

AIA 2030

SUSTAINABILITY ACTION PLAN



integrus
ARCHITECTURE



Sustainability Action Plan

AIA 2030 Commitment

Integrus Architecture is proud to participate in the American Institute of Architects' 2030 Commitment. In making this commitment we reaffirm our pledge to create high-performance buildings that minimize carbon emissions throughout a building's entire lifespan. We will also seek to enhance the health of building occupants as well as the natural systems upon which all life depends.

In embracing the AIA 2030 commitment, Integrus Architecture commits to the following steps:

- Implement this Sustainability Action Plan as a fundamental component of our design process.
- Record and report data to the AIA Design Data Exchange.
- Target the 2030 energy reduction targets on all projects.
- Each year report the progress of our firm's design portfolio toward meeting the 2030 goals.
- Evaluate our progress each year in achieving the goals established by the Sustainability Action Plan, and update that plan every three years.

By integrating sustainable performance measures into our design practice, we embrace environmental stewardship as a defining principle of our commitment to creating buildings that are appropriate to their time and place.

1. Reduce GHG emissions each year following the Architecture 2030 timeline:

- Progressive annual reductions in operational emissions, leading to zero carbon emissions in 2030
- Progressive annual reductions in embodied carbon emissions, leading to zero emissions in 2040

2. Design Process:

- Develop a streamlined process for incorporating environmental performance metrics in our design process
- Prioritize energy efficiency in all phases of design
- Seek integrated solutions

3. Collection, Evaluation and Reporting:

- Collect, evaluate and report performance metrics to the AIA 2030 DDX

4. Training & Education:

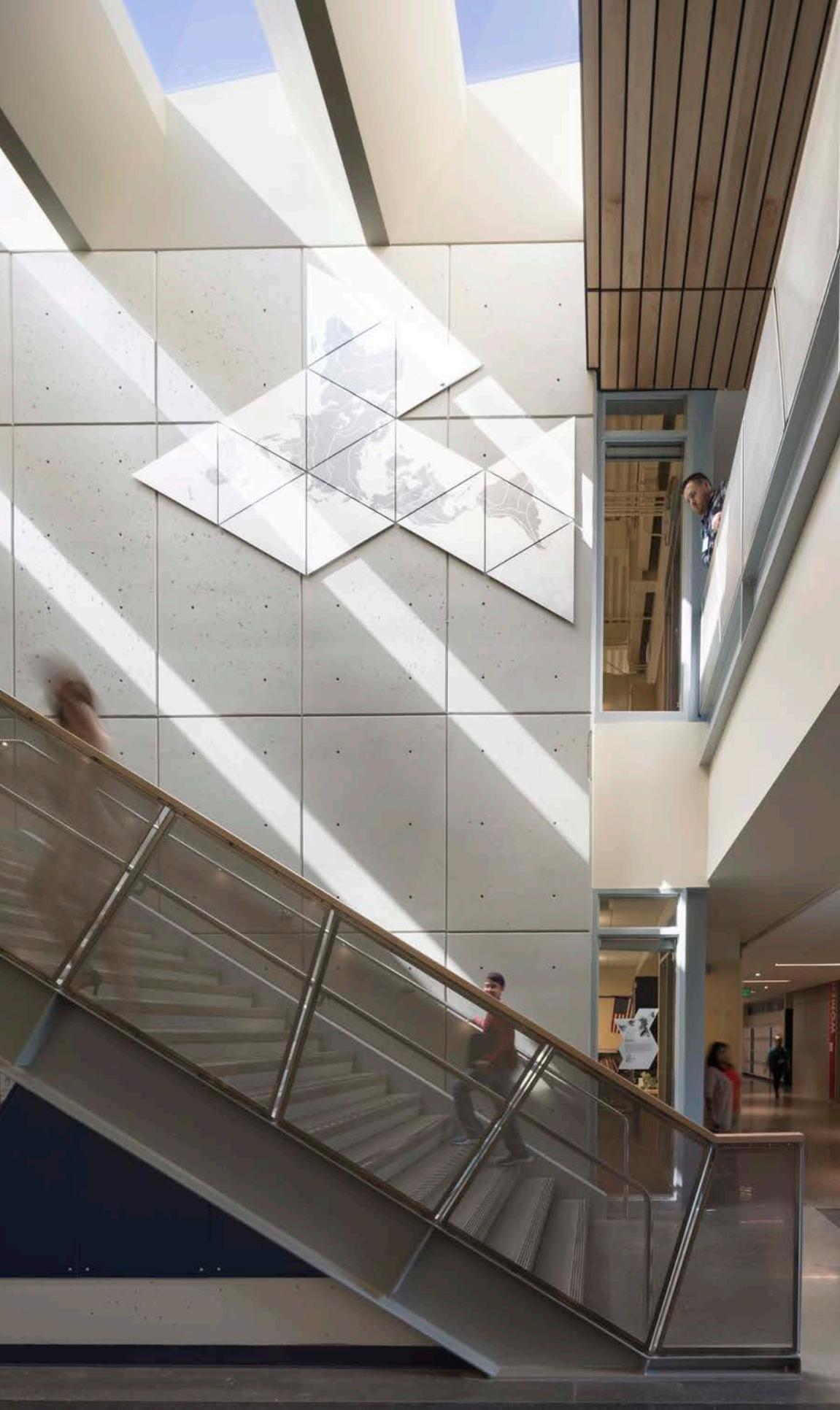
- Support staff in developing skills and knowledge to align with the firm-wide sustainable design mission

