Climate Action Pocket Questions

Title: **Tropical Storm Chantal Response and Recovery**

Purpose: This agenda item provides an update on the Town's response before, during and after the tropical storm, its financial impact on the Town's budget, and plans for EV/Hybrid vehicle replacements and EV chargers.

Department: Town Manager's Office

1. **How will this action impact the Town's or the community's greenhouse gas emissions?**
    a. Will REDUCE greenhouse gas emissions
    b. Will not reduce or increase greenhouse gas emissions
    c. Will INCREASE greenhouse gas emissions
    d. Not applicable

2. **Please explain.** While this informational item does not recommend action, accelerating the Town's adoption of electric fleet vehicles will reduce greenhouse gas emissions.

3. **Does this action impact:**
    a. Water quality
    b. Erosion and Surface run-off
    c. Flooding
    d. Air quality
    e. Heat islands or extreme heat
    f. Biodiversity
    g. Solid waste
    h. Hazardous waste
    i. Other
    j. This action does not impact the environment

4. **Please explain.** While this informational item does not recommend action, replacing gas-powered fleet vehicles with electric vehicles will improve air quality by reducing tailpipe emissions. This agenda item deals with one of Carrboro's biggest vulnerabilities to climate change: flooding. Reducing the use of fossil fuels by adopting electric vehicles is a powerful strategy to combat climate change and its negative impacts on the environment. Reducing emissions can

also reduce the impacts of urban heat islands.

5. **How is your department planning to mitigate any climate or environmental impacts?** NOTE: This does not reflect a formal commitment by the Town of Carrboro.
    - Staff are working to develop a plan to utilize anticipated insurance proceeds to replace fleet vehicles destroyed in Tropical Storm Chantal. They are analyzing all destroyed vehicles to determine if an all-electric replacement is feasible. For those where the technology is not yet capable of meeting the duty cycle of the vehicle, staff recommend hybrid models. And, for those vehicles, particularly heavy-duty vehicles, for which a suitable electric or hybrid model is not yet on the market, staff recommend the most fuel-efficient model available and the use of AVL technology to reduce idling and fuel usage.