



STEERING COMMITTEE MEETING

3 May 2010

Kansas City Parks and Recreation Department
University of Missouri – Kansas City
City of Kansas City, Missouri
Economic Development Administration
Congressman Cleaver's Office



Stakeholder Input Vision Building + Site Goals

The following **Stakeholder Input** slides highlight topics raised by community stakeholders during the Visioning Workshop (March 16) and Open House Forums (March 25 + 27).

STAKEHOLDER INPUT

Building bridges

Strengthening connections

Education by emersion

Urban agriculture + culinary arts



STAKEHOLDER INPUT

“Show me” green

Cooperation between university + community

Incubator for leaders

Living laboratory



STAKEHOLDER INPUT

Hands-on experience; green jobs

Youth engagement

Regional outreach

Complement existing partners/programs



STAKEHOLDER INPUT

Cutting edge research; rise to the occasion
Network of global sustainability centers
Resource center
Food / nutrition



VISION

The Climate Sustainability Center will be **A SEED** to grow a thriving **GREEN ECONOMY** in **KANSAS CITY**, building **SYNERGIES** among research, educational, entrepreneurial, labor, government and community **STAKEHOLDERS**.



PROJECT GOALS

ENERGY

WATER

MATERIALS

WASTE

URBAN AGRICULTURE

TRANSPORTATION

EDUCATION

BEAUTY

HEALTH + HAPPINESS



Several of the following **Project Goals** are derived from the *Living Building Challenge*.

Refer to the

International Living Building Institute
website for additional information.

www.ilbi.org

ENERGY

- 100% of energy needs from on-site renewables



WATER

- 100% of water from on-site
- 100% of building discharge and stormwater handled on-site



MATERIALS

- No toxic materials
- Account for embodied carbon footprint
- Only FSC */ salvaged / on-site wood
- Appropriate sourcing of resources (local first)

** Forest Stewardship Council*



WASTE

- 98% waste reduction



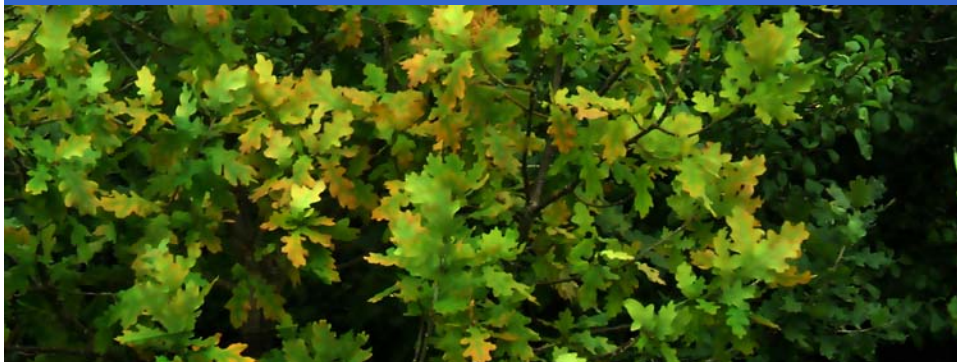
URBAN AGRICULTURE

- 15% of site for food production (30,630 SF or 0.70 A)



TRANSPORTATION

- Optimize walkability
- Optimize diversity of transportation options



EDUCATION

- Observable and measurable building behavior



BEAUTY

- Human delight
- Iconic
- Uniquely Kansas City



HEALTH + HAPPINESS

- Operable windows for air and daylight
- Healthy indoor air quality
- Biophilia (love of living systems)
- Human scale / humane places



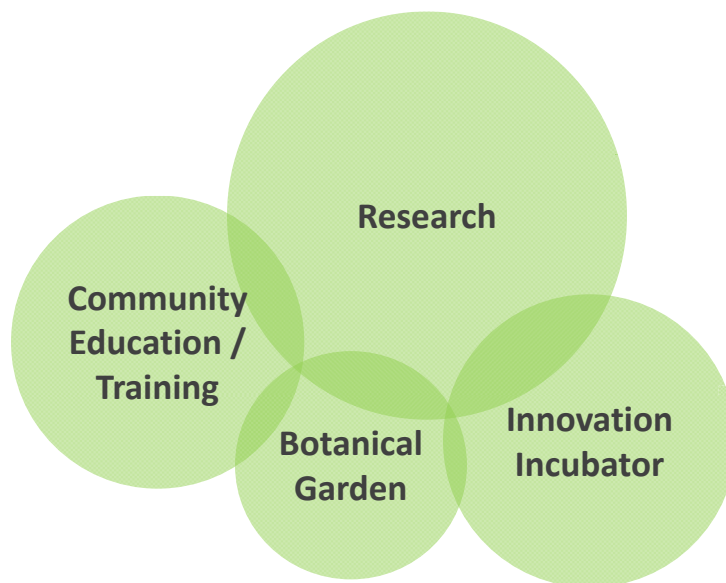
ECONOMIC FEASIBILITY

- Fundable building
- Sustainable operations and programs



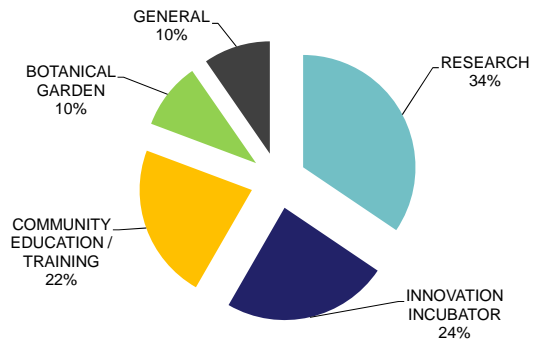
Program

Climate Sustainability Center



BUILDING PROGRAM

	Net SF	Gross SF
Research	50,000	76,900
Incubator/Tech. Transfer	34,600	53,300
Education	32,500	50,000
Botanical Garden	14,000	21,500
General	14,000	14,800
TOTAL	145,100	216,500



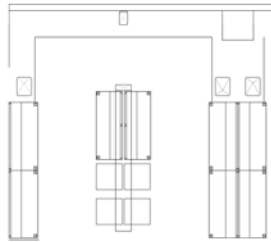
Research

The center will provide educational, research and laboratory studies for the development of environmentally friendly applications and products. Research will focus on services and products for the government sector, entrepreneurial and small business development opportunities. A small business incubator will also be part of the center.



