

AIRPORT COMMISSION

CITY AND COUNTY OF SAN FRANCISCO

RESOLUTION NO. 19-0085

DETERMINATION TO PROCEED WITH THE ELECTRIC GROUND SERVICE EQUIPMENT INFRASTRUCTURE AND CHARGING STATIONS PROJECT AND AUTHORIZATION TO ACCEPT AND EXPEND FEDERAL AVIATION ADMINISTRATION GRANT FUNDS FOR A VOLUNTARY AIRPORT LOW EMISSIONS PROJECT, IN THE AMOUNT OF \$6,800,000 PLUS ADDITIONAL AMOUNTS UP TO 15% OF THE ORIGINAL GRANT AMOUNT THAT MAY BE OFFERED

- WHEREAS, an airport improvement project to be implemented at San Francisco International Airport (Airport) is eligible for federal assistance under the Federal Aviation Administration (FAA) Voluntary Airport Low Emissions (VALE) Program under the Airport Improvement Program (AIP); and
- WHEREAS, the AIP provides for reimbursement of up to 75% of the allowable VALE project costs; and
- WHEREAS, the proposed VALE project is for Electrical Ground Service Equipment (eGSE) Infrastructure and Charging Stations; and
- WHEREAS, the proposed project is Phase 1 of an Airport-wide Ground Service Equipment (GSE) electrification strategy to equip all gates with the electrical infrastructure necessary to operate electric Ground Service Equipment (eGSE), thereby reducing fuel use and diesel emissions; and
- WHEREAS, the proposed electric charging ports and supporting electrical infrastructure improvements would be permanently located at the Airport; and
- WHEREAS, the completion of the proposed project will result in significant emission reductions from the use of eGSE as a cleaner and more sustainable alternative to diesel-powered GSE; and
- WHEREAS, the Airport Director intends to file a grant application to seek federal assistance under the AIP, in an estimated amount of \$6,800,000, for the proposed project; and
- WHEREAS approval of the San Francisco Board of Supervisors is required to accept and expend grants of this type in the amount of \$100,000 or more, and the Airport has not yet received this approval; and
- WHEREAS, the San Francisco Planning Department, Environmental Planning Division, has determined that the Electric Ground Service Equipment Infrastructure and Charging Stations project is Categorically Exempt from review under the California Environmental Quality Act (CEQA) (Public Resources Code Section 21000, *et seq.*), Section 15303 of the CEQA Guidelines, and Chapter 31 of the San Francisco Administrative Code (Planning Department File No. 2019-003905ENV); now, therefore, be it
- RESOLVED, that the Commission hereby affirms and incorporates, by reference, the Planning Department's determination that the Electric Ground Service Equipment Infrastructure and Charging Stations project is Categorically Exempt from review under CEQA; and, be it further

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- RESOLVED, that the above recitals are true and correct; and, be it further
- RESOLVED, that the Commission hereby determines to proceed with the Electric Ground Service Equipment Infrastructure and Charging Stations project; and, be it further
- RESOLVED, that, upon receipt by the Airport of an AIP Grant Offer from the FAA for the Electrical Ground Service Equipment Infrastructure and Charging Stations project, the Airport Commission authorizes the Airport Director to accept and expend the grant funds in an amount estimated to be \$6,800,000 and any additional amounts up to 15% of the original grant amount that may be offered, during FFY 2019, or such later FFY, as determined by the Director based on the project implementation schedule, and to execute the related grant agreement; and, be it further
- RESOLVED, that the Commission Secretary, for and on behalf of and in the name of the Airport Commission, is authorized and directed to seek the approval of the San Francisco Board of Supervisors to accept and expend the grant funds under Section 10.170-1 of the San Francisco Administrative Code.

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*I hereby certify that the foregoing resolution was adopted by the Airport Commission
at its meeting of* _____ **APR 16 2019**



Secretary



San Francisco International Airport

MEMORANDUM

April 16, 2019

TO: AIRPORT COMMISSION
Hon. Larry Mazzola, President
Hon. Linda S. Crayton, Vice President
Hon. Eleanor Johns
Hon. Richard J. Guggenlime
Hon. Malcolm Yeung

19-0085

19-0086

APR 16 2019

FROM: Airport Director

SUBJECT: Determination to Proceed with Two Voluntary Airport Low Emissions Projects, and Authorization to Accept and Expend Federal Aviation Administration Grant Funds in the Amount of \$8,800,000 for These Projects

DIRECTOR'S RECOMMENDATION: DETERMINE TO PROCEED WITH TWO VOLUNTARY AIRPORT LOW EMISSIONS PROJECTS; AUTHORIZE ACCEPTANCE AND EXPENDITURE OF FEDERAL AVIATION ADMINISTRATION GRANT FUNDS IN THE AMOUNT OF \$8,800,000 FOR THESE PROJECTS, PLUS ADDITIONAL AMOUNTS UP TO 15% OF EACH ORIGINAL GRANT AMOUNT THAT MAY BE OFFERED.

