



Memorandum

Date: August 9, 2022

To: Honorable Mayor and Councilmembers

Via: Hernan M. Organvidez
Acting City Manager

From: Carlos Arroyo
Public Works Director

Subject: **Green House Gas (GHG) Emission Inventory Report & Presentation**

Introduction

This memorandum provides the Public Works Department's (PWD) recommendation for the Mayor and City Councilmembers to authorize the City Manager to adopt the results and recommendations from the community-wide baseline Green House Gas (GHG) emissions inventory which was concluded in May 2022. The update inventory provides which sectors are the highest contributors of GHG within the City, establishes a baseline, proposes reduction goals of the City's carbon footprint, and recommends action items to reach these goals.

Background

In 2014, the Mayor and Councilmembers approved the production of the Climate Action Plan (CAP) via Resolution No. 14-82 (approved 5-0). The CAP generated a baseline for GHG emissions associated with local government operations and identified current sustainable strategies to reduce emissions.

In 2019, the Mayor and Councilmembers approved the implementation of the CAP via Resolution No.19-97 (approved 5-0). The analysis and final report recommended three main activities the City operations needed to focus on to reduce GHG emissions and meet the reduction goals set in the implementation plan. The three largest contributors were: 1) Electricity consumption in all City buildings, 2) Transportation, and 3) Reduce waste & increase recycling.

Since the last inventory, the City's population has increased over 40%, therefore the current inventory data is outdated. Per Objective 1.10 "Lead by Example" of the Green Element of the City's Comprehensive Plan, the City needs to engage the community to demonstrate how the City's operations can be more efficient to reduce emission and their impact while at the same time continue to provide the best possible services to the community.

The GHG Inventory Work Order No. 7 for H.W. Lochner was approved by the Mayor and City Council via Resolution No. 21-279 (approved 5-0) in December 2021. The GHG Inventory was completed in May 2022 and the report is attached. The report concluded that within the City limits, based on the citywide analysis of emissions, the sectors with the highest percentages of emissions are:

- Commercial / Institutional energy usage – 34%
- On-road transportation by passenger vehicles – 24%
- Residential energy usage and solid waste 21% - 20% respectively

Based on the findings of the report, the City will use this information to establish the baseline and set the goal to reduce GHG emissions by 10 to 15 percent by the year 2050. In addition, the City has partnered with the Miami-Dade County Office of Resilience to participate in the Building Efficiency 305 as part of the Miami-Dade Climate Action Strategy to benchmark, retune, and retrofit existing buildings.

The City will explore all the available programs and incentive available through utility providers for additional energy savings, reductions, and offsetting of emissions. Additionally, the City is planning to pursue in 2023, the LEED Cities Local Government Leadership certification program. This certification requires the city to have an updated GHG emission inventory that complies with the LEED v4.1 Cities credential requirement.

Procurement

The contract between H.W. Lochner and the City of Doral was procured through the publicly advertised Request for Qualification (RFQ 2020-22) process to select a pool of pre-qualified Engineering and Architecture firms. This group of ten (10) firms was approved by the City Council during the December 2020 Council meeting via Resolution No. 20-243 (approved 5-0).

Fiscal Impact:

The fiscal impact associated with the implementation of the GHG emission inventory recommendations will be part of the annual budget approval process and cannot be determined at this time.

Recommendation

The City Manager's Office respectfully requests that the Mayor and City Councilmembers authorize the City Manager to adopt the recommendations of the 2022 Greenhouse Gas

Inventory based on citywide operations enclosed as part of "Exhibit A" produced and completed this past May 2022.