5. Outreach & Advocacy:

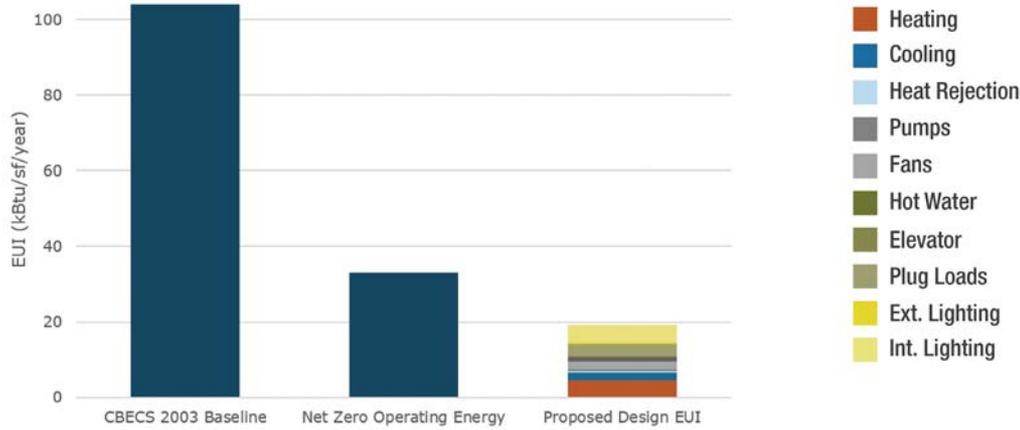
- Engage the profession and broader community in dialogue and meaningful action to address climate change

6. Operations:

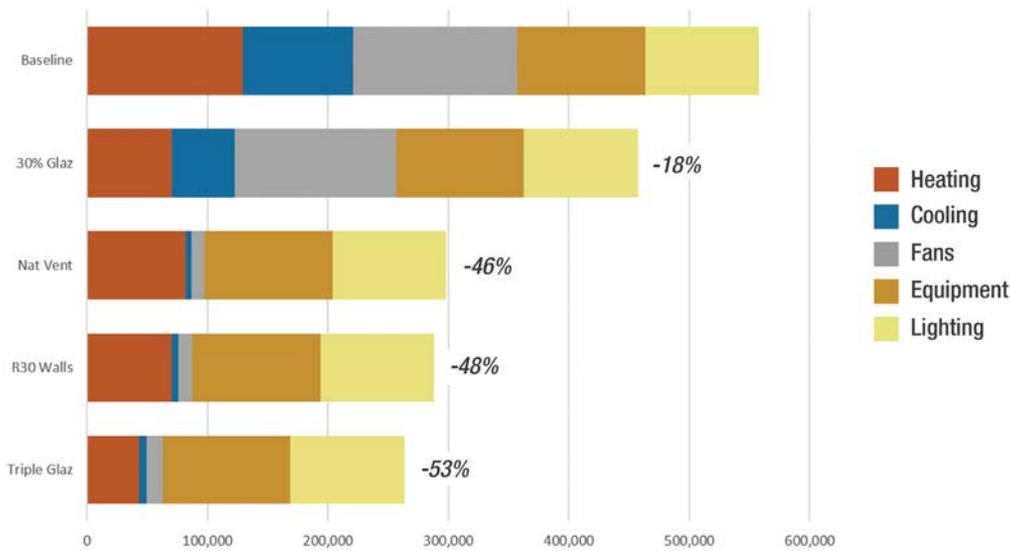
- Align operations with our sustainable design mission by setting yearly targets for reduction of our environmental impact
- Track performance and incentive participation