Research Laboratory

- Wet labs
- Dry labs



Technology Transfer

- From research to marketplace
- 4 staff offices
- Conference rooms

Innovation Center

- Institute for Entrepreneurship & Innovation (IEI)
- KC SourceLink
- Small Business & Technology Development Center



**Green Tech
Business
Incubator**

- Administrative / Business Services
- Office space
- Conference rooms
- Laboratory space



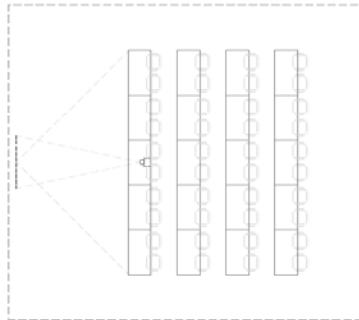
Education

The curriculum, including classroom, laboratory and work shop programs will be established by the job providers and educational partners. The programs will provide hands-on training and employment opportunity services to students and graduates.



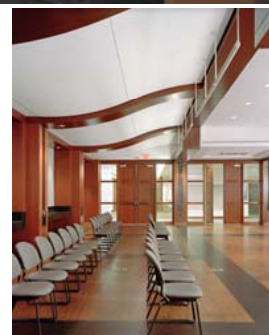
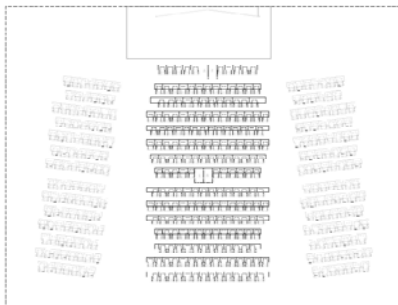
Classrooms

- Four 40-person classrooms
- Highly flexible



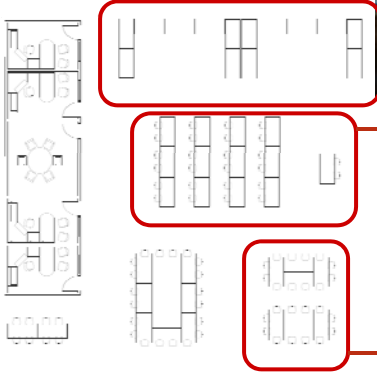
Public Forum

- 400-person public gathering
- Non-fixed seating
- Highly flexible



Technology Training Office

- 4 staff offices
- Conference room
- Highly flexible



Interactive exhibit spaces



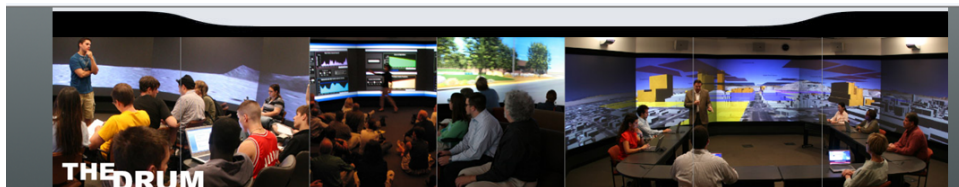
Computer training



Lecture style training

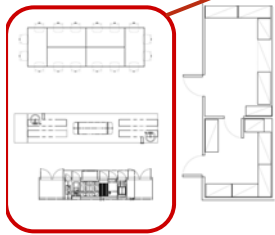
Decision Theater

- A place to help the community make complex decisions



Community Kitchen

- Cooking suite with space for viewing, tasting and storage



Botanical Garden

A cutting edge, hands-on botanical garden and agricultural research facility which provides opportunities for scientists, students and the public to cultivate, document and tend a wide variety of plants, including plants native to the area. An anticipated focus will be on agricultural techniques and processes for farmers and related small businesses, and their relationship to Parks and Recreation Properties and programs.



**Site
Programming
Meeting**
(5/16/2010)

- Scholarly but compatible with public activities
- Off-site opportunities: Cleaver streetscape; Oxbow
- On-site nursery
- Vertical farming / green roofs
- Demonstration of
 - urban condition (density)
 - nutrient-cycling (water, waste, plants)
 - neighborhood connections
- Maintenance required



**Botanical
Garden**

- Conservatory



Botanical Garden

- Interactive learning
- Plant library
- Geo-caching (GPS treasure hunt)



Botanical Garden

- Green roofs
- Vertical farming
- Stormwater strategies



**Botanical
Garden**

- Urban agriculture
- Food forest
- Connection to UMKC research
- Connection to Green Impact Zone
- Partnership with Powell Garden



World-Class

The **Climate Sustainability Center** has the capacity to become a world-class institution through:

- Attraction of world-class **researchers**
- Alignment with highest standards of **sustainable design and construction**
- Unique **connection** to its location within the Green Impact Zone **community** of Kansas City

Climate Sustainability Center

RESEARCH

BUILDING + SITE DESIGN

COMMUNITY CONNECTION

The **Climate Sustainability Center** meets people where they **are** and takes them where they want to **go**.

Whether you are:

A child in a science class

A scientist studying water

An entrepreneur with an idea