

# Red and Blue and Green All Over: A Triangle Region Sustainable Emergency Services Program to Reduce GHG Emissions

A U.S. EPA Climate  
Showcase Community  
Grant Project



# Partners

- Environmental Defense Fund
- Town of Chapel Hill
- City of Durham
- City of Raleigh
- Triangle J Council of Governments (TJCOG)

# Goals

- Produce cost-saving energy and greenhouse gas reductions in local fire and police departments
- Inspire departments around North Carolina and the rest of the country to do so as well

# Objectives

- Create a Climate Showcase Fire Station
- Develop a suite of police- and fire-specific sustainability projects
- Issue the Fire Fighter's Energy Challenge to encourage fire stations around the country to implement similar improvements

# Climate Showcase Fire Station

- Fire Station 8
  - Solar PV system
  - Reclaimed water usage
  - Daylighting
  - Tight building envelope
  - Efficient equipment & systems
  - Public tours & outreach

# Fire Station Sustainability Upgrades

- Simple assessments
  - Lighting count
  - Hot water heater settings
  - Weatherization
  - Office equipment settings
  - Vending machine count
  - Thermostat settings



# Fire Station Sustainability Upgrades

- Advanced Assessments
  - HVAC
  - Building envelop
  - Maintenance procedures
- Project Prioritization
  - Payback
  - Initial investment
  - Co-Benefits
    - Indoor air quality, comfort, decreased maintenance

# Fire Fighter's Energy Challenge

- Encourage others to commit to energy and greenhouse gas emissions reductions
- Triangle J Council of Governments Website
  - Share experiences & success stories
  - Summarize regional data
  - Issue challenge to other fire fighters (tracking mechanism)



# Next Steps

- Complete upgrades of existing fire stations
- Collect regional data
- Launch TJCOG website
- Break ground on Station 8 (Fall 2012)
- Issue challenge to fire fighters
- Refine communication plan
  - Press releases
  - Tours

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