



# **Sustainable Skylines**

**Working for People, Planet, and Prosperity**



- **Integrate transportation, energy, land use and air quality planning**
- **Implement projects that yield measurable air quality benefits within 3 years**



- **Environmental Aspects**
- **Economic Aspects**
- **Social Aspects**



# National Project Categories

- **At least one project in 5 of the 7 categories:**
  - **Central city livability**
  - **Stationary and area sources**
  - **Energy/climate**
  - **Land use transportation strategies**
  - **Diesel engines**
  - **Green buildings and developments**
  - **Off-road sources**



**Sustainable Skylines - Dallas**



**Sustainable Skylines - Kansas City**



- **Areas with a focus on local air quality concerns but have opportunity for multi-media co-benefit**
- **Areas in non-attainment or near non-attainment**
- **Areas with air toxic concerns**
- **Areas with a focus on climate change**
- **Medium to large sized communities with a significant corporate presence**



- **Provide background on the National Sustainable Skylines Initiative (SSI) effort**
- **Discuss status of Dallas and Kansas City projects**
- **Discuss initiative expansion**





- **EPA program designed to help cities reduce their emissions and promote sustainability with the goal of cleaner and healthier air.**
- **Participants work cooperatively with EPA and other partners to increase community participation and leverage resources.**



- **Place-based and locally-driven**
- **Collaboration between multiple stakeholders**
- **Leverage from cities and partners**
- **Utilize consensus-based project selection approach**



# SSI National Goal

**10 by 2010**

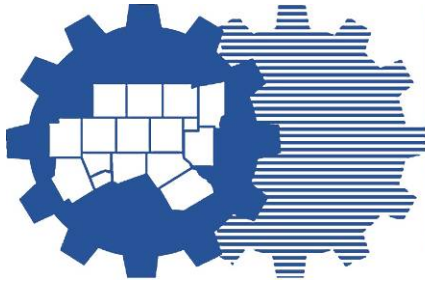
**Have in place by 2010  
10 area projects**

# Dallas Sustainable Skylines Initiative (DSSI)



City of Dallas

A three-year public-private partnership to promote sustainability in the City of Dallas.



North Central Texas  
Council of Governments





## Sustainable Skylines - Kansas City



...a partnership for clean air and sustainability in Kansas City

[www.epa.gov/region07/citizens/ssi.htm](http://www.epa.gov/region07/citizens/ssi.htm)

# KC Idle-Free

## Idle Reduction Makes \$ense

Limiting engine idling reduces:

- Fuel costs
- Human exposure to exhaust emissions
- Diesel engine wear and maintenance costs
- Emissions contributing to ozone and greenhouse gases

KC Idle-Free is a campaign to educate public and private diesel fleets on the benefits of reduced idling.

**A solution to reduce air pollution!**





# Parking Lots to Parks

## Heat Island Mitigation



Reducing the urban heat island effect  
through green parking lot design

From this . . .



To this!



**Benefits include:**

- Reducing temperature
- Reducing air and water pollution
- Managing storm water
- Making parking lots pedestrian friendly

# "Constructing" Clean Air

## Pursuing Clean Diesel Technologies



## Benefits of diesel retrofits:

- Reduced fine particle emissions by at least 20 percent
- Reduced hydrocarbon emissions by 50 percent
- Reduced carbon monoxide by 40 percent
- Improved air quality



# Five Green Things

## How do we become a green region?



## What commitments can we make for a sustainable future?

Revitalizing core neighborhoods and building green...



...to minimize urban sprawl and vehicle dependency.

Walking...



...instead of sitting in traffic.

**Our goal is to create a sustainable region by increasing the vitality of our social, economic and environmental systems for the benefit of current and future generations.**

Recycling...



...instead of filling the dumpster.

# Be Water Wi\$e

Conserve water!



Over watering is wasteful, washes away fertilizers and other chemicals, and contributes to storm water pollution.

Routine system maintenance and simple adjustments to watering schedules can save water and money.



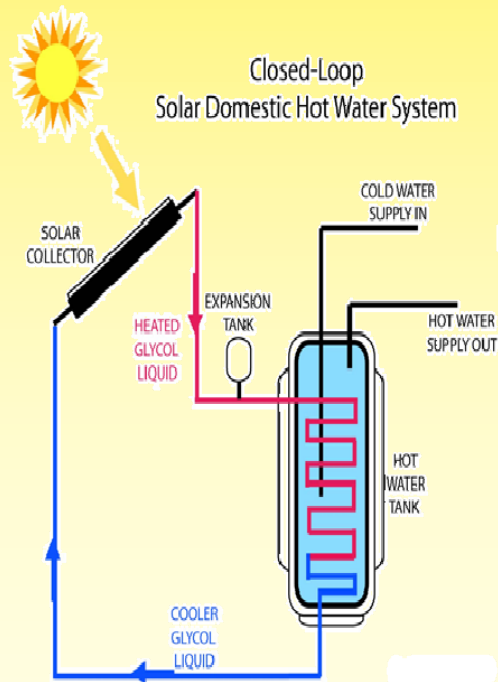
Rain gardens are smart because they:

- Remove storm water pollution
- Control flooding and erosion
- Cut mosquito populations
- Are attractive



# Solar KC

... a solar power program for schools  
and public buildings



Solar panels for a one kilowatt system can reduce annual emissions of:

- Carbon monoxide by 2,492 pounds
- Sulfur dioxide by 13 pounds
- Nitrogen oxides by 4 pounds

Solar hot water systems reduce greenhouse gases by an average of 20 percent.





# For More Information

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