



## **Draft Climate Action Plan Framework Reducing Our Carbon Footprint**

### **1. Renewable Energy**

- a. Replace non-LED lighting at Town-owned facilities, athletic fields
- b. Increase use of solar energy throughout town
  - i. Solar panel installation
  - ii. Solar water heaters
- c. Encourage use of geothermal for heating/cooling where practical

#### *Partnerships Opportunities:*

Solar companies, Duke Energy, Community, Developers, Property owners

### **2. Tree Replenishment and Natural Area Protection**

- a. Tree Replenishment Committee
  - i. Neighborhoods/Homes/Organizations
  - ii. Parks
  - iii. Legacy program
  - iv. Education about using native plantings, caring for young trees
- b. Town-owned open space (947+ acres)

#### *Partnership Opportunities:*

North Carolina Botanical Gardens, Friends of Parks & Recreation, Community

#### *Grant Opportunities:*

Arbor Foundation, Triangle J Council of Governments

### **3. Water Conservation and Protection**

- a. Stormwater Management
  - i. Green Stormwater Infrastructure (LUMO changes)
  - ii. Complete subwatershed studies
- b. Water quality
- c. Conservation

#### *Partnership Opportunities:*

OWASA, Jordan Lake One Water, Neighboring jurisdictions, Large property owners, Community

### **4. Waste Reduction**

- a. Increase opportunities for composting
- b. Reducing use of single use plastics

#### *Partnership Opportunities:*

UNC, Business community, Orange County, Chapel Hill Carrboro City Schools

### **5. Transportation Infrastructure**

- a. Electrification of fleet
- b. Increase number of EV Charging stations throughout town
- c. Increase multi-modal connections and opportunities

#### *Partnership Opportunities:*

Transit Partners (Carrboro, UNC), Duke Energy, Piedmont Energy, Chapel Hill Carrboro City Schools, Commercial property owners with parking lots

### **6. Building Efficiency**

- a. Energy audits
- b. Home energy improvements
- c. New policies for development and redevelopment projects

#### *Partnership Opportunities:*

Duke Energy, Chamber of Commerce

## **7. Education and Advocacy**

### *Partnerships Opportunities:*

Triangle J Council of Governments, Triangle Clean Cities Coalition, NC State Clean Technology Center, Orange-Chatham Group of the Sierra Club and other local advocacy organizations

### **Other Possible Topics:**

Planning, Finance

### **Underlying Interests:**

Create/Contribute to the local economy

Spark more investment in renewable energies to increase job opportunities

Durham Technical Community College (Orange County campus) – training workers

UNC, others – hire locally, offer apprenticeships

Identify and work with partners in creating the plan

Thinking and action across Town organization and others

Learn what other cities/towns are doing

Apply for grant funding and participate in joint purchasing when possible

### **Next Steps:**

April – Council Meeting on the 17<sup>th</sup>

June – Tree Replenishment Committee meeting

Share goals with partner organizations

Summer – Interns work with John

Reach out to Adam Long (UNC) about greenhouse gas data

Fall – Roll out of Tree program