Sustainability Best Practices
for
The City of University City, Missouri
September 29, 2012
The University City
Green Practices Commission:

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Sustainability

“Meeting the needs of the present without compromising the ability of future generations to meet their own needs.”

- UN Brundtland Commission, 1983
Mission

The mission of the Green Practices Committee of University City is to encourage sustainable practices and programs that improve the health and quality of life of our community; restore and protect our natural resources; and strengthen our economy.
Vision

Our vision for University City is to have a fully engaged community – city government, citizens, students, business owners, and patrons that integrate sustainability into every decision made, every action taken.
Values

Our values are three-fold.

• We believe there is a connection between economic, environmental and social well-being.

• We believe we must be stewards of our community; therefore, this compels us to use our knowledge to enhance the quality of life of future generations.

• We believe that local behavior and global development are linked: this requires that we think globally, as we act locally.
The Triple Bottom Line:

The simultaneous pursuit of economic prosperity, environmental quality and social equity

- People
- Planet
- Profit
Sustainability Strategic Plan Matrix

- Ecosystems/ Habitat
- Water/ Stormwater
- Air Quality/ Transportation
- Waste/ Resource Conservation
- Land Use/ Open Space/ Parks
- Energy
- Green Buildings
Sustainability Strategic Plan Matrix

- **Ecosystems/Habitat**
  - Use local expertise to evaluate & restore habitats
  - Provide environmental education
Sustainability Strategic Plan Matrix

- **Water/ Stormwater**
  - River Des Peres
  - Address issues with stormwater runoff & flooding
  - Develop strategies to reduce potable water use
Sustainability Strategic Plan Matrix

• Air Quality/ Transportation
  ❖ Strategies to improve air quality
  ❖ Reduce CO2 emissions from vehicles
Sustainability Strategic Plan Matrix

- **Waste/ Resource Conservation**
  - Reduce waste – City, commercial, residential
  - Improve recycling & composting practices, participation
Sustainability Strategic Plan Matrix

- **Land Use/ Open Space/ Parks**
  - Comprehensive planning & zoning ordinances
  - Design standards
  - Enhance & improve land use, open space in U City
Sustainability Strategic Plan Matrix

• **Energy**
  - Reduce energy use
  - Use energy efficient vehicles
  - Renewable energy
  - Reduce carbon footprint – City, residences
Sustainability Strategic Plan Matrix

- Green Buildings
  - Green Building Code
  - Rating Systems – LEED, Energy Star
  - Sustainable operations & maintenance of existing buildings
### Action Items - Cost & Status from Resolution 2009-18

<table>
<thead>
<tr>
<th>Action Item</th>
<th>Cost</th>
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<tbody>
<tr>
<td>1. Perform a Greenhouse Gas (GHG) Emissions Inventory</td>
<td>$8,000 from DOE grant</td>
</tr>
<tr>
<td>2. Perform energy audits of all City facilities &amp; develop an Energy Master Plan</td>
<td>$20,000-25,000 estimated fee. Can also investigate the Ameren and Laclede Gas business incentive programs to see if there are funds available for energy audits.</td>
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<tr>
<td>3. Define sustainable design guidelines for capital projects &amp; return on investment expectations</td>
<td>No cost; this is a policy decision</td>
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### Action Items - Cost & Status from Resolution 2009-18

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<td>4.</td>
<td>Analyze street lighting and develop approach to reduce energy use &amp; cost</td>
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<tr>
<td>5.</td>
<td>Revise Building &amp; Zoning codes to align with sustainable design, construction &amp; operating best practices</td>
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$140,000 from DOE grant

Already in process; the IGCC (International Green Construction Code) is compatible with the International Building Code, 2006 Edition adopted by University City.
Action Items – Cost & Status from Resolution 2009-18

Energy Audits:

$20,000-25,000 estimated fee
- Restore to University City budget
Thank You!

University City
Green Practices Commission