Managing Urban Warming in Louisville, KY: Indicator Uses and Needs

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Louisville’s Sustainability Plan

- 17 Major goals
- 80+ initiatives
- Six focus areas
  - Energy
  - Environment
  - Transportation
  - Economy
  - Community
  - Engagement
TOP 20 MOST RAPIDLY WARMING URBAN HEAT ISLANDS IN UNITED STATES: 1961-2010

NEW YORK
ST LOUIS
PHILADELPHIA
MINNEAPOLIS
EL PASO
ALBUQUERQUE
BATON ROUGE
WASHINGTON DC
RICHMOND
PORTLAND
OKLAHOMA CITY
TOLEDO
PORTLAND
RICHMOND
WASHINGTON DC
BATON ROUGE
ALBUQUERQUE
EL PASO
MINNEAPOLIS
PHILADELPHIA
ST LOUIS
NEW YORK

SOURCE: URBAN CLIMATE LAB, GEORGIA INSTITUTE OF TECHNOLOGY
Average Daily High Temperature
May-September 2012
Urban Heat Island - Scenario Modeling Results

Green

Cool

All Combined
Urban Heat Island – Population Vulnerability
Tree Canopy Coverage
Green for Good Pilot

Health Screening
Indicators in Adaptation Planning

- Working on Climate Action Plan
- Beginning Climate Adaptation Program
- Assess climate related hazards and vulnerabilities
- Integrate with ongoing work
  - 100 Resilient Cities
  - Hazard Mitigation Plan
  - Advanced Planning
- How to make the indicators more powerful

Next Steps: Indicator Uses and Needs
How Do We Leverage the Available Tools?

• Cities are all different
• Time and resources are limited
• Equity issues must be addressed
• How do we focus efforts between agencies
• Identify opportunities to connect the dots
• Public engagement – community input

Questions?
Thank You!

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