EXECUTIVE SUMMARY
Infrastructure Investment and Jobs Act Of 2021 Energy Efficiency and Conservation Block Grant (EECBG) Program Formula Grant
New Haven Office of Climate and Sustainability
September 26th, 2024
Funding request: $545,480.00 for one year

The Office of Climate & Sustainability will apply for EECBG funding to purchase an electric refuse vehicle. The 2021 Electrification Resolution calls on the City to electrify all municipal vehicles by the end of 2030. This electric refuse vehicle would be an important step toward upholding that commitment and meaningfully reduce the City's contribution to air pollution and smog. This reduction in air pollution, from vehicles that regularly circulate through our neighborhoods, has a direct impact on our residents who suffer from asthma and other respiratory illnesses.

Connecticut DEEP estimates that while medium and heavy duty vehicles only make up 6% of vehicles on the road, they account for up to 53% of smog-forming nitrogen oxide emissions and 25% of transportation related greenhouse gas emissions. Diesel-powered vehicles have a severe impact on New Haven's air quality, leading Fair Haven, Downtown, and the Hill to see some of the highest rates of respiratory illness and heart disease in the state. The City's refuse vehicles, the most heavily used diesel-powered vehicles in the fleet, spend most of their time stopping, starting, idling, and compacting trash, releasing high volumes of air pollutants. Adding an electric refuse vehicle to the City's refuse fleet will meaningfully reduce the City's contribution to air pollution and smog.

The City of New Haven will combine its $184,070 in EECBG funding with City capital funds in order to purchase a Class 6 electric refuse vehicle. When combined with the federal incentive payment of $40,000 the EECBG funding will allow the City to purchase a Class 6 electric refuse vehicle at a total cost that is slightly lower than the equivalent Class 6 diesel refuse vehicle.

Furthermore, the electric refuse vehicle will yield decreased operational costs, such as reduced maintenance and fuel expenses. In addition to the reduction in air pollution, the City should realize significant savings in operating costs.