File No. 180852

Committee Item No. ___/2_ Board Item No. ____

COMMITTEE/BOARD OF SUPERVISORS

AGENDA PACKET CONTENTS LIST

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Committee:	Budget & Finance Committee	Date)	toper 18, 2018
Board of Su	pervisors Meeting	Date	
Cmte Boa	rd Motion Resolution Ordinance Legislative Digest Budget and Legislative Analyst R Youth Commission Report Introduction Form	eport	
	Department/Agency Cover Letter MOU Grant Information Form Grant Budget Subcontract Budget Contract/Agreement Form 126 – Ethics Commission Award Letter Application Public Correspondence	and/or Report	
OTHER	(Use back side if additional space	e is needed)	· · ·
	Airport Commission Resolution		
•	by: Linda WongD by: Linda WongD	ate <u>October</u> ate	12,2018

FILE NO. 180852

RESOLUTION NO.

[Contribution Agreement - United Airlines, Inc. - Airport Infrastructure Project - \$6,250,000]

Resolution approving a Contribution Agreement between United Airlines, Inc., and the City and County of San Francisco, acting by and through its Airport Commission, providing for a financial contribution by United Airlines, Inc., in the amount of \$6,250,000 toward design, acquisition, construction and installation of 400 Hz generators and pre-conditioned air units for ten remain overnight aircraft parking positions on Plots 40 and 41 at the San Francisco International Airport, to commence upon approval by the Board of Supervisors, and ending no later than the end date of the 20-year useful life of the equipment purchased under the Contribution Agreement; and making environmental findings under the California Environmental Quality Act.

WHEREAS, On February 6, 2018, by Resolution No. 18-0024, the Airport Commission has determined to proceed with a project consisting of the design, acquisition, construction, and installation of 400 Hz generators and pre-conditioned air units for ten remain overnight aircraft parking positions on Plots 40 and 41 at San Francisco International Airport (the "Project"); and

WHEREAS, The Planning Department has determined that the Project is categorically exempt from review under the California Environmental Quality Act (California Public Resources Code, Sections 21000 et seq.) as a Section 15303 (Class 3) exemption (Planning Department File No. 2016-011096ENV); and

WHEREAS, Four of the parking positions included in the Project are at the SuperBay Hangar at Plot 40, leased to United Airlines, Inc. ("United"), pursuant to Lease L04-0058, dated June 1, 2004, and the remaining six locations are at Plot 41; and

Airport Commission BOARD OF SUPERVISORS WHEREAS, The Project is partially funded by a Voluntary Airport Low Emission ("VALE") Program grant of \$10,577,500 under the Federal Aviation Administration Airport Improvement Program; and

WHEREAS, The Airport negotiated a Contribution Agreement (the "Agreement") with United specifying the parties' obligations for the Project, requiring United's compliance with applicable VALE Program grant terms and conditions, and providing for a \$6,250,000 contribution from United; and

WHEREAS, The term of the Agreement will commence on the date it has been fully executed by the parties following full City approval and will expire on the earlier of: the end date of the twenty-year useful life of the equipment purchased for the Project; the termination of United's current or any successor lease at the SuperBay Hangar at Plot 40; or cancellation of the Project by the Airport; and

WHEREAS, On June 19, 2018, by Resolution No. 18-0184, the Airport Commission authorized the Airport Director to execute the Agreement and to accept a contribution of \$6,250,000 from United for the implementation of the Project; and

WHEREAS, A copy of the Agreement is on file with the Clerk of the Board of Supervisors in File No. 180852; now, therefore, be it

RESOLVED, That the Board of Supervisors finds that the Agreement is within the scope of the project determined by the Planning Department to be categorically exempt in File No. 2016-011096ENV; and, be it

FURTHER RESOLVED, That the Board of Supervisors hereby approves the Agreement between United Airlines, Inc., and the City and County of San Francisco, acting by and through its Airport Commission, providing for a financial contribution by United Airlines,

Airport Commission BOARD OF SUPERVISORS

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Inc., in the amount of \$6,250,000 toward design, acquisition, construction and installation of the Project; and, be it

FURTHER RESOLVED, That the Board of Supervisors authorizes the Airport Director to enter into any amendments or modifications to the Agreement that the Airport Director determines, in consultation with the City Attorney, are in the best interest of the City, do not otherwise materially diminish the benefits to the City or increase the obligations or liabilities of the City, are necessary or advisable to effectuate the purposes of the Agreement and are in compliance with all applicable laws, including City's Charter; and, be it

FURTHER RESOLVED, That within 30 days of the Agreement's being fully executed by all parties, the Airport Commission shall provide the executed Agreement to the Clerk of the Board for inclusion into the official file.

