

City of Richardson Environmental Initiatives



COR Environmental Components

Education and Outreach
Land Use
Transportation/Air Quality
Green Buildings
Energy Efficiency
Green Power
Water Conservation
Water Quality
Recycling and Waste Management

Education and Outreach

Green Components:

Education/
Outreach

Land Use

Transportation

Green Building

Energy Efficiency

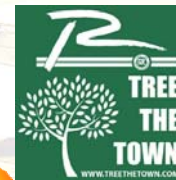
Green Power

Water Conservation

Water Quality

Recycling

Next Steps



Partnerships



I.C.L.E.I. Local Governments for Sustainability

Land Use Policies

Comprehensive Planning Update



Transit Oriented/Mixed-Use Development



Green Components:

Education/
Outreach

Land Use

Transportation

Green Building

Energy Efficiency

Green Power

Water Conservation

Water Quality

Recycling

Next Steps

Land Use Policies (cont.)

Green Components:

Education/
Outreach

Land Use

Transportation

Green Building

Energy
Efficiency

Green Power

Water
Conservation

Water Quality

Recycling

Next Steps

Promote Award-Winning Eco-Friendly Projects

Center for Development Excellence

"Celebrating Leadership in Development
Excellence" (CLIDE) Awards:

"Raising Public Awareness" 2003 - "Transit-Oriented Development Frequently Asked Questions" Series in Richardson Today prior to the opening of Richardson's DART Stations

"Redevelopment" 2005 - Block24

"Special Projects" 2007 - TI Wafer Fab Facility

"Public Planning and Policy" 2007 - Spring Valley Station District/Centennial Park Plan

"2009 Comprehensive Plan" 2009

Transportation/Air Quality

Green Components:

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Efficiency

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Water
Conservation

Water Quality

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Next Steps

Internal Fleet Operations

Fuel

- TCEQ Mandate Unleaded & Ultra Low Sulfur Diesel
- Bio-Diesel B-20 Tested by Solid Waste & Street Depart

Clean Fleet Program

- Vehicles & Equip Purchased for City are Low Emission Vehicles or Engines Carry Best Certification Available
- Hybrid Additions Through Federal Grants

Preventive Maintenance

- Improves Longevity of Units & Improves Fuel Mileage

Tire Maintenance Program

- Monitoring Tire Wear, Replacement, Enhancement
- Managing a Recapping Program for Worn Truck Tires
- All Tires are Computer Balanced

Texas Emissions Reduction Plan Grants

- Explore Funding for Non-Road Low-Emission Vehicles

Transportation/Air Quality

Green Components:

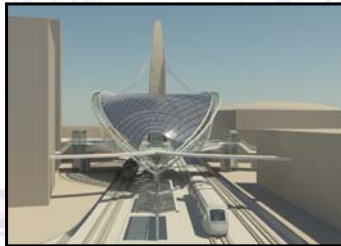
- Education/ Outreach
- Land Use
- Transportation**
- Green Building
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- Next Steps



Transportation/Air Quality

Green Components:

- Education/ Outreach
- Land Use
- Transportation**
- Green Building
- Energy Efficiency
- Green Power
- Water Conservation
- Water Quality
- Recycling
- Next Steps



Green Building

Green Components:

- Education/ Outreach
- Land Use
- Transportation
- Green Building**
- Energy Efficiency
- Green Power
- Water Conservation
- Water Quality
- Recycling
- Next Steps



Energy/Resource Efficiency

Green Components:

- Education/ Outreach
- Land Use
- Transportation
- Green Building
- Energy Efficiency**
- Green Power
- Water Conservation
- Water Quality
- Recycling
- Next Steps



EECBG Funding Strategy

Achieve Council Goals While Keeping Balance

- Increase Efficiency in City Facilities & Ops
- Create Signature Environmental Projects
- Enhancing Community Policies and Initiatives Through Research and Education
- Positioning the City for Additional Grant
- Leveraging Opportunities
- Minimizing Administrative Reporting Burden

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Summary of Submitted EECB Grant Application

Energy Efficiency Projects in Public Facilities – \$365K

Huffhines Renewable Demo Project – \$275K

Intelligent Energy Management Sys – \$150K

Research/Policy Dev. & Grant Writing – \$60K

Estimated annual savings = \$300,000+

Simple Payback = ~ 3 yrs

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Green Power (Alternative Energy Production)

Green Components:

- Education/ Outreach
- Land Use
- Transportation
- Green Building
- Energy Efficiency
- Green Power**
- Water Conservation
- Water Quality
- Recycling
- Next Steps



Water Conservation

Green Components:

- Education/ Outreach
- Land Use
- Transportation
- Green Building
- Energy Efficiency
- Green Power
- Water Conservation**
- Water Quality
- Recycling
- Next Steps



Water Quality

Green Components:

- Education/ Outreach
- Land Use
- Transportation
- Green Building
- Energy Efficiency
- Green Power
- Water Conservation
- Water Quality**
- Recycling
- Next Steps



Recycling and Waste Management

Green Components:

- Education/ Outreach
- Land Use
- Transportation
- Green Building
- Energy Efficiency
- Green Power
- Water Conservation
- Water Quality
- Recycling**
- Next Steps



Next Steps

- **Internal Operations**
 - EECBG Project Implementation
 - Seek Further Energy Efficiency Enhancements, Resource Reduction Strategies & Emissions Reductions
 - Seek Additional Grant & Funding Opportunities
 - Enhance Recycling Opportunities & Venues
- **Education and Outreach**
 - GreenCOR Website – Further Refinement
 - Implementation of Signature Projects
 - Recognition of Green Building Achievements
- **Community Policies and Ordinances**
 - Study Effective Regional Green Building Methods and Regulations
 - Study of Green Power/Distributed Energy Alternatives
 - Release of Guidebook for Richardson Citizens and Businesses
 - Review of Residential/Corporate Incentives to Encourage Conservation

Feedback and Questions

