Portland State UNIVERSITY

SBA Building Design and Sustainability Visions

Design Vision

Serves the broad needs of all students, staff, and the business community in a building that reflects and operates in harmony with one of the world's most livable and sustainable cities.

Design Objectives

- Adaptable and flexible
- Unified
- Reflects Pacific NW values: elegant, respectful of the earth, in harmony with the urban landscape, pioneering, elemental, rustic simplicity, unadorned
- Welcoming, inviting, engaging, inspiring, compelling
- Demonstrates and exemplifies the collaborative and open culture of business today
- Quality education while exceeding student and staff expectations for career, community, food services, data, childcare support (cognizant of current and future target markets)
- Distinct design reflective of core ethos (change, build, serve, sustainability, leadership, innovation, community engagement)
- Stretches students aspirations by Inspiring and building confidence to achieve at a higher level
- Users feel safe and secure during all hours
- Connects the inside to nature

Sustainability Vision

Incorporates best in class sustainability design, construction and operational practices as a means to reduce operating costs, increase flexibility for future needs, demonstrate the business case for sustainability, and profoundly reducing the ecological impact of the building's lifecycle.

Sustainability Objectives

- Platinum LEED
- Demonstrates the business model for sustainability
- Educate inhabitants in how to "live" in a sustainable building
- Healthy environment for inhabitants
- Visible indicators tell inhabitants the story about energy and water use
- Provides opportunity for students to study the business case for sustainability
- On-site waste water treatment
- Leverage opportunities from green street (Montgomery)
- Maximize use of renewable energy with goal of net-zero carbon footprint
- Zero potable water used for non-potable use (toilet flushing, irrigation, exterior cleaning, etc.)
- Zero waste in operations
- Reduce and to the degree possible eliminate toxic materials in construction process (or, "maximize reliance on Healthy Building Materials")
- Maximize use of local materials that are either recycled or from rapidly renewable sources
- To the degree possible, replicate pre-development ecological function of the site