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Airport Commission BOARD OF SUPERVISORS

	Department:
File :	18-0852 San Francisco International Airport (Airport)
EXEC	
,	Legislative Objectives
. ι	The proposed resolution would approve the contribution agreement between United Airlines and the Airport that provides for a financial contribution of \$6,250,000 from United Airlines toward the costs for the design, acquisition, construction, and installation of the ten ground power converter units and ten preconditioned air units.
	Key Points
ດ k e r	Parked aircraft require power and cooled air for cleaning and maintenance of the aircraft. Currently, parked aircraft at the Airport use the aircraft's auxiliary power units powered by jet fuel to provide power and cooled air during maintenance and cleaning. To reduce emissions from burning jet fuel, the Airport's Capital Improvement Plan allocated \$25 million to install ten 400 Hz ground power converter units and ten preconditioned air units for use by parked aircraft. Of the ten ground power convertor and preconditioned air units, five are located on premises leased by United Airlines.
	Fiscal Impact
/ i v	Sources of funds for the \$25 million project include \$10.58 million in Federal Aviation Administration grant funds, \$6.25 million in United Airlines contribution, and \$8.17 million In Airport Revenue Bond proceeds. The Airport Revenue Bond proceeds of \$8.17 million will be repaid from airline rates and charges, based on the terms of the Airport's Lease and Use Agreement with the signatory airlines.
t S C F L	The project consists of substation and other infrastructure upgrades and installation of the ten ground power converter and preconditioned air units. According to the Airport substation and other infrastructure upgrades, which are attributable mostly to areas outside of United Airline's leased premises, make up the majority of the \$25 million project cost. The Airport requested a contribution from United Airlines of \$6.25 million based on the Airport's estimate of costs attributable to United Airline's share of projec costs.
	Recommendation

MANDATE STATEMENT

City Charter Section 9.118(a) states that contracts entered into by a department, board, or commission that (i) have anticipated revenues of \$1 million or more, or (ii) have anticipated revenues of \$1 million or more and require modifications, are subject to Board of Supervisors approval.

BACKGROUND

Parked aircraft require power and cooled air for cleaning and maintenance of the aircraft.¹ Currently, parked aircraft at San Francisco International Airport (Airport) use the aircraft's auxiliary power units powered by jet fuel to provide power and cooled air during maintenance and cleaning. The jet fuels burns at rates between 30 and 110 gallons per hour. To reduce emissions from burning jet fuel, the Airport is installing 10 ground power converter units², and 10 preconditioned air units³, and related infrastructure. The ground power converter units and the preconditioned air units will reduce emissions by precluding the need for aircraft to run auxiliary power units for cooling and power.

In the Airport's Capital Improvement Plan, the Airport allocated \$25 million⁴ to install ten 400 Hz ground power converter units and ten preconditioned air units at ten remain-overnight aircraft parking positions⁵ on Plots 40 and 41 at the Airport. Four of the parking positions included in the project are located at the SuperBay Hangar at Plot 40, which is leased by United Airlines, Inc. (United). A fifth parking location located in Plot 41 has historically been primarily used by United. The remaining five parking positions are used by other airlines at the Airport.

DETAILS OF PROPOSED LEGISLATION

The proposed resolution would approve the contribution agreement between United Airlines and the Airport that provides for a financial contribution of \$6,250,000 from United Airlines toward the costs for the design, acquisition, construction, and installation of the ten ground power converter units and ten preconditioned air units.

According to the contribution agreement, the Airport agreed to install five of the ten ground power converter units and preconditioned air units on premises currently leased by United Airlines. United Airlines will make a lump sum contribution of \$6,250,000 toward the costs of installation and will be responsible for ongoing maintenance of the five ground power converter units and preconditioned air units on its leased premises.

SAN FRANCISCO BOARD OF SUPERVISORS

BUDGET AND LEGISLATIVE ANALYST

¹ Aircraft quickly become too hot for employees to perform maintenance operations unless the interiors are cooled while aircraft are on the ground.

² Ground power converter units are external power sources that provide power for the aircraft system, engine starting, and aircraft servicing.

³ Pre-conditioned air units provide temperate air to an aircraft separate from the aircraft's air conditioning system.

⁴ The Airport estimates that the cost of this project will be approximately \$25 million, but that the total cost of the project including City administrative costs, design fees, and construction costs may be higher.

⁵ A remain-overnight aircraft parking position is a location where an aircraft can park away from the terminals.

FISCAL IMPACT

Sources of funds for the \$25 million project include \$10.58 million in Federal Aviation Administration grant funds, \$6.25 million in United Airlines contribution, and \$8.17 million in Airport Revenue Bond proceeds, as shown in the Table below.

