

## **GHG/Energy Memo**

- The City's Green Building Ordinance comes up for reevaluation on Nov 1, 2024. An area of focus for future consideration, could be electrical energy usage, Energy efficiency, insulation and weatherization, and renewable energy are a few topics related to energy usage. Energy modeling is a step that is already a part of the Florida Building Code, which calculates the expected energy performance of buildings. Benchmarking is a procedure which compares energy usage of a building to other similar type buildings.
- Important connection between green buildings, GHG reduction, and Climate Action Plan.
- Benchmarking/HERS Rating support
  - Benchmarking for all existing buildings, reported to City of Delray Beach via EPA ENERGY STAR Portfolio Manager.
  - HERS Rating required for all new residential (Single Family and Multi-Family).
  - Both are widely accepted industry standards.
  - HERS score is already approved by the state of FL to be used as Florida Energy Code compliance path in lieu of ERI Score.
  - Provides valuable information on the performance of new and existing buildings.
  - LEED, FGBC, NGBS, Green Globes (all listed in the GBO) have building performance modeling requirements that provide the foundation for informed decision making when designing building systems for maximum reduction of GHG emissions related to their operation.
  - Requiring that new residential construction provide a HERS rating and all existing buildings (residential and commercial) to provide benchmarking information and that it be reported back to the city will fill in the current gap in building performance information being collected between the new buildings subject to the GBO that are already required to provide this data, and the remainder of the buildings in the city. This level of building performance data will allow the city to monitor GHG emissions citywide and appropriately set performance targets for buildings to meet the goals of 50% reduction in GHG emissions by 2030 and 100% reduction by 2050.
  - It is worth noting that when we are talking about a 100% reduction by 2050, that 75% of those buildings are already in operation and are nowhere near net zero emissions. Beginning to address the performance of our existing building stock must start right away if we are to meet our goals.
  - Benchmarking City buildings first would show leadership to the community.

- Initial outreach on Benchmarking, could focus on economic benefits, as using less electricity will save money.

### **Which plastics are the best for recycling?**

- PLASTIC #1 - POLYETHYLENE TEREPHTHALATE (PET)
  - Beverage bottles, detergents, cleaners, food containers
  - Most recyclable
  - Recycled into new recyclable bottles and many other new products not intended for single use.
  - No know health issues
- PLASTIC #2 - HIGH DENSITY POLYETHYLENE (HDPE)
  - Milk jugs, motor oil bottles, shampoo bottles
  - Clear is easily recyclable into recyclable new containers
  - Colored is used for many other new products not intended for single use.
  - No know health issues
- PLASTIC 3-7
  - Each has their own barriers to ease of recyclability
    - Toxins
    - Economic viability
    - Quality consistency

### **Legislative Priorities**

- Delray Beach "Balloon Release Ordinance"- raise awareness of new state regulation, City Park reservation form
- Beach Water Testing