



DAVID BROWER CENTER

Sustainable Features of the David Brower Center

The David Brower Center anticipates it will receive a LEED Platinum certification, the highest rating available from the US Green Building Council. The building is made with more than 50 percent recycled materials and will be at least 70 percent more energy efficient than conventional office buildings.

Unique green architectural and design features of the David Brower Center include:

Wall-to-Wall Energy Efficiency

- Photovoltaic panels on the roof and the cornice at the top of the building, which also double as a sun shades (preventing solar heat gain in the offices)
- Daylighting of all office areas so that on a normal day, there is no need to turn on the lights
- High-efficiency lighting with “smart lighting” controls that sense if and when lighting is needed
- Extremely low energy mechanical systems using radiant heating and cooling within the building’s concrete structural slabs, uniquely combined with an under-floor displacement ventilation system
- Operable windows and low pressure ventilation via the raised floor system to maximize indoor air quality
- Solar shades on all south-facing windows
- CO₂ sensors that call for extra fresh air as required

“Green” Structural Integrity

- Concrete with high slag content that increases strength *and* reduces the CO₂ footprint typical for concrete by up to 45% -- thus saving over a million pounds of CO₂ emissions
- Self-healing structural system that uses a unique vertical post-tension system that protects the building in the case of an earthquake event

Resourceful Conservation

- Collection and reuse of rainwater for irrigation and toilet flushing
- Sustainable, locally sourced interior finish materials that maximize recycled content, avoid off-gassing, and minimize environmental impacts from production and transportation, including:
 - Doors, tables, counters made from local reclaimed wood
 - Eco-Carpet made of 100% recycled material; Designed to be recycled again after its useful life
 - “Plyboo” wood paneling made from bamboo, a renewable resource
 - Rain-chain made from re-purposed artillery shells
 - Reception wall art installation made from local clay
 - Lobby ceiling art piece from a local storm-downed tree
 - Counters from recycled glass

Transit and Bike Friendly

- Conveniently located close to the downtown Berkeley BART station
- Onsite bicycle parking and showers available for tenants