Table: Sources and Uses of Funds

Sources	·
Federal Aviation Administration Grant	\$10,577,000
United Airlines Contribution	6,250,000
Airport Revenue Bonds	8,173,000
Total	\$25,000,000
Uses	
Engineering	\$298,129
Project Management	120,000
Construction Services ^a	180,000
Construction Management	820,000
Construction	20,750,000
Construction Contingency (7.5% of Construction)	1,556,250
Airfield Operations (Airfield Safety Officers)	50,000
Specialized Services ^b	1,225,621
Total	\$25,000,000

Source: Airport

^a Construction services consist of surveys, inspections, construction activities coordination ^b Includes as-needed design services

The project consists of substation and other infrastructure upgrades and installation of the ten ground power converter and preconditioned air units. According to Ms. Tina Ko, Airport Finance, substation and other infrastructure upgrades, which are attributable mostly to areas outside of United Airline's leased premises, make up the majority of the \$25 million project cost. The Airport requested a contribution from United Airlines of \$6.25 million, which the Airport considered attributable to United Airline's share of project costs.

According to Ms. Ko, the Airport Revenue Bonds of \$8.17 million will be repaid from airline rates and charges, based on the terms of the Airport's Lease and Use Agreement with the signatory airlines.

RECOMMENDATION

Approve the proposed resolution.

Contribution Agreement

This Contribution Agreement (this "Agreement"), dated as of ______ (the "Effective Date"), is entered into by and between the City and County of San Francisco ("City"), acting by and through its Airport Commission ("Commission"), and United Airlines, Inc., a Delaware corporation ("United") (collectively, the "Parties"), with reference to the following facts.

Recitals

A. City, acting by and through Commission, owns and operates the San Francisco International Airport (the "Airport" or "SFO"), which is located in the County of San Mateo, State of California, and the chief executive officer of the Airport is the Airport Director (the "Director").

B. United leases from City portions of the SuperBay Hangar at Airport Plot 40 pursuant to Lease L04-0058 dated June 1, 2004, as amended (the "**SuperBay Lease**"). United's leased premises under the SuperBay Lease is comprised of approximately 127,900 square feet of hangar space on the 1st floor and 18.40 acres of land (of which 17.14 acres are used for aircraft parking and 1.26 acres are used for employee parking), and 1.5 acres of land for an equipment wash rack area (which 1.5 acres is used on a non-exclusive basis) (the "Leased Premises").

C. City intends to implement a project consisting of the design, acquisition, construction, and installation of ten 400 Hz ground power converter units ("Ground Power Units") and ten preconditioned air units ("PCA Units"), together with related infrastructure, on Airport property for the purpose of achieving emissions reductions at SFO (the "Project").

D. City has applied for and received a grant from the Federal Aviation Administration ("FAA") under the Voluntary Airport Low Emission program (the "VALE Grant") to fund approximately \$10.6 million of the costs of acquisition, construction, and installation of five of the Ground Power Units and five of the PCA Units.

E. The Parties estimate that the cost of the Project will be approximately Twenty-Five Million Dollars (\$25,000,000), but acknowledge that the total cost of the Project, including City's administrative costs, design fees, and construction costs, may exceed this initial Project estimate due to escalating construction costs at the Airport and other unanticipated factors. City has included the Project in its approved Capital Improvement Plan with a \$25,000,000 budget.

F. At United's request, City has agreed to install one Ground Power Unit and one PCA Unit, together with related infrastructure, at five designated aircraft parking locations (40-2, 40-3, 40-4, 40-5, and 41-22) (collectively, the "Ground Power Systems"). The designated aircraft parking locations on Plot 40 are within the Leased Premises. Historically, the aircraft parking location designated 41-22 has primarily been used by United. The designated aircraft parking locations are depicted in Exhibit A. G. United has agreed to contribute a portion of City's Project costs related to the Ground Power Systems. The City expects to fund the Project costs in excess of the VALE Grant funds and the funds contributed by United under this Agreement.

H. On _____, by Resolution No. _____, the Commission approved this Agreement.

I. On ______ by Resolution No. _____, the Board of Supervisors approved the Agreement under Section 9.118 of the Charter of the City and County of San Francisco.

In accordance with the recitals above, the Parties agree to the following conditions:

Agreement

1. <u>Right of Entry</u>. United grants City a temporary and non-exclusive right for City and its employees, contractors, subcontractors, representatives, agents, or consultants (collectively, "**City's Agents**") to enter upon and use the Leased Premises at all times necessary for the purpose of performing work for the Project. United acknowledges use of the designated locations may be disrupted during work of the Project and agrees not to hinder or unreasonably delay the City's or City's Agents' right of entry or use granted under this Agreement; provided, however, that City and City's Agents will use their commercially reasonable efforts not to disrupt United's operations.

2. <u>United Contribution</u>. Within thirty (30) days of the later to occur of: (a) the Airport Commission's award of a construction contract for the Ground Power Systems or (b) the commencement of the term of this Agreement pursuant to Section 9, United shall pay to City a lump sum of Six Million Two Hundred Fifty Thousand Dollars (\$6,250,000), as a contribution toward City's Project costs related to the Ground Power Systems (the "United Contribution"). City shall provide an invoice to United for the United Contribution. United shall make payment to City at the office of the Airport Director, or in such alternate manner as City may designate in writing, and in lawful money of the United States, free from all claims, demands, setoffs, or counterclaims of any kind.

