Texas State University Campus Plan Update

Sustainability Symposium

April 27-29, 2011
Master Plan Update Schedule

**Academic Calendar**
- Fall 2010
- Spring 2011

**Phase 1: Analysis & Assessment**
- Kick-off, analysis, assessment, symposia planning

**Phase 2: Symposia**
- Further analysis, internal and external user outreach
- Transportation System
- Athletics, Campus Recreation & Department of Health & Human Performance
- Infrastructure & Information Technology
- Sustainability
- Student Housing

**Phase 3: Recommendations & Reporting**
- Key observations, symposia results, POMCait, recommendations

**Legend**
- Web-Conference
- Symposia Meeting
- Texas State University System Board of Regents/Staff Meeting

**Symposia Process**
- Web-Orientation → Symposia Preparation → Symposia Visit → Reporting

Each symposia “cycle” will last approximately 4-6 weeks in duration, consisting of four steps: 2 hours web-orientation, 2-3 weeks preparation, 2-3 day event, and a 1-2 week report generation.

**Meeting Process**
- Meeting/Work Session → Reporting

Each meeting “cycle” will be approximately 2-3 weeks in duration, consisting of two steps: 1/2-day or 1 day work session/meeting, and 2-3 weeks of report generation.

*Broaddus Planning*
A tenet of modern thought states that architectural form reflects the cultural aspirations of the society.

Nowhere is this reflection more recognizable than in the architecture of the American college and university campus.
2010-2011 Common Experience

Solar Demonstration Projects
Tree Planting
Sustainable Food
RecycleMania
Walk for Water
“No Impact Week”
Environmental Justice
Human Rights & Equity
## Preliminary Observations

<table>
<thead>
<tr>
<th>Infrastructure</th>
<th>Social</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings &amp; Infrastructure</td>
<td>Social Change/Data Analysis</td>
</tr>
<tr>
<td>Energy/Utilities</td>
<td>Strategic Planning</td>
</tr>
<tr>
<td>Transit/Pathways</td>
<td>Long-Term Planning</td>
</tr>
<tr>
<td>Capital Renewal</td>
<td>• Sustainability</td>
</tr>
<tr>
<td></td>
<td>• Biking</td>
</tr>
<tr>
<td></td>
<td>• Water</td>
</tr>
<tr>
<td>Ultra Low-Flow Faucets</td>
<td>Governance</td>
</tr>
<tr>
<td>High Efficiency Lab Hoods</td>
<td>• Intern Program</td>
</tr>
<tr>
<td>Lighting</td>
<td>• Faculty Fellow Position</td>
</tr>
<tr>
<td>Landscaping</td>
<td>• University Committee</td>
</tr>
<tr>
<td></td>
<td>• Sustainability Coordinator?</td>
</tr>
</tbody>
</table>

- Funding Opportunities
Validation – Transportation Ideas

- SOV reduction – largest “gain” in terms of carbon reductions

- Consider whole system approach:
  - Integrate bus, bike, pedestrian, ADA, skateboard, parking & cars
  - “Game Changing” Rail & reciprocal re-prioritization on need for parking decks/lots
  - Town-Gown Connectivity

- Other Ideas
  - Zip Cars
  - Social Networking
  - Shared Bike Programs
Validation – Infrastructure Ideas

• Steam & Heating Systems – Inefficient
  • Life Cycle Costs

• Electricity – At Capacity
  • CONSERVATION
    • Lighting Retrofit
    • Total Integrated Design

• Chilled Water – Interconnect

• Domestic Water – Supply
  • How to assign value to something that’s “free”?!
  • Finite Resource
  • Impact of overconsumption on other systems

• Storm Water
  • Investigate Rain Water Harvesting
Athletics, HHP, & Campus Recreation:
• Rain Water Harvesting
  • Cisterns
  • Irrigation
Discussion