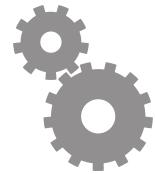


The David Rockefeller Creative Arts Center

Sustainability Highlights



General

LEED v4 Platinum anticipated

On track to LEED Zero



Energy

Integrative design process including early energy modeling

Back-up generator as a resiliency measure for power outage scenarios

Designed to achieve 50% energy savings over applicable code (ASHRAE 90.1-2010)

Increased night sky access and reduced the light pollution and energy use

On-site PV panels generating enough energy to support the building

Well-positioned & high performance windows and skylights

Enhanced commissioning of HVAC systems and envelope performance

Maximize daylight to reduce reliance on artificial light

100% LED lighting



Water

56% water use reduction from LEED baseline with efficient fixtures

Rain garden capturing rainwater runoff, managing it on-site, and improving water quality

Native planting on-site that does not require permanent irrigation



Indoor Air Quality & Comfort

High level of air filtration with MERV-14 air filters

Major materials are low-VOC emission

CO2 monitoring

High acoustic performance designed to minimize HVAC background noise, sound transmission, and reverberation time

Quality views that provide visually comfortable environment and connection to the site

Comfortable shaded exterior space under the trellis that promotes year-around use

Air quality testing before occupancy

New glass preventing bird collisions

Glare control with interior automated shading devices



Materials

Reuse of existing structure, envelope, and interior elements

High number of products with Health Product Declarations and other certifications listing of material ingredients for interior health

Implemented strategies to reduce the embodied carbon

High number of products with Environmental Product Declarations disclosing global warming and other pollution potential

Space designed for flexibility

Permanent wood materials from sustainably managed forests

Construction waste sorted on-site and increased diversion rate

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Sustainability Diagram

- 1 Restored Habitat
- 2 Native and Adapted Vegetation
- 3 Solar Panels
- 4 Rain Garden
- 5 Passive Shading Trellis
- 6 Ample, Controlled Daylight
- 7 Historic Building Reuse
- 8 Bird Friendly Glazing
- 9 Operable Windows
- 10 Site-Sensitive Exterior Lighting
- 11 Acoustic Finishes
- 12 Healthy Materials and Indoor Air Quality
- 13 All LED Lighting, Including Theatrical Lighting
- 14 Passive Shading with Deciduous Trees
- 15 High Reflectance, Reduced Heat Island Effect
- 16 FSC Certified Wood
- 17 Low Embodied Carbon Steel & Concrete
- 18 Efficient VRF Mechanical System (with DOAS & Energy Recovery)
- 19 Ultra-Efficient Plumbing Fixtures
- 20 Improved Envelope Performance
- EV Charging Stations
- Gender-Inclusive Bathrooms
- High Percentage of Construction Waste Recycling
- Net-Zero Operational Energy Balance