3. <u>Project Design and Modifications</u>. City and United agree that City has sole discretion regarding all decisions about the scope, schedule, and budget of the Project, and City may modify the Project in its sole discretion at any time. Reasonable requests for modifications by United will be considered by City. Should City reduce the number of the Ground Power Systems, City and United shall agree to a proportionate reduction of the United Contribution, including a total refund of the United Contribution if the Ground Power Systems are excluded from the Project, by entering into a modification to this Agreement pursuant to Section 10 detailing, if necessary, the amount, mechanism, and schedule for any refund to United.

4. <u>Ownership; Use</u>. City shall own the Ground Power Systems. United shall use the Ground Power Systems, and only the Ground Power Systems, to power aircraft parked at the locations serviced by the Ground Power Systems, and United shall not power such aircraft with jet fuel unless the Ground Power Systems are unavailable. United shall not remove, move, or transfer the Ground Power Systems or any component of the Ground Power Systems

from their initial respective locations without the City's prior written consent. The Ground Power Systems will be individually metered. United shall be responsible for and shall pay all utility costs associated with such Ground Power Systems within the Leased Premises and such Ground Power Systems at the aircraft parking location designated 41-22 in accordance with Section 8.2 of the SuperBay Lease. In the event United ceases to be the exclusive user of the Ground Power Systems at the aircraft parking location designated 41-22, then United shall pay for its share of the use of such Ground Power Systems as reasonably determined by the Director.

5. <u>Maintenance</u>. United shall assume maintenance obligations for the Ground Power Units and PCA Units at the aircraft parking locations within the Leased Premises. United shall perform such maintenance in conformance with all manufacturer specifications and warranty conditions pursuant to Section 9.2 and Exhibit B of the SuperBay Lease. City shall provide standard project records, including operation and maintenance manuals and warranties, to support United's maintenance obligations. City shall assume maintenance obligations for the Ground Power Unit and PCA Unit at the aircraft parking location designated 41-22.

6. <u>Power Load Shedding</u>. Power for all Ground Power Systems will be supplied through Substation AR, which also supplies power to the SuperBay Hangar fire suppression system. United acknowledges that each engagement of the fire suppression system, including for inspections, will require power to be diverted from the Ground Power Systems, making them unavailable. City shall coordinate scheduled inspections of the fire suppression system, which are anticipated to be monthly and annually, with United. City shall provide no less than three (3) business days' prior advance notice of scheduled inspections or other scheduled tests that are expected to divert power from the Ground Power Systems. City shall not be liable to United for any consequential, incidental, or special damages, or lost revenues or lost profits in the event of power load shedding from the Ground Power Systems.

7. <u>Access; Information Reporting.</u> United shall provide City with access to the Ground Power Systems at the aircraft parking locations within the Leased Premises in accordance with Section 3.5 of the SuperBay Lease at least annually and upon reasonable request by the City. In order for the City to comply with requirements of the VALE Grant, including earning emissions credits from the applicable air quality agency, United shall provide to the City from time to time, at least annually, and upon request by the City, information regarding the Ground Power Systems and United's usage of the Ground Power Systems, including without limitation United's maintenance records for the installed Ground Power Systems, a log of the aircraft type(s) using the Ground Power Systems, and the number of hours that the Ground Power Systems are used. For reference, the format of the VALE Grant report the City will submit periodically to FAA is attached hereto as Exhibit B. United shall notify City within five (5) business days of any request for warranty repair and/or in the event any aspect of the Ground Power Systems is offline, unavailable, disabled, or seriously damaged.

8. <u>Waiver</u>. United waives its rights to recover from and forever releases and discharges City and City's Agents from any and all losses, liabilities, judgments, suits, claims, damages, costs and expenses (including reasonable attorneys' fees, investigation costs, remediation costs, and court costs) of any kind or nature, that may arise on account of or in any way be connected with the Project, except if caused solely and directly by the active negligence or willful misconduct of City or a City Agent, but City shall not be liable under any circumstances for any consequential, incidental, or punitive damages.

9. <u>Term; Termination</u>. The term of this Agreement shall commence on the date it has been fully executed by City and United and expire on the earliest to occur of: (a) the end date of the twenty-year useful life of the Ground Power Units and PCA Units, as determined by City, (b) the termination of both the SuperBay Lease and any successor lease to United of leased premises that includes any of the aircraft parking locations where the Ground Power Units and PCA Units are located, or (c) cancellation of the Project and termination by the City as further provided in this Section 9. Without limiting City's rights under Section 3, City shall have the right to cancel the Project and terminate this Agreement upon notice to United, and upon such termination, the rights and obligations of the Parties under this Agreement shall terminate. In the event such termination occurs after receipt of United's Contribution and prior to completion of the Project, City shall refund to United the entire amount of the United Contribution. If termination occurs after City has commenced work on the Leased Premises, City will restore the Leased Premises to its prior condition.

