



## **ICLEI'S CLEAN AIR AND CLIMATE PROTECTION SOFTWARE SUMMARY**

### **Government Analysis**

- Buildings
  - o Electricity and Natural Gas
- Vehicle Fleet
  - o Fuel and vehicle types
- Streetlights
  - o Traffic Signals and Outdoor Lighting
- Waste
  - o Waste produced in city owned and operated facilities
- Water/Sewage
  - o Electricity used to operate water treatment plant
- Employee Commute
  - o Difficult to include
  - o May create survey

### **Community Analysis**

- Buildings
  - o Split into three categories of residential, commercial, and industrial
- Transportation
  - o Vehicle miles traveled information from MPC
- Waste
  - o Waste produced and land filled in the city of Knoxville.

### **Clean Air Climate Protection Software**

- Will create CO2 emissions report (GHG) and other pollutants report (Criteria Air Pollutants)
  - o Particulate Matter
  - o Nitrogen Oxide
  - o Sulfur Dioxide
  - o Volatile Organic Compound
- Software is able to calculate emissions based on coefficients that are programmed into the software.

### **Measures**

- Set a target year and target reductions
- You are able to enter your measures into the software, such as...
  - o Switching to a new energy source
  - o Increasing public transit, walking
  - o Change fuel efficiency of vehicle fleet

- Recycling
- Measures feature is able to show the amount of reduction that would result from the measure in the target year.