Executive Summary

In Federal Fiscal Year (FFY) 2019, San Francisco International Airport (Airport) anticipates receiving Federal Aviation Administration (FAA) Airport Improvement Program (AIP) grant funds for certain eligible projects. The two proposed Resolutions authorize acceptance and expenditure of \$8,800,000 for two Voluntary Airport Low Emissions (VALE) projects, plus any additional amounts offered by the FAA not to exceed 15% of each original grant amount.

Background

The AIP reimburses up to 75% of eligible VALE project costs. For FFY 2019, the Airport anticipates receiving two AIP VALE grant offers totaling approximately \$8,800,000 for the following proposed projects:

| Projects | Anticipated Grant Offer |
|---|-------------------------|
| Electrical Ground Service Equipment (eGSE) Infrastructure and Charging Stations | \$6,800,000 |
| Boarding Area G 400Hz System Infrastructure Upgrade | \$2,000,000 |
| Total VALE Grants Expected | \$8,800,000 |

VALE project descriptions can be found in Appendix A.

The attached Resolutions authorize acceptance and expenditure of grant funds for the VALE projects during FFY 2019, or a later FFY, as determined by the Director based on the project implementation schedule.

THIS PRINT COVERS CALENDAR ITEM NO. 4

AIRPORT COMMISSION CITY AND COUNTY OF SAN FRANCISCO

LONDON N. BREED MAYOR LARRY MAZZOLA PRESIDENT LINDA S. CRAYTON VICE PRESIDENT ELEANOR JOHNS RICHARD J. GUGGENHIME MALCOLM YEUNG IVAR C. SATERO AIRPORT DIRECTOR

Additional Authorizations

If the attached Resolution for the eGSE Infrastructure and Charging Stations project is approved by the Commission and offered grant funding by the FAA, the Airport will seek the approval of the San Francisco Board of Supervisors (Board) to accept and expend the grant. Board approval is required for grants exceeding \$100,000 under Section 10.170-1 of the San Francisco Administrative Code.

The grant for the Boarding Area G 400Hz System Infrastructure Upgrade project received Board approval through the City and County of San Francisco's Annual Budget and Appropriation Ordinance for Fiscal Years 2018/19 and 2019/20. Therefore, no additional Board approval is required to accept and expend grants for this project.

Environmental Reviews

The Planning Department has determined that the eGSE Infrastructure and Charging Stations project is categorically exempt from review under the California Environmental Quality Act (CEQA) (Public Resources Code Section 21000, *et seq.*) and Section 15303 of the CEQA Guidelines as a Class 3 exemption, which applies to new construction or conversion of structures. This exemption determination is available on the Planning Department's website in Planning Department File No. 2019-003905ENV. This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code.

The Planning Department has determined that the Boarding Area G 400 Hz System Infrastructure Upgrade project is categorically exempt from review under CEQA and Section 15301 of the CEQA Guidelines as a Class 1 exemption, which applies to existing facilities. This exemption determination is available on the Planning Department's website in Planning Department File No. 2019-003899ENV. This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code.

Recommendation

I recommend the Commission adopt the attached two Resolutions determining to proceed with the two VALE projects and authorizing the acceptance and expenditure of FAA AIP grant funds for approximately (1) \$6,800,000 for the eGSE Infrastructure and Charging Stations VALE project; and (2) \$2,000,000 for the Boarding Area G 400Hz System Infrastructure Upgrade VALE project; and any additional amounts up to 15% of each original grant amount that may be offered. Staff will return to the Commission if any of the resulting grant offers exceed 15% of the original grant amount. I further recommend the Commission authorize the Commission Secretary to seek approval from the Board to accept and expend the grant for the eGSE Infrastructure and Charging Stations project.



Ivar C. Satero
Airport Director

Prepared by: Leo Fermin
Chief Business and Finance Officer

Attachments

Appendix A

Project Descriptions

Electrical Ground Service Equipment (eGSE) Infrastructure and Charging Stations

The VALE grant funding will be used to purchase and install 125 eGSE charging ports with supporting electrical infrastructure in Boarding Areas D (domestic terminal) and G (international terminal). These eGSE ports will enable Phase 1 of the Airport's Ground Service Equipment electrification strategy. The objective of this strategy is to equip all gates with the electrical infrastructure necessary to operate eGSE to reduce fuel and diesel emissions.

Boarding Area G 400Hz System Infrastructure Upgrade

This project will install four Motor-Generator (MG) sets and supporting electrical infrastructure at Boarding Area G (international terminal), which will enable aircraft using the boarding area to use electric power instead of jet-fueled auxiliary power units. The Airport's existing MG sets are undersized and unable to fully support the electrical load requirements of larger aircraft. These new sets will upgrade the Airport's existing power capacity and reduce emissions.