10. <u>Entire Agreement</u>. This Agreement contains the entire agreement between the Parties with respect to the matters referred to in this Agreement. This Agreement supersedes all prior drafts, negotiations and communications associated with it. This Agreement may not be amended, modified, changed, supplemented, or terminated, nor may any of the obligations hereunder be waived, except by written instrument signed by City and United. The Parties acknowledge and agree that this Agreement is consistent with the terms of the SuperBay Lease and that nothing in this Agreement constitutes a waiver of any of the Parties' obligations under the SuperBay Lease. This Agreement is limited to its specific purpose and shall not constitute a modification to or an amendment of the SuperBay Lease.

11. <u>Attorneys' Fees</u>. In the event that either City or United fails to perform any of its obligations under this Agreement or in the event a dispute arises concerning the meaning or interpretation of any provision of this Agreement, the defaulting party or the party not prevailing in such dispute, as the case may be, shall pay any and all costs and expenses incurred by the other party in enforcing or establishing its rights hereunder (whether or not such action is prosecuted to judgment), including, without limitation, court costs and reasonable attorneys' fees. For purposes of this Agreement, reasonable fees of attorneys of City's Office of the City Attorney shall be based on the fees regularly charged by private attorneys with the equivalent number of years of experience in the subject matter area of the law for which the City Attorney services were rendered who practice in the City of San Francisco in law firms with approximately the same number of attorneys as employed by the Office of the City Attorney.

12. <u>No Third-Party Beneficiaries</u>. This Agreement is for the sole benefit of the Parties and no other person or entity shall be entitled to rely upon or receive any benefit from this Agreement.

13. <u>Governing Law; Venue</u>. The formation, interpretation, and performance of this Agreement shall be governed by the laws of the State of California. Venue for all litigation relative to the formation, interpretation, and performance of this Agreement shall be in San Francisco.

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IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed as of the Effective Date.

UNITED AIRLINES, INC., a Delaware corporation

By: Name: Planav Trived

Title: Managing Director- Airport Affairs Corporate Real Estate

CITY AND COUNTY OF SAN FRANCISCO, a municipal corporation, acting by and through its Airport Commission

By:

Ivar C. Satero Airport Director

AUTHORIZED BY AIRPORT COMMISSION

Resolution No.:

Adopted: _____, 2018

Attest:

Secretary Airport Commission

APPROVED AS TO FORM: DENNIS J. HERRERA City Attorney

By: Duke I

Deputy City Attorney

Exhibit A

Project Parking Locations

Yellow Locations will receive VALE grant funding



November 2, 2017

Sample Exhibit B



FAA Voluntary Airport Low Emission Program PAGE 1. TRACKING FORMS - GENERAL INFORMATION

	 3-Letter Airport ID:	· · · · · · · · · · · · · · · · · · ·	Airport Name:
	 Calendar Year		Contact Person:
	 Phone:		Mailing Address:
	 Fax:		Email Address:
ver, 7.0			

DESCRIPTION OF TRACKING WORKSHEETS

The FAA provides these VALE project tracking worksheets to help sponsors monitor the emissions performance of VALE projects. This tracking format is provided to assist the sponsor in complying with the tracking conditions of the VALE Program. Using this format is not required. Sponsors are encouraged to use whatever system works best to track VALE vehicles and equipment.

Following a calendar year of operations, the sponsor should complete these forms, or ones similar, and keep them on file for purposes of updating reports to the State air quality agency for AERCs, facilitating FAA review, and providing information to the public upon request.

PAGE 1 - General Information

This sheet should be updated as needed to reflect changes in contact information.

PAGE 2 - Vehicle Tracking

Annual operational data and maintenance costs should be kept for each VALE-funded vehicle. Copies of PAGE 2 should be made as necessary. The annual emissions should be calculated for each VALE-funded vehicle and recorded in the lower right comer. This information, as well as supporting EDMS documentation, will need to be comunicated to the State air quality agency for AERC issuance and use.

PAGE 3 - Infrastructure Tracking

Annual operating data and maintenance costs should be kept for VALE-funded infrastructure.

PAGE 4- Emissions Tracking Worksheet

Total project emissions (vehicles + infrastructure use) should be calculated on an annual basis. Total emissions should be entered into the "project" columns. The baseline emissions should be identical or consistent with what was calculated in the initial project application. Emission reductions (ERs) for each project year are automatically calculated as the difference between "baseline" and "project." A running cumulative emissions reduction will automatically appear at the top of the page.

