Exhibit 1: Proposed Carbon Footprint Reduction Policies for Commission Consideration

Advance Fort Lauderdale Comprehensive Plan	Proposed Policy for Commission Consideration	Impact
Reduce GHG emissions from City Operations by 80% by 2050 (EVALUATION MEASURE CC 1.1.1)	Achieve government operations net zero emissions by 2040 and community net zero emissions by 2050 (Ready for 100)	Setting a net zero long term emissions goal is essential to align strategic and operational priorities. Accomplishing this would require the policies and efforts described below as a starting point. Costs will be determined by the approaches selected below.
Source 20% of electricity from renewable energy by 2030. (EM CC 1.1.6:)	Require sourcing of 20% of electricity from renewable energy by 2030 through • Addition of solar with all roof replacements on existing facilities; • Requiring at least a 20% renewable energy contribution on all new facilities; and • Purchases of renewable energy credits	Increasing renewable energy (onsite energy generation) is a key part of any net zero effort. Preliminary estimates to install photovoltaic systems producing 4% of the City's electricity usage would cost $6.2 million (materials only – installation costs not included) as per the Renewable Energy Feasibility Study. Supplementing this effort could be through the purchase of renewable energy offsets such as through the FPL Solar Together program. To achieve the 20% renewable goal, the City could supplement installing solar with purchasing offsets from the FPL Solar Together program which would costs $261K/month although a large fraction of that would be offset by credits received. FPL estimates that that credits under this program would exceed costs within 7 years, resulting in additional savings. However, this program and other offset opportunities would require further evaluation to determine actual costs, availability, capacity, and benefits.
Consider GHG emissions in decision making (Policy CC 1.1.2)	Realize 10% reduction in electricity usage in City Operations from 2020 to 2030 by investing in energy efficiency retrofits, energy management programs, and battery storage	Movement to net zero must be include both efficiency improvements and renewable energy increases. Efficiency is often the cheapest means to reduce GHG emissions. Past projects and studies have shown that a 10% energy reduction would require investment of $2-8m over 10 years with paybacks between 2-12 years, depending on the solutions implemented.

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Reduce City vehicle fossil fuel use by 20% below 2015 levels by 2025 (EM CC 1.2.5)	Replace 50% of the fleet with low emission, electric, and hybrid vehicles for all non-emergency vehicles with available alternative fuel models by 2030.	Fleet operations represents approximately 28% of City's GHG emissions and any net zero goal must incorporate substantial reductions in this area. Currently, the City has 1,196 light duty vehicles including 142 hybrids, plugins and electric vehicles (EVs) including over 500 emergency vehicles. To reach the 50% low emissions target, approximately another 300 vehicles would need to be converted to hybrid or EV over the next 10 years. Estimated incremental costs may range from $2,000 (hybrids) - $6,000 (EVs) per vehicle. For 300 vehicles, total costs could range for $0.6-2.6 million. Over the next decade it is expected that the incremental cost of EVs will decrease, manufacturers will substantially increase their EV offerings, and, consequently, there will be more opportunity to integrate them into the fleet. A comprehensive fleet study would be required to obtain more specific cost estimates on a vehicle by vehicle basis. Often the costs of these vehicles are substantially offset by reduced maintenances and fuel costs.
Ensure multimodal options of transportation exist along key corridors (Policy CC 1.2.7)	Prioritize advocacy for and investment in multimodal transportation	This would require lobbying partners such as the state and county to incorporate multimodal into their roadway projects. In addition, investment in City multimodal efforts should be prioritized. Costs are not known with specificity.

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Reduce community GHG emissions (not specified in the Comp Plan)	Adopting ordinances, policies and programs to reduce emissions in the community such as requirements for: • Cool roof and cool hardscapes; • Solar ready buildings and electric charger ready parking; • Green building certification and/or features; • Energy disclosure and efficiency upgrades; and • Encouraging mixed use development.	To have to have a significant contribution to global GHG emission reductions the City must lead efforts to reduce emission in the community as well as its own operations through programs and ordinances. These items would have minimal net cost to city operations. However, there may be some cost to residents and property owners. As with most energy improvements this would be an investment which will ultimately provide savings to residents.