



# Sustainable Skylines - Dallas

Presentation at the EPA Sustainable Communities Conference  
Dallas, Texas March 9, 2009

Eric Griffin, City of Dallas

Chris Klaus, North Central Texas Council of Governments

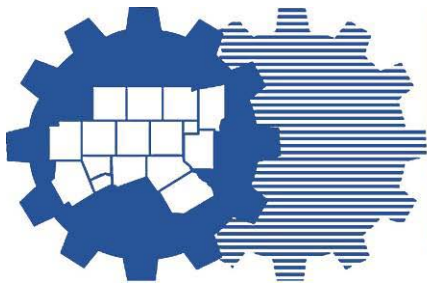
Carl E. Edlund, U.S. Environmental Protection Agency-Region 6

# 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





# DSSI Background

- Stakeholders met in December 2006
- EPA committed \$250,000 to begin DSSI
- Core Management Group:
  - EPA (Region 6, OAQPS)
  - City of Dallas
  - NCTCOG





# Project Categories

## Seven Projects in Five Categories:

1. Central city livability
2. Green buildings and developments
3. Renewable energy/energy efficiency
4. Stationary/area sources
5. Off-road sources



# Current, Official Partners



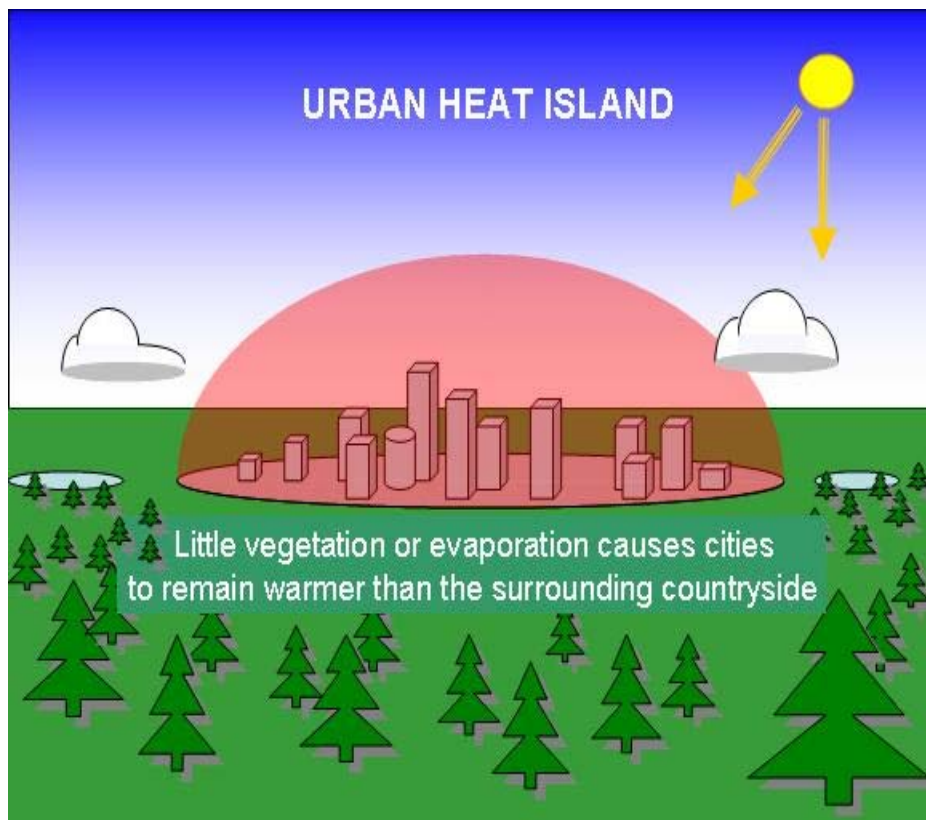
- Green Mountain Energy
- KDFW-TV Fox 4
- Yellow Cab Dallas/Fort Worth
- Agriboard
- Dallas Habitat for Humanity
- IKEA
- Sustainable Development, LLC
- Dallas Independent School District
- Da Vinci School
- 3 Billion Renewable Energy
- Texas State Energy Conservation Office
- GreenStar Builders
- Professional Polish
- Bushman USA
- CDM
- Energy Xtreme
- Ferrier Custom Homes
- JC Penney
- Keep Dallas Beautiful
- Standard Renewable Energy
- Sierra Club