The total number of years for the project is equal to the useful life for individual VALE vehicles and equipment or to a longer period up to the typical 20-year life of AERCs.

			ICLE INFORMATION eet for <u>each</u> VALE vehicle)	
IDGRAM			Calendar Yea	ar:
Vehicle Identification	그는 것이 아이에 가장 아이들이 잘 가지 않는 것이 같다.	hicle Class formation	Alternative Fuel Type (check one)	Program ID Information
/ehicle Airport Deployment Date:	Ground Su nonroad, u	pport Equipment (GSE) nlicensed	Electric CNG (compressed natural gas) LNG (liquified natural gas)	Unique Airport Vehicle ID:
lake, Model, & Model Year.		cess Vehicle (GAV) r onroad use	LPG (liquefied petroleum gas/propane) Hybrid Technology	License Plate (if applicable):
Vehicle Owner: Hp:			Hydrogen (Fuel Cell) Ethanol 85 Methanol 85	·
	Vehicle lea	sed to a Tenant (Y/N)?	Coal-derived liquid fuels Biodiesel (85-100%)	Does vehicle have required VALE Program
/IN or Serial Number:	If yes, to w	hom?	Retrofit/Rebuild Other	label affixed (Y/N)?
Annual Vehicle Usage		((Airport Vehicle Type hoose only one vehicle type per worksheet)	
.vg. Useful Lìfe (years): ¹	Air Condition		Fuel Truck Generator	Passenger Car Passenger Van
riginal Vehicle Purchase Price:	Belt Loade	. –	Ground Power Unit	Service Van
or this calendar year, complete all that apply:	Cargo Load	fer	Fire Truck	Pickup Truck
iles traveled:	Cargo Trac	tor	Lavatory Truck	22' Shuttle
purs operated:	Catering Tr	uck	Pushback Tractor	30-35' Bus
nnual Fuel Use:	Deicer True	*	Sweeper	40' Bus
uel use units:	Fork Lift		Sport Utility Vehicle (SUV)	Other
Maintenanc	e Records		Annual Emissic	ons Summary
Description of Maintenance	Service Date	Maintenance Cost (\$)	Calculate annual emission based on the ope on this wo	rksheet.
			Pollutant	Annual Emission
	<u> </u>		NOx	(tons per year)
			VOC	
			CC	
	·		PM10	· · · · · · · · · · · · · · · · · · ·
		· · · · · · · · · · · · · · · · · · ·	PM2,5	
	· · · · ·		SOx	
	·	s -		······································

1/ Refer to Tables 7-1 and 8-1 in the VALE program Technical Report.

Page 2 of 4



PAGE 3. VALE INFRASTRUCTURE TRACKING SHEET

6	PROBRAM							Calendar Year:							
	Low Emissions Infrastructure Technololgy or Equipment Units														
国民党委員会の第	Description of Low Emission Infrastructure	Start-up Date	Estimated Operating Life (years)	No. of Units	Original Purchase Price	Does equipment have required VALE label affixed ? (Y/N)	Fuel Throughput (if applicable)	Maintenance Description	Maintenance Cost (\$)						
1															
2								· · · ·							
3						· · · · · ·									
4															
5															
6								······································							
7															
8							•								
9															
10															
1,1															
12	· ·				-										
	Totals:				\$0.00		0.00	· · · · · · · · · · · · · · · · · · ·	\$0.00						

Repeat this page as needed.

ver. 7,0



PAGE 4. VALE EMISSION REDUCTIONS (ER) TRACKING WORKSHEET

Proje	ect Cumula	tive Emiss	ion Reduc	tions Sum	mary
NOx	VOC	CO	PM10	PM2.5	SOx
0.0	0.0	0.0	0.0	0.0	0.0

	All values a	are in tons p	ber year												
	Project Ye	ar #1	i shanda	Project Ye	ar #2		Project Ye	ar #3	Secold Free Contraction	Project Ye	ar #4	Electron and a series	Project Ye	ar #5	
	Baseline	Project	ER	Baseline	Project	ER	Baseline	Project	ER	Baseline	Project	ER	Baseline	Project	ER
NOx	· ·		0.0			0.0			0.0			0.0			0.0
VOC	1		0.0			0.0			0.0			0.0			0.0
CO	1	· · ·	0.0			0.0			0.0			0.0			0.0
PM10	1		0.0			0.0			0.0			0,0			0.0
PM2.5	1		0.0			0.0			0.0			0.0			0.0
SOx	1		· 0.0			0.0		·	0.0			0.0			0.0

	Project Ye	ar #6	1.08.148	Project Year #7			Project Year #8			Project Year #9 Project Y					and a start of the second s
	Baseline	Project	ER	Baseline	Project	ER	Baseline	Project	ER	Baseline	Project	ER	Baseline	Project	ER
NOx			0.0			0.0			0.0			0.0		-	0.0
VOC	1	1	0.0			0.0			0.0			0.0	1		0.0
CO	1		0.0			0.0	1 · · · · · · ·		0.0			0.0			0.0
PM10	1		0.0			0.0			0.0			.0.0			0.0
PM2.5	1 1		0.0			0.0			0.0			0.0	· ·		0.0
SOx	1		0.0			0.0			0.0		·	0.0			0.0

