Climate Change Solutions for U.S. and German Cities
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History

✓ First partnership of its kind – public entities
✓ Started in 2004
✓ Improve
  ✓ environmental education,
  ✓ environmental health, and
  ✓ environmental management
✓ Stewardship of tax dollars
✓ Environmental Principles
✓ Strengthens Partnership and each Partner’s commitment to sustainability
## Collective Resources

<table>
<thead>
<tr>
<th>Resource</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employees</td>
<td>26,000+</td>
</tr>
<tr>
<td>Land (acres)</td>
<td>25,000</td>
</tr>
<tr>
<td>Buildings</td>
<td>500+</td>
</tr>
<tr>
<td>Students</td>
<td>120,000+</td>
</tr>
<tr>
<td>Vehicles</td>
<td>7,000</td>
</tr>
<tr>
<td>Annual energy use ($)</td>
<td>$40 million</td>
</tr>
<tr>
<td>Gas/Diesel use (gallon)</td>
<td>12 million</td>
</tr>
</tbody>
</table>

- Increasing 5% - 7% per year
Issues demanding change

- Climate change
- Energy costs
- Budget issues
- Economic slow down
Leadership Committees

✓ Interagency Coordinating Committee
  • Focus and direction
  • High-level representatives
  • Meet two to three times/year
  • Conduit of communication to 3 leaders

✓ Steering Committee
  • Day-to-day operations and issue resolution
  • Mid-level representatives
  • Meets bi-weekly
  • Conduit of communication to 3 leaders
Synergism of Partnership

- Improved education of community
- Shared expertise
- Economies of scale in purchasing, contracting, environmental management
- Joint research, studies
- Coordinated fundraising
- Improved capacity building within each of the 3 organizations
  - Peer to peer, not top-down, advocacy
Achievements

✓ 2007 National Association of Counties Sustainable Communities Award

✓ Louisville Smarter Cities 2009 Ranking #21

✓ Climate Change Committee Partnership Climate Action Report Released
  • Two years, 200 people, community participation
  • Eight sections
  • 175 recommendations
  • Ongoing monitoring
  • Goals & objectives for teams
  • Climate Action Plans at partners
Achievements of Select Teams

✓ Environmental Education
  ✓ *What Every Environmental Educator Should Know About Louisville Metro*
  ✓ Bioneers 2009
  ✓ Conducting EE courses for Honors Program
  ✓ Link EE to core content

✓ Environmental Health
  ✓ Asthma studies JCPS/Health Dept/UofL
  ✓ Project at Lassiter MS
    • Correlation between absenteeism and asthma
  ✓ Adaptive strategies for respiratory disease
    • Air quality alert days
Asthma

- Leading cause of chronic absenteeism
  - Doubled in last 20 years
- Impacts schools with higher levels of poor, minority populations
- As high as 10% of Louisville school children
- Coordinated education program
- Improved access to clinical care
- Reduce exposure to environmental triggers
Achievements of Select Teams

✓ Green Buildings
  ✓ Energy Savings Performance Contracts
  ✓ Energy Star Partners
  ✓ Energy Awareness can save 15 – 20%
  ✓ Innovative light shelves
  ✓ LEED Certified/Energy Star buildings
  ✓ Wind Turbines and Solar Power

✓ Green Fleets
  ✓ Right-sized vehicles
  ✓ Hybrid/alternative fuel vehicles
  ✓ DPF Grants with LMG and JCPS
  ✓ Promoting alternative transportation vs. 24 M vehicle miles/day
Achievements (cont.)

✓ Green Infrastructure
  ✓ Stormwater MOA developed
    • Keep stormwater out of combined sewer
    • Seeking infrastructure improvements vs. stormwater management fees

✓ Green Issues Orientation
  ✓ New employee orientation and Professional Development

✓ Green Jobs
  ✓ Green job training/professional development
  ✓ Education, training, certification, apprenticeships
Achievements - Green Purchasing

- New purchasing MOA
- Seeking joint contracts
  - New paper contract
  - Energy efficient replacement lamps (bulbs)
  - Bulb & ballast recycling
  - Green cleaning chemicals
  - Mulch/landscaping materials
  - Ink jet and toner cartridge recycling
  - Apparel considerations
Achievements (cont.)

✓ Local Foods
  • Increase local foods
  • Farmer’s Markets and CSAs

✓ Urban Forestry
  • Urban canopy inventory plan
  • Identified storm assessment models
  • Emerald Ash Borer

✓ Waste Management
  • e-recycling
  • Single stream recycling
Where do we go from here?

✓ Seek grant funding for projects
✓ Projects seeking greatest cost savings
✓ Projects achievable in near future
✓ Sustainability measurement matrices
✓ Energy Awareness/Vampire Loads
✓ Continue increasing partner’s sustainability
✓ Joan Riehm Environmental Leadership Award
✓ Move Louisville toward Green City status
Questions?

✓ Comments?
✓ Thoughts?
✓ Thank you!

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