# Main tasks

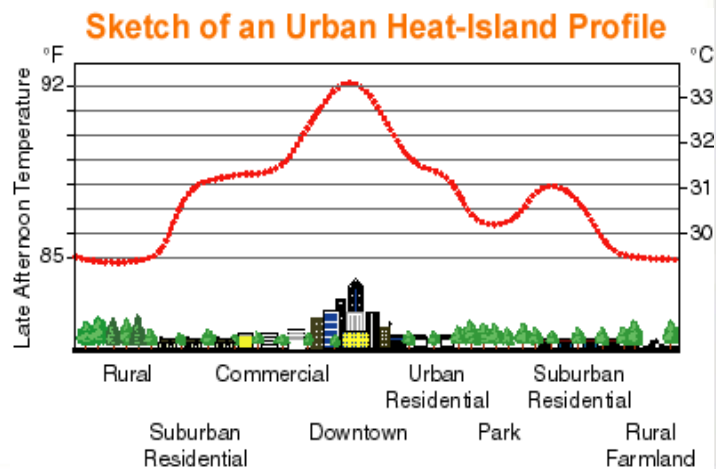
- **Partners reduce the emissions**
- **DSSI:**
  - **Provides some initial funding**
  - **Publicizes sustainability actions to encourage partners and potential partners**
  - **Quantifies pollution reductions**
  - **Convenes, brings parties together**



# Project 1: Urban Heat Island/ Stormwater Mitigation



- Cool surfaces
- Decrease electricity use
- Reduce air emissions
- Reduce stormwater runoff





# Project 2: Green Taxi Program

- Incentivize the replacement of 325 Dallas-Fort Worth area taxis to very low-emitting vehicles





## Project 3: Green Buildings/Homes Project

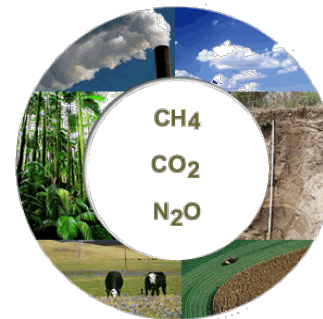
- Increase market penetration of affordable, green homes





# Project 4: Greenhouse Gas Strategy

- Implement energy efficient and renewable technologies for City-owned and other affiliated buildings
- Support greenhouse gas reduction strategies in City's Sustainability Plan



**The power of poo: Animal waste to fuel zoo**

**'Poo and pee is our bread and butter,' Dallas Zoo official says of opportunity**



## **Project 5: Renewable Energy/ Energy Efficiency Outreach**

- **Reduce energy usage in retail stores**
- **Increase the energy efficiency awareness of customers**
- **Promote the purchase and use of energy efficient household items**
- **Educate DISD students & their parents regarding energy efficiency**





## **Project 6: Site Assistance Visits Plus Program (SAV+)**

- **State Agencies provide Pollution Prevention (P<sup>2</sup>) guidance to NGOs, cities, businesses**



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**



## Project 7: Small Off-Road Equipment Replacement & Retrofits

- Replace small gas and diesel powered landscaping and maintenance equipment with electric and hybrid powered equipment





# Current Funding

Project:

Funding:

Urban Heat Island/Stormwater	Up to \$2 million available in City Tree planting funds + \$65k from EPA-R6 for HARC study
Green Taxis	\$325k from Sue Pope + \$1.3 million in RTC funds
Green Buildings/Homes	\$75k from EPA (\$50k OAQPS, \$25k R6) + \$125k from Sue Pope Fund
Greenhouse Gas Strategy	\$85k from EPA (\$50k OAQPS, \$25k R6, \$10k R6 zoo methane) + \$44k CenSara fuel cell
Energy Efficiency Outreach	\$20k from EPA (OAQPS) (+ \$5k from EPA-OAQPS reserved for outreach)
SAV+	TCEQ
Lawn Mowers	\$45k from Sue Pope + \$50k from SEP (residential) for Fort Worth (pending)



# DSSI Partner Air Emissions Reductions

- **Since the DSSI start in 2007 through July 25, 2008, partners have reduced or avoided:**
  - **259,747 t/y CO<sub>2</sub>**
  - **581 t/y SO<sub>2</sub>**
  - **182 t/y NO<sub>x</sub>**



## **What DSSI has done itself: some examples**

- **Green Taxis**
  - Plenty of interest, but DSSI galvanized
- **Urban Heat Island/Stormwater Mitigation**
  - Texas Trees Foundation-Dallas Urban Forest Advisory Council
  - Cool, permeable pavements outreach and education (part of this Conference)



## For more information...

- [www.SustainableSkylines.org/Dallas](http://www.SustainableSkylines.org/Dallas)
- Kevin Lefebvre, City of Dallas  
[kevin.lefebvre@dallascityhall.com](mailto:kevin.lefebvre@dallascityhall.com)
- Chris Klaus, NCTCOG  
[cklaus@nctcog.org](mailto:cklaus@nctcog.org)
- Holly Wilson, EPA OAQPS  
[wilson.holly@epa.gov](mailto:wilson.holly@epa.gov)
- Jim Yarbrough, EPA Region 6  
[yarbrough.james @epa.gov](mailto:yarbrough.james@epa.gov)