	Project Ye	ar #11		Project Ye	ar #12		Project Ye	ar #13	和新闻的主义	Project Ye	ar #14	speciel st	Project Ye	ar #15 🚿	
	Baseline	Project	ER	Baseline	Project	ER	Baseline	Project	ER	Baseline	Project	ER	Baseline	Project	ER
NOx			0.0			0.0			0.0			0.0			0.0
VOC	1		0.0			0.0			0.0			0.0			0.0
CO	1		0.0			0.0			0.0			0.0			0.0
PM10			0.0			0,0			0.0			0.0			0.0
PM2.5]		0.0			0.0			0.0			0.0	· ·		0.0
SOx			0.0			0.0			0.0			0.0			0.0

	Project Ye	ar #16		Project Ye	ar #17		Project Ye	ar #18		Project Ye	ar #19		Project Ye	ar #20	Sa Sana
	Baseline	Project	ER	Baseline	Project	ER	Baseline	Project	ER	Baseline	Project	ER	Baseline	Project	ER
NOx			0.0			0.0			0.0			0.0			0.0
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SOx	1		0.0			0.0			0.0	1		0.0			0.0

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AIRPORT COMMISSION

CITY AND COUNTY OF SAN FRANCISCO

RESOLUTION NO. 18 - 0184

AUTHORIZATION TO ENTER INTO A CONTRIBUTION AGREEMENT WITH, AND TO ACCEPT A \$6,250,000 CONTRIBUTION FROM, UNITED AIRLINES, INC., FOR THE 400 HERTZ GROUND POWER CONVERTER UNITS AND PRECONDITIONED AIR UNITS SYSTEM INSTALLATION PROJECT AT PLOTS 40 AND 41

- WHEREAS, the San Francisco International Airport ("Airport") intends to implement a project consisting of the design, acquisition, construction, and installation of ten 400 Hertz ground power converter units ("Ground Power Units") and ten preconditioned air units ("PCA Units"), together with related infrastructure at Plots 40 and 41; and
- WHEREAS, the 400 Hertz Ground Power Converter Units and Preconditioned Air Units System Installation Project ("Project") for ten locations includes four locations at the SuperBay Hangar at Plot 40, leased to United Airlines, Inc. ("United"), pursuant to Lease L04-0058, dated June 1, 2004, and six locations at Plot 41; and
- WHEREAS, the Project is partially funded by a Voluntary Airport Low Emission ("VALE") Program grant of \$10,577,500 under the Federal Aviation Administration Airport Improvement Program; and
- WHEREAS, United has agreed to contribute \$6,250,000 towards the Project cost, which is estimated to be \$25,000,000; and
- WHEREAS, the Airport expects to fund all Project costs exceeding the funds contributed by United and the VALE grant; and
- WHEREAS, the Airport wishes to enter into a Contribution Agreement ("Agreement") with United to specify the parties' obligations for the Project and to ensure VALE Program grant terms and conditions are met and to accept a \$6,250,000 contribution from United; and
- WHEREAS, the term of the Agreement will expire on the earlier of: (a) the end date of the twenty-year useful life of the Ground Power Units and PCA Units, (b) the termination of United's current or any successor lease at the SuperBay Hangar, or (c) cancellation of the Project by the Airport; and
- WHEREAS, the completion of this Project will result in significant air quality emission reductions, greenhouse gas savings, and operational cost savings; and
- WHEREAS, as required by the VALE Program grant, the Airport will retain ownership of all Ground Power Units, PCA Units, and related infrastructure; now, therefore, be it

AIRPORT COMMISSION

CITY AND COUNTY OF SAN FRANCISCO

RESOLUTION NO. 18=0181

RESOLVED, that this Commission authorizes the Airport Director to execute a Contribution Agreement with, and to accept a contribution of \$6,250,000 from, United Airlines, Inc., for the 400 Hertz Ground Power Converter Units and Preconditioned Air Units System Installation Project at Plots 40 and 41; and, be it further

RESOLVED, that the Commission Secretary is hereby directed to request approval of the Contribution Agreement by Resolution of the Board of Supervisors in accordance with Section 9.118 of the Charter of the City and County of San Francisco.

