



City of San Antonio

Agenda Memorandum

File Number:

Agenda Item Number: 12

Agenda Date: November 21, 2024

In Control: City Council A Session

DEPARTMENT: Aviation Department

DEPARTMENT HEAD: Jesus H. Saenz Jr.

COUNCIL DISTRICTS IMPACTED: Citywide

SUBJECT:

Installation and Transfer of Imagen/ABB DC Fast Chargers for Aviation Fleet Vehicles at the San Antonio International Airport

SUMMARY:

This ordinance will authorize the installation and transfer of two DC Fast Chargers for Electric Vehicle use at the San Antonio International Airport through the partnership with Advanced Research Project Agency - Energy (ARPA-E). The estimated value of the transferred property and associated costs is approximately \$300,000.00. The City is responsible for the installation costs associated with the transfer in an amount not to exceed \$50,000.00. Funding is available from the Airport Operating and Maintenance Fund FY 2025 Adopted Budget.

BACKGROUND INFORMATION:

In April 2024, the City of San Antonio signed a Memorandum of Understanding with the Department of Energy in support of the Advanced Research Project Agency-Energy (ARPA-E) Program, co-sponsored by CPS Energy and the University of Texas at San Antonio, to support research and promote the use of innovative energy technologies focused on airports. The signing event was held at Stinson Municipal Airport.

The San Antonio International Airport is currently home to six electric on-road vehicles, eight hybrid vehicles, and 18 off-road vehicles. The Aviation Department also has a network of 18 electric vehicle charging stations at the airport and plans to continue adding chargers for an expanded EV fleet. Through an FAA Voluntary Airport Low Emission (VALE) grant, the Aviation Department installed 32 Electric Ground Support Equipment (eGSE) chargers and, as a result, 50% of the GSE fleet is now electric.

ISSUE:

The San Antonio International Airport's electrified maintenance fleet is expanding and will need to have access to EV chargers near the terminal to allow for quick charges during working hours. Imagen Energy, Inc is an awardee under ARPA-E's SCALEUP ("Seeding Critical Advances for Leading Energy technologies with Untapped Potential") program and wishes to provide experimental software and network enabled electric vehicle charging equipment to be installed and utilized at San Antonio International Airport, pursuant to the ARPA-E Memorandum of Understanding (MOU). This is the first project to be initiated under the MOU.

The first unit is anticipated to be delivered in late Fall of 2024, with the second unit expected in the First Quarter of 2025. At such time, the transferred property shall become part of the City of San Antonio's equipment inventory. The transferred property will be installed at the Flight Safety Building at San Antonio International Airport. The units will remain at San Antonio International Airport for at least 10 years, or until the units are no longer serviceable. Decommissioning assistance, if required, will be subject to mutual agreement at that time.

ABB E-mobility's Enterprise Care Service Level Agreement (SLA) will also be included as part of the transfer, for three years, to ensure ongoing support and service, providing regular maintenance and service coverage as specified by ABB E-mobility.

The estimated value of the transferred property and associated costs is approximately \$300,000.00. The City is responsible for the installation costs associated with the transfer in the amount not to exceed \$50,000.00. Funding is available from the Airport Operating and Maintenance Fund FY 2025 Budget.

ALTERNATIVES:

City Council may decline to accept the transfer of the IMAGEN/ABB EV Chargers and direct staff to budget and contract for installation of alternate EV Chargers at the San Antonio International Airport. This action could delay future projects to be executed under the MOU.

FISCAL IMPACT:

This ordinance will authorize the installation and transfer of two DC Fast Chargers for Electric Vehicle use at the San Antonio International Airport through the partnership with Advanced Research Project Agency - Energy (ARPA-E). The estimated value of the transferred property and associated costs is approximately \$300,000.00. The City is responsible for the installation costs associated with the transfer in an amount not to exceed \$50,000.00. Funding is available from the Airport Operating and Maintenance Fund FY 2025 Adopted Budget.

RECOMMENDATION:

Staff recommends approval of a transfer agreement to facilitate the installation of the two Electric Vehicle Fast Chargers at the San Antonio International Airport.