

Memorandum



DATE March 25, 2021

CITY OF DALLAS

TO Honorable Members of the Environment & Sustainability Committee: Omar Narvaez (Chair), Chad West (Vice Chair), Tennell Atkins, Paula Blackmon, Jennifer S. Gates

SUBJECT **Dallas EFM Fleet Electrification Study and GHG Inventory**

This memorandum provides information on a pending Council Agenda item to authorize an 18-month interlocal government service agreement with the Dallas Fort Worth International Airport (DFIA) for specialized environmental and energy services to support implementation of a fleet electrification study and associated infrastructure needs, a procurement plan for use of renewable natural gas and update to the 2015 Greenhouse gas inventory efforts supporting implementation of several actions within the Comprehensive Environmental & Climate Action Plan (CECAP), through the Office of Environmental Quality & Sustainability (OEQS) and the Equipment and Fleet Management Department (EFM).

As background, in the CECAP, the City of Dallas (COD) has established a goal to reduce its greenhouse gas (GHG) emissions by 43 percent by 2030 and 100% by 2050. In May 2020, the City adopted the CECAP that establishes goals and pathways to guide the city in reaching its overall objectives, including a focus on transportation and mobility.

With CECAP implementation funding allocated by Dallas City Council as part of the FY 20-21 budget, the City is seeking to optimize its decisions on transitioning segments of its light-duty fleet to Zero Emissions Vehicles (ZEVs). The COD would like to avoid impacts to the effectiveness or efficiency of vehicles and equipment used for service delivery so a return on investment analysis will be key to making the individual business cases for transition to Zero Emissions Vehicles (ZEVs).

The City is also interested in exploring new contracting pathways to procure renewable natural gas (RNG) as a means of reducing overall emissions. The City has approximately 500 vehicles that utilize compressed natural gas.

Finally, the City also seeks to conduct an update to the 2015 Greenhouse Gas Emission Inventory report for community and government emissions sources. The 2015 Inventory was used to develop the CECAP, however, best management practices indicate a two-to-three-year frequency for inventories to allow trending analyses of programmatic progress.

To expedite project contracting for specialized technical services, a scope of work was developed with the United States Department of Energy's (DOE) National Renewable Energy Laboratory (NREL) to perform this work under an existing NREL contract with the Dallas Fort Worth International Airport. The NREL is the only DOE national laboratory

solely dedicated to advancing energy efficiency (EE) and renewable energy (RE) technologies and applications (<https://www.nrel.gov/>). The NREL is a national technical resource for EE, RE, transportation, conventional power systems, combined heat and power, and resilience expertise, and is currently working for Dallas-Fort Worth International Airport (DFW) on several related energy planning and analysis projects.

This contract is implemented through an intergovernmental agreement that is authorized by Chapter 791 of the Texas Government Code and Subchapter F, Chapter 271, Texas Local Government Code, and Section 271.102 of the Texas Local Government Code that authorizes the City to participate in a Cooperative Purchasing Program with another local government or a local cooperative organization.

The 18-month agreement is estimated at \$220,000 and is financed through the Office of Environmental Quality & Sustainability (\$200,000), and the Equipment & Fleet Management Department (\$20,000).

OEQS will provide the City Council with program updates for this contract as a part of regular status briefings for the CECAP. If you have questions, or need additional information, please contact Mr. Donzell Gipson, EFM Director (214-671-5131) or OEQS Assistant Director, Susan Alvarez (214-671-9505).



Michael Gange
Director, Environmental Quality & Sustainability

c:	T.C. Broadnax, City Manager	Jon Fortune, Assistant City Manager
	Chris Caso, City Attorney	Joey Zapata, Assistant City Manager
	Mark Swann, City Auditor	Dr. Eric A. Johnson, Chief of Economic Development and Neighborhood Services
	Biliera Johnson, City Secretary	M. Elizabeth Reich, Chief Financial Officer
	Preston Robinson, Administrative Judge	M. Elizabeth (Liz) Cedillo-Pereira, Chief of Equity and Inclusion
	Kimberly Bizzor Tolbert, Chief of Staff to the City Manager	Directors and Assistant Directors
	Majed A. Al-Ghafry, Assistant City Manager	