

Mandatory

- Construction cost per square foot

Please explain if a mandatory metric is unavailable or a metric requires additional interpretive information.

Encouraged

- Were life cycle costs calculated? (Y/N)
- What system was life cycle cost analysis performed for? (Check all that apply.)
  - » Envelope and Structure
  - » Interiors
  - » Mechanical Systems
  - » Plumbing Systems
  - » Electrical Systems
  - » Photovoltaics
  - » None
  - » Other: (list)
- What is the timeframe for the life cycle cost calculations for each system selected?

M6 DESIGN FOR ENERGY (<200 WORDS)

The burning of fossil fuels to provide energy for buildings is a major component of global greenhouse gas emissions, which is driving climate change. Sustainable design conserves energy while improving building performance, function, comfort, and enjoyment. How did analysis of local climate inform the design challenges and opportunities? Describe any energy challenges associated with the building type, intensity of use, or hours of operation, and how the design responds to these challenges. Describe energy-efficient design intent, including passive design strategies and active systems and technologies. How are these strategies evident in the design, not just the systems?

DESIGN INTENT

Encouraged

- Explain any difference between measured and predicted EUI.
- Describe your enclosure (wall, roof, and window) specification for optimizing climatic performance (U-value, SHGC, VT, shading, dynamic, etc.).
- Describe the primary strategy for reducing operational carbon (scope 1: direct emissions; scope 2: indirect emissions).

UPLOADS

Mandatory

- Complete SuperSpreadsheet tab 6 - Energy

METRICS

Use AIA's 2030 DDx or Zero Tool to establish an energy use baseline. This baseline is not the same as the ASHRAE 90.1 Appendix G baseline. Use the SuperSpreadsheet to convert both predicted energy consumption by fuel type and utility-provided energy consumption into equivalent operational carbon.

Mandatory

Energy

- Was energy modeling used to inform design decisions? (Y/N)
- What tool was used to model energy?
  - » eQuest
  - » IESVE
  - » Design Builder
  - » OpenStudio
  - » EnergyPlus
  - » Other: (list)
- What is the tool version?
- Benchmark EUI in kBTU/sf/yr for the building type using the Zero Tool or AIA 2030 DDx.
  - » If a building type or country is not available in the Zero Tool, follow guidance from the 2030 Challenge to establish an appropriate benchmarking baseline.
- Predicted gross Energy Use Intensity (pEUI) in kBTU/sf/yr (include all site energy uses, exclusive of on-site generations and purchased credits or offsets.)
- Was ASHRAE Standard 90.1 used to determine pEUI? (Y/N)
  - » If yes, what version was used? (Select one.)
  - » 2013
  - » 2016
  - » 2019
  - » Other
- Measured gross Energy Use Intensity (mEUI) in kBTU/sf/yr (include all site energy uses.)
  - » Note if COVID-19 altered occupancy during the measured year.
- Is energy generated on-site? (Y/N)
  - » If yes, what was the net Energy Use Intensity (nEUI) achieved in kBTU/sf/yr (include all on-site energy generation but exclude purchased credits or offsets)?
- Were renewable energy credits or offsets purchased for this project? (Y/N)
  - » If yes, describe the credits or offsets purchased and their impact.

High-performance characteristics

- » All electric building? (Y/N)
- » Measured lighting power density (LPD) in W/sf
- » Percent LPD reduction from ASHRAE 2018 / IECC 2021
- » Percent window-wall ratio

Operational carbon

- Operational carbon in kgCO2e/sf/yr (from tab “6-Energy” of the Super Spreadsheet)

Please explain if a mandatory metric is unavailable or a metric requires additional interpretive information.

Encouraged

- Upload an energy model report, from a final design phase, that summarized pEUI calculations. This can be a LEED calculator, a report from a consulting engineer, or other report from an energy modeling tool.
- Upload a document that summarizes mEUI. The document should capture actual energy consumed from monthly utility bills (by fuel type) or by aggregating end use metered data.
- Percent window-wall ratio by orientation (N, S, E, W or other)

M7 DESIGN FOR WELL-BEING (<200 WORDS)

Sustainable design supports comfort, health, and wellness for the people who inhabit or visit buildings. Describe strategies for optimizing daylight, indoor air quality, connections to the outdoors, and thermal, visual, and acoustical comfort for occupants and others inside and outside the building. How does the design promote the health of the occupants? Describe design elements intended to promote activity or exercise, access to healthy food choices, etc. Outline any material health strategies, including any materials selection criteria based on third-party frameworks, such as Health Product Declarations (HPDs), Living Building Challenge Red List, EPA chemicals of concern, etc.