Site Energy Use Comparison



Annual Energy Use (kWh/yr)

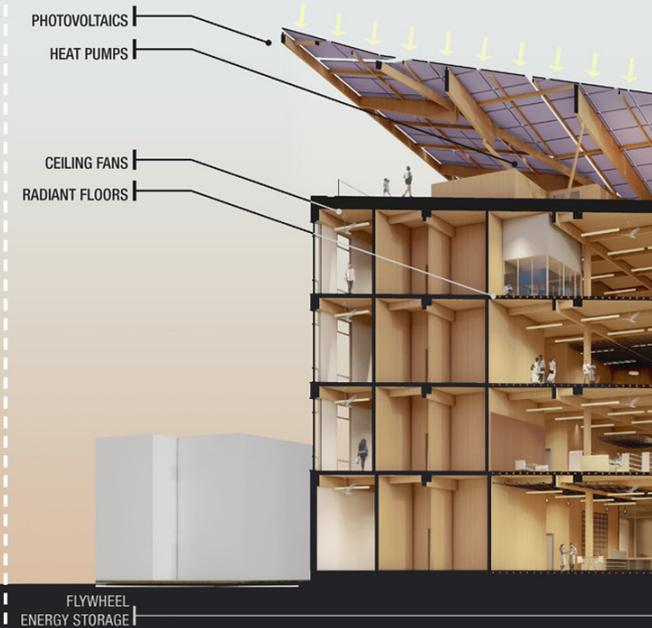
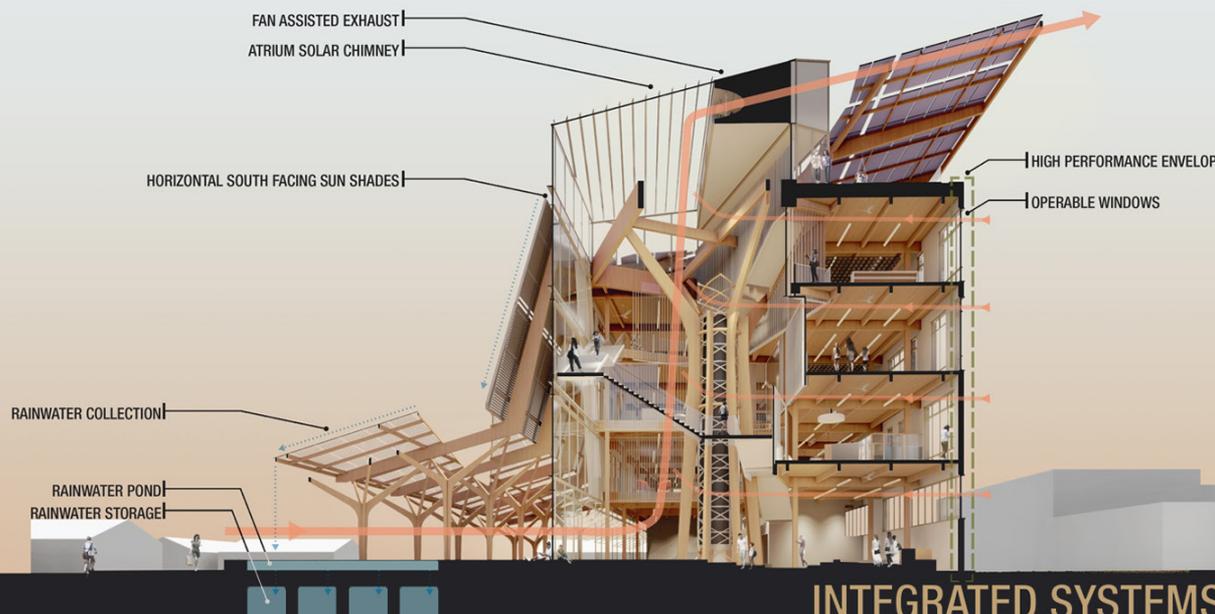


design process



Minimize Embodied & Operational Carbon Emissions:

- Complete Sustainable Opportunities Plan (pSOP) within 30 days of project inception
- Employ low/no cost passive design strategies to achieve maximum energy efficiency
- Establish an EUI baseline and target for each project
- Engage in iterative energy modeling throughout the entire design process to measure progress towards meeting the EUI target
- Evaluate and refine envelope detailing as part of rigorous QA/QC process
- Measure embodied carbon and explore reduction strategies
- Incorporate on-site and/or off-site renewable energy to meet the remaining energy demands
- Integrate energy efficient technology and systems



