

● Raleigh, North Carolina, USA

Nation's Most Sustainable Midsize Community, 2011

Actions

- Developed the Green Builders Certification Program to educate a skilled workforce in the green building and construction industry
- 450+ participants graduated from the Green Building Training Program
- Home to one of nation's first two LEED Silver Convention Centers



Downtown Raleigh Skyline



Achievements

- Awarded by U.S. Chamber of Commerce and the Siemens Corporation in 2011
- Prize included \$20,000 for the purchase of trees
- Major tree planting event featured numerous local partners including property owners, elected officials, local businesses, and university students

Presented June 14, 2012

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WORLD CONGRESS
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Raleigh, North Carolina, USA

1st LED City in the World

Actions

- Partnered with Cree Inc., a leading manufacturer of LEDs
- Converting city lights in parks, on streets, in buildings and parking decks to LED
- Provided political momentum to invest in LED, leading to savings for the City



Solar LED Street Lights



Achievements

- First beta test opportunity in the U.S. with early access to technology
- City established leadership reputation
- Encouraged investor-owned utility to offer LED tariff
- Added jobs in the market during the recession
- Will save City up to 40% on annual energy usage
- Solar LEDs installed in parks, parking lots, and other remote locations

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National Leader in Electric Vehicle Infrastructure

Actions

- One of the first three cities nationwide to participate with Rocky Mountain Institute's "Project Get Ready" to prepare for national roll-out of PEVs.
- Installed 29 EV charging stations with federal dollars
- Reduced/removed barriers to PEV adoption by addressing policy issues and offering training to industry professionals



Solar EV Charging Station



Achievements

- Only municipality nationwide to work on Center for climate & Energy Solutions global report, "2012 EV City Casebook: A Look at the Global EV Movement"
- First municipality nationwide to use Periscope software system to monitor use of EV charging stations
- Streamlined permitting and inspections process for EVSE installation
- Partnered with numerous local stakeholders to ensure success of EVSE installations

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Green Builders Certification Program

Actions

- Developed program for construction industry in response to recession
- Partnered with local university and technical college to host classes
- Attracted national professionals as instructors
- Educated a skilled workforce in the green building and construction industry



BPI Training Class



Achievements

- Program nationally recognized by U.S. Chamber of Commerce and Siemens Corporation
- 450+ participants graduated
- Business start-ups and trained workers attract green industry relocations and increase tax base
- Partners NC State University and Wake Technical Community College provide more advanced continuing education opportunities

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LEED Certified Buildings

Actions

- LEED Policy adopted by City Council
- LEED Silver is now standard for new city buildings 10,000 sq. feet or greater
- Gold or Platinum LEED rating to be sought where practical and funding is available



Raleigh's LEED Silver Certified Convention Center



Achievements

- LEED Platinum Certified - Wilder's Grove Services Center is the nation's **only** integrated solid waste facility
- LEED Platinum Certified - Raleigh Transit Facility is the nation's **first** integrated administration and maintenance facility
- LEED Silver Certified - Raleigh Convention Center is one of the **first** two new construction convention centers nationwide



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Alternative Fuel Vehicle Conversions & Infrastructure

Actions

- City 300+ alternative fuel vehicles among its fleet
- Alternative fuels include propane, compressed natural gas, plug-in electric, electric, and biofuels (B5, B20, E85)
- 75% of diesel fleet operates on biodiesel
- City has 30+ hybrid vehicles



Achievements

- Won a \$100,000 federal grant to build a bio-diesel plant
- Up-fitted 20 police vehicles to dual-fuel (propane and gasoline)
- Installed charging/fueling infrastructure:
 1. Public Electric Vehicle Compressed
 2. Natural Gas
 3. Propane



Propane Tank Installed in Police Vehicle

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Raleigh, North Carolina, USA

Partnership Success

Actions

- Each project has economic development component
- Each project leverages Raleigh's reputation as a center of innovation
- Positive press enhances reputations of the City, the partners and the region as leaders in sustainability
- Leveraged millions of 3rd party investment dollars
- Projects with minimal public expenditures build more political support



Partnerships



Achievements

- Partnership business model leverages the City's sustainability goals
- Energy Efficiency projects
- Completed Electric Vehicle Infrastructure Projects
- Numerous Smart Grid Projects
- Alternative Fuels Projects
- Green Building Projects

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Alternative Fuel Vehicle Conversions & Infrastructure

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WEBLINKS:

- Raleigh's commitment to sustainability, the fundamental principals and initiatives

<http://www.raleighnc.gov/environment/content/AdminServSustain/Articles/WhatRaleighIsDoing.html>

- Sustainable Raleigh Map highlights the numerous initiatives related to energy efficiency, renewable energy, environmental conservation and sustainability throughout the City

<http://www.raleighnc.gov/environment/content/AdminServSustain/Articles/SustainableRaleighMap.html>

- Conservation and Renewable Energy initiatives

<http://www.raleighnc.gov/environment/content/AdminServSustain/Articles/EnergyConservationRe.html>