DESIGN INTENT

Encouraged

- Major strategy for improving indoor air quality
- Major strategy for improving indoor acoustical
- Major strategy for encouraging occupant movement
- Major strategy for providing healthy foods

METRICS

Mandatory

- Do greater than 90% of occupied spaces have a direct view to the outdoors? (Y/N)
- Was daylight modeled to inform design decisions? (Y/N)
  - » Percent spatial daylight autonomy
  - » Percent annual solar exposure
- (workplaces) How easily can occupants control their own thermal comfort and lighting?
  - » How many occupants per thermal zone or thermostat?
  - » Percentage of occupants who can control their own light levels.
  - » Percentage of occupants who have access to operable windows.
- Was a “chemicals of concern” list used to inform material selection? (Y/N)
  - » If yes, please explain in one sentence
- HPD: Were Health Product Declarations (HPDs) collected? (Y/N)
  - » If yes, summarize results.
  - » If no, describe alternative strategies for healthy material selection.
- What level of air filters are installed?
  - » Less than MERV 9
  - » MERV 9–11
  - » MERV 12–14
  - » MERV 15–16
  - » HEPA
  - » ULPA
- Is air quality monitored on an ongoing basis? (Y/N)
- If so, check all IAQ metrics that are being tracked:
  - » %RH
  - » CO_2
  - » TVOCs
  - » PM2.5
  - » PM10
  - » Other
- If the project is in a humid climate, is standalone dehumidification installed? (Y/N/NA)

- What is the design maximum CO_2 in PPM?

Please explain if a mandatory metric is unavailable or a metric requires additional interpretive information.

Encouraged

- Upload daylight modeling report.
- What percentage of occupied spaces have a direct view to the outdoors?

M8 DESIGN FOR RESOURCES (<200 WORDS)

Sustainable design includes the informed selection of materials and products to reduce product-cycle environmental impacts while enhancing building performance. Describe efforts to optimize the amount of material used on the project and/or how an existing building was repurposed. Outline materials selection criteria and considerations, such as enhancing durability and maintenance and reducing the environmental impacts of extraction, manufacturing, and transportation. Identify any special steps taken during design to make disassembly or reuse easier at the building's end of life. What other factors helped drive decision-making around material selection on this project?

DESIGN INTENT

Encouraged

- Describe the project team's material selection criteria.

UPLOADS

Mandatory

- Complete SuperSpreadsheet tab 8 - Resources

METRICS

Mandatory

- Was embodied carbon modeled? (Y/N)
  - » If yes, identify the tool used.
    - » Tally
    - » Athena
    - » One Click LCA
    - » GaBi
    - » Other: (list)
      - ◦ What is the tool version?
      - ◦ Is biogenic carbon considered? (Y/N)
      - ◦ Are renewable energy sources considered? (Y/N)
- Identify the modeling time period.
- What was the LCA system boundary? (Check all that apply.)
  - » Product (A1-A3)
  - » Construction (A4-A5)
  - » Use (B1-B5)
  - » End of Life (C1-C4)
  - » Beyond (D)
- What is the LCA scope? (Check all that apply.)
  - » Building Envelope
  - » Structure

  - » Interiors
  - » MEP Systems
  - » Site/Landscape
  - » Other: (list)
- What is the total predicted embodied carbon in kg CO_2e?
- Which of the following environmental product declarations did you collect? (Select from the following.)
  - » None
  - » Product-specific LCA
  - » Industrywide generic EPDs
  - » Product-specific, Type III external EPDs
  - » Declare + Embodied Carbon Label
  - » C2C
  - » Other: (list)
- Percentage of project floor area, if any, that was adapted from existing buildings.
- Was construction waste considered and tracked on this project? (Y/N)
  - » If yes, summarize results.
- Was material reuse considered and tracked on this project? (Y/N)
  - » If yes, summarize results.
- Was recycled content considered and tracked on this project? (Y/N)
  - » If yes, summarize results.
- Did you track the percentage of project materials extracted and manufactured regionally? (Y/N)
  - » If yes, summarize results.
- Is the majority of wood used in this project certified by FSC? (Y/N)

Please explain if a mandatory metric is unavailable or a metric requires additional interpretive information.