INTEGRATED SYSTEMS

S ↔ N

design process

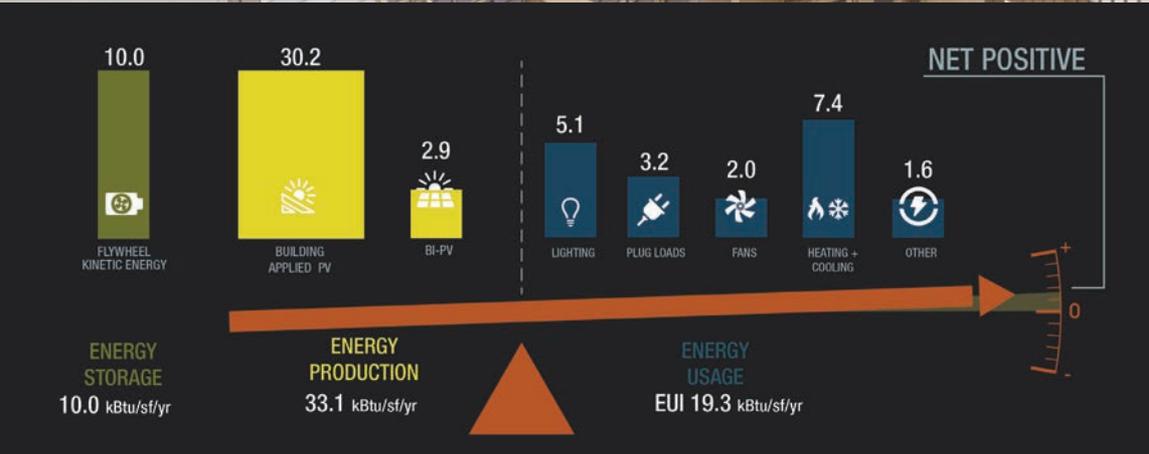


Protect & Restore Site Habitats & Ecosystems:

- Target net positive water
- Incorporate water-saving and water-reuse strategies
- Minimize the area of pavement and/or impermeable surfaces
- Consider the pre-development condition of the site
- Focus on ways to protect and restore habitats and ecosystems
- Connect place making with healthy site ecologies

Select Healthy Materials:

- Optimize indoor air quality to reduce pollutants and CO²
- Identify recycled content and/or local sourcing for final assembly
- Standardize all IA specs to meet LEEDv4 standards
- Vet all specified products for Red List Compliance
- Conduct LCA to measure and reduce the embodied carbon of materials
- Specify FSC certified wood
- Specify products with disclosed ingredients through a Declare Label or similar
- Specify products with an Environmental Product Declaration (EPD)



ACTIVE SYSTEMS

E ←→ W



collection evaluation & reporting



Develop a streamlined process for collecting, evaluating and reporting performance metrics:

- Where possible, measure embodied carbon
- Measure Lighting Power Density (LPD)
- Measure pEUI and compare against 2003 CBECS baseline
- Break out EUI by building energy uses
- Implement Post Occupancy Evaluation (POE) program

training & education



Provide tools, resources and educational opportunities to enable staff to advance the environmental performance of projects:

- Promote an office culture of dialogue, innovation and commitment
- Support staff in developing technical expertise and environmental literacy
- Curate internal educational resources
- Support staff in attaining green building credentials
- Engage with the *AIA Knowledge Communities*



Track printing and seek annual reductions in total quantity:

- Reduce drawing set printing
- Seek alternatives to printing

Reduce consumption-related waste:

- Require reusable/compostable dishware from food vendors
- Reduce consumption of bottled beverages
- Remove waste collection from individual desks

Investigate low-carbon food options for office consumption.

Conduct annual audit to measure progress and suggest alternatives.

Carbon Neutral Operations by 2050:

- Encourage employee carpooling and other carbon reducing commuting options
- Incentivize ways to reduce combustion-based business miles traveled, especially air travel
- Ensure office space lighting is optimized for least-use and other electrical power uses are minimized
- Adjust HVAC settings and seating arrangement to optimize for thermal comfort and energy reduction
- Eliminate use of localized space heaters



outreach & advocacy



Engage the profession in the exploration of new tools, processes and design thinking associated with building performance and environmentally responsible design.

Share our stories of successful, well-executed and impactful design solutions with clients, the profession and the community.

Advocate for change through social media, presentations and publications.

Support environmental policy change.







