Environmental Stewardship

From A to Z

Going Green Initiatives
Environmental Program Participation

- North Central Texas Council of Governments
- Clean Texas Program
Local, State and Federal Environmental Regulations

- Clean Water Act
- Clean Air Act
- State-adopted Energy Code, Water Quality and Environmental Protection Standards
Air Pollution Prevention

- Utilize hybrid vehicles
- 45% of the fleet meets or exceeds Low Emission Vehicle standard.
- Purchase lighter, more efficient vehicles
- Use low-emission small equipment
Improving Air Quality

“TOD Connector”
- Improves Mobility
- Fosters Development
- Enhance Access

Lowering Belt Line
- Eliminates 6 At-Grade Rail Crossings
- Improves Safety and Mobility
Providing Transportation Choices

Hike and Bike Trails will be an Integral Part of the City’s Intermodal System Connecting Carrollton’s 3 Light Rail Stations with the City and surrounding communities
Development/Smart Growth

- Development Density
- Tree Preservation ordinance
- Storm Water Pollution Control plan
- Trail system development
- Sidewalk replacement program
Applying Smart Growth

Transit-Oriented Development:
Carrollton’s goal is to create a sustainable, vibrant, livable district where walking, biking, and transit are as valued as the automobile and which will shepherd new growth to make all of Carrollton a better place to live and work.
Energy Conservation Initiatives

- Retrofit street lights
- Adoption of the International Energy Conservation Code
- Capacitors to reduce electrical load on pump start-ups
Environmental Health - Food Safety

- Inspections of grease traps
- Enforcement of food establishments to prevent blockages of grease and oil
Environmental Management

- People Helping People Program
- Contract mowing and cleanup services
- Environmentally friendly products
Greenscape and Parks

- Medians sodded with buffalo grass
- Greenbelt areas evaluated for wildflower planting
Green Buildings

- Save $$$ in energy costs
- Reducing energy consumption
- Lower annual emissions of CO$_2$
- Save millions of gallons of water
Household Hazardous Waste Disposal

• Cooperative Household Hazardous Waste Collection Center

• HHW collection day for all residents

• Reduce pollutants released & at landfill
Pollution Control Programs

- Spill response, remediation and disposal
- Liquid Waste Haulers – permitting, inspection, monitoring
- Use non-VOC painting products
Public Education and Involvement

- Outreach to residents, students, visitors
- Texas Smartscape landscaping
- Water Conservation
- Initiatives made available through mailings and community events
Recycling

- Recycle concrete and asphalt spoils to reduce landfills
- Use of fiber-reinforced concrete to reduce steel usage and transportation costs
- Recycle office paper
- Enhanced curbside recycling
Storm Water Pollution Prevention

- Protect surface water quality
- New permit – application due February 2008
- Use inlet protection/silt screening fence
Storm Water Pollution Prevention

- Control construction and post-construction run-off during different phases of construction
- Establish pollution prevention practices in municipal operations
- Control illicit discharges
- Public Participation
Wastewater Collection

- Reduce potential overflows
- Protect system from structural impairments
- Industrial permitting, inspections & monitoring
Water Conservation

- Free irrigation inspections to higher water consumption residents
- Free Rain & Freeze Sensor Program
- Tiered water rate structure
- US EPA Water Sense Program Partner
Ozone Awareness

• Regional ozone day plan

OZONE ALERT
REDUCE
VEHICLE USE
Transportation Initiatives

• Traffic signal interconnect system for better traffic management and reduced idling
• Stagger work schedules to reduce peak travel demand
• DART participation – incorporating mass transit system
Xeriscaping

- Smartscape program
- Reduces chemical use
- Conserves water
Zoning

- Promote the health, safety, morals, and general welfare of the city
- Reduce traffic congestion
- Secure safety from fire, panic and other dangers
- Provide for adequate light, air, and open space
Future Initiatives

Environmental Management Systems

• Regional Partnerships
• Continuous planning/improvement of processes and practices
• Reducing our environmental footprint
• Increasing our operational efficiency
• Creating standards for environmental sustainability
Future Initiatives

- Create standards for a sustainable community
  - “In it for the long haul”
  - Approval process
  - Remediation
  - Infrastructure
  - Sustainable design and development
Future Initiatives

• Celebrate sustainable success
  – Identify energy reductions
  – Recognize green building construction
  – Approve “Green” practices
  – Seek training and education

• Recognize “green construction” (Design construction and planning)
  – Allow for environmentally friendly building materials
  – Allow for special exceptions for “green construction methodology”
  – Provide for alternate development standards
Future Initiatives

- Accommodate redevelopment strategies
  - Consider incentives
  - Alternate materials and methods of construction
  - Create a “green” guide

- Integrating green building into the regulatory process
  - Provide training for “green” building specialist
  - Recognize ‘shades of green’ building standards for city facilities
  - Sustainable building program
Questions?