Encouraged

- Upload embodied carbon report from modeling tool used.
- Which major strategies were used to decrease embodied carbon? (Select all that apply.)
  - » Wood structure
  - » Optimized concrete admixtures
  - » Reduction in total materials
  - » FSC lumber
  - » Low-carbon insulation
  - » Low-carbon exterior cladding material
  - » Reduction in glazing
  - » Low-carbon refrigerants
  - » Other: (list)

M9 DESIGN FOR CHANGE (<200 WORDS)

Adaptability and resilience are essential to sustainable design, which seeks to maintain and enhance usability, functionality, and value over time. Describe how the project is designed to facilitate adaptation for other uses? What other uses could this building easily accommodate in 50–100 years? In what ways did the design process take into account climate change over the life of the building? Describe the project's resilience measures: How does the design anticipate restoring or adapting function in the face of stress or shock, such as natural disasters, blackouts, etc.? How does the project address passive survivability (providing habitable conditions in case of loss of utility power)?

DESIGN INTENT

Encouraged

- How does the project respond to the local hazards? (Two sentences)

METRICS

Mandatory

- Was research conducted on the most likely local hazards? (Y/N)
- If yes, check all that apply.
  - » Hail
  - » Earthquakes
  - » Drought
  - » Extreme temperatures
  - » Flooding
  - » Epidemic
  - » Social unrest
  - » Utility disruption
  - » Other: (list)
- Can the project maintain function without utility power?
  - » Not habitable without power
  - » Passive survivability
  - » Partial backup power
  - » Full backup power
- What type of backup power does the project primarily have?
  - » Renewable/battery
  - » Grid/battery
  - » Fossil fuel generator
  - » Other: (list)
- What percentage of project power needs are met by on-site power generation?
  - » Identify if calculations are based on pEUI or mEUI.
- Please explain if a mandatory metric is unavailable or a metric requires additional interpretive information.

Encouraged

- Can the building be used as a safe harbor to support a community during a crisis? (Y/N)
  - » If yes, explain.
- How many hours can the building function through passive survivability?
  - » Explain your calculations.

M10 DESIGN FOR DISCOVERY (<200 WORDS)

Sustainable design strategies and best practices evolve over time through documented performance and shared knowledge of lessons learned. What lessons for better design have been learned through the process of project design, construction, and occupancy, and how have these been incorporated in subsequent projects? Describe ways the lessons have been shared with a larger audience (publications, lectures, etc.) and any ways the project may have influenced industry practices. Describe the processes used to maintain a long-term relationship between the design team and those occupying and operating the building and identify how both the users and designers benefited.

Projects with exemplary actual performance and post-occupancy information will be highlighted among the award recipients.

METRICS

Mandatory

- Were integrated design processes engaged early in the project for establishing project performance goals and strategies? (Y/N)
  - » If yes, describe the process and outcomes.
- What level of commissioning was undertaken on this project? (Check all that apply.)
  - » None
  - » Basic commissioning (system designer)
  - » Enhanced commissioning (third party)
  - » Monitoring-based commissioning
  - » Continuous commissioning
  - » Enclosure commissioning
- Has a post-occupancy evaluation, including surveys of occupant comfort, been performed? (Y/N)
- Which of the following post-occupancy steps were taken? (Check all that apply.)
  - » Contact the owner/occupant to see how things are going
  - » Obtain utility bill to determine actual performance
  - » Survey building occupants on satisfaction
  - » Formal on-site daylight measurements
  - » Share collected data with building occupants
  - » Formal post-occupancy air quality testing
  - » Data logging of indoor environmental measurements
  - » Post-occupancy energy analysis
  - » Develop and share strategies to improve the building's performance
  - » Teach occupants and operators how to improve building performance
- Which of the following building performance transparency steps were taken? (Check all that apply.)
  - » Present the design of the project to the office
  - » Present the design of the project to the profession
  - » Present the design of the project to the public
  - » Present outcomes and lessons learned to the office
  - » Present outcomes and lessons learned to the profession
  - » Present outcomes and lessons learned to the public
  - » Publish post-occupancy data from the building
  - » Publish any lessons learned from design, construction, or occupancy
- Were lessons learned through post-occupancy used to improve subsequent projects? (Y/N)
  - » If yes, give an example.

Encouraged

- Did the project engage in a professional peer review of drawings or specifications during design? (Y/N)
- Did the project engage in post-occupancy performance testing (blower door test, thermal imaging, etc.)? (Y/N)
  - » If yes, describe the process and outcomes.