Page 2 of 2

I hereby certify that the foregoing reso	lution was adopted by the Airport Commission
at its meeting of	JUN 1 9 2018
	Carlaninati
	Secretary

AIRPORT COMMISSION

CITY AND COUNTY OF SAN FRANCISCO

RESOLUTION NO. 16-0149

AUTHORIZATION TO ACCEPT AND EXPEND FEDERAL AVIATION ADMINISTRATION GRANT FUNDS IN THE AMOUNT OF \$15,200,000 FOR A VOLUNTARY AIRPORT LOW EMISSIONS (VALE) PROJECT

- WHEREAS, the Airport is filing a grant application to seek federal assistance under the Airport Improvement Program ("AIP"), which provides for reimbursement by the Federal Aviation Administration ("FAA") of up to 75% of the allowable project costs; and
- WHEREAS, a Voluntary Low Emissions Program ("VALE") project to be implemented at San Francisco International Airport (the "Airport") is eligible for federal assistance under the AIP; and
- WHEREAS, under the proposed VALE project, the Airport will purchase and install 400 Hz ground power converter units and preconditioned air units at nine locations at the Airport; and
- WHEREAS, the completion of the proposed project will result in very significant air quality emission reductions, greenhouse gas savings, and operational cost savings; and
- WHEREAS, the Airport is applying for FAA AIP discretionary funding in an estimated amount of \$15,200,000 for the proposed VALE project; now therefore, be it
- RESOLVED, that, upon receipt by the Airport of the Federal Aviation Administration Federal Fiscal Year 2016 Grant Offer for the Voluntary Airport Low Emissions Program project eligible for Airport Improvement Program funding, this Commission hereby authorizes the Airport Director to accept and expend the grant funds in said Grant Offer in an amount estimated to be \$15,200,000 and any additional amounts up to 15% of the original grant amount that may be offered.

I hereby certify that the foregoing resolution was adopted by the Airport Commission

Ξ. MAY 1.7 2016 at its meeting of___ annoth Secretary

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San Francisco International Airport

MEMORANDUM

June 19, 2018

TO:

AIRPORT COMMISSION

Hon. Larry Mazzola, President Hon. Linda S. Crayton, Vice President Hon. Eleanor Johns Hon. Richard J. Guggenhime Hon. Peter A. Stern

FROM: Airport Director

SUBJECT: Authorization to Enter into a Contribution Agreement with, and to Accept a \$6,250,000 Contribution from, United Airlines, Inc., for the 400 Hertz Ground Power Converter Units and Preconditioned Air Units System Installation Project at Plots 40 and 41

DIRECTOR'S RECOMMENDATION: AUTHORIZE THE AIRPORT TO ENTER INTO A CONTRIBUTION AGREEMENT WITH, AND TO ACCEPT A \$6,250,000 CONTRIBUTION FROM, UNITED AIRLINES, INC., FOR THE 400 HERTZ GROUND POWER CONVERTER UNITS AND PRECONDITIONED AIR UNITS SYSTEM INSTALLATION PROJECT AT PLOTS 40 AND 41.

Executive Summary

The attached Resolution authorizes the Airport Director to enter into a Contribution Agreement ("Agreement") with, and to accept a \$6,250,000 contribution from, United Airlines, Inc. ("United") related to the 400 Hertz Ground Power Converter Units and Preconditioned Air Units System Installation Project ("Project") at Plots 40 and 41 at San Francisco International Airport ("Airport"). The completion of this Project will result in significant air quality emission reductions, greenhouse gas savings, and operational cost savings.

Background

The Airport intends to implement the Project consisting of the design, purchase, construction, and installation of 400 Hertz ground power converter units ("Ground Power Units") and preconditioned air units ("PCA Units"), together with related infrastructure improvements, on ten locations at Plots 40 and 41 at the Airport. Four of the locations included in the Project are at the SuperBay Hangar at Plot 40, leased by United pursuant to Lease L04-0058 dated June 1, 2004. The remaining six locations are at Plot 41.

			THIS PRINT	COVERS CALEND	AR ITEM NC) <u> </u>
AIRPORT COMM	ISSION CITY AND COL	JNTY OF SAN FRANCISCO	1	• •		
MARK FARRELL MAYOR	LARRY MAZZOLA PRESIDENT	LINDA S. CRAYTON VICE PRESIDENT	ELEANOR JOHNS	RICHARD J. GUGGENHIME	PETER A. STERN	IVAR C. SATERO AIRPORT DIRECTOR
Post Office Box	8097 San Francisco	o, California 94128 To	el 650.821.5000 Fa	x 650.821.5005 www.flysf	o.com	

Members, Airport Commission

June 19, 2018

United has agreed to contribute \$6,250,000 towards the Project cost, which is estimated to be \$25,000,000. The Project is also partially funded by a Voluntary Airport Low Emission ("VALE") Program grant under the Federal Aviation Administration Airport Improvement Program. The balance will be funded by the Airport. A summary of the Project funding is as follows:

United Contribution	\$6,250,000
VALE Grant Funds	\$10,577,500
Airport Funds	\$8,172,500
Total Estimated Project Cost	\$25,000,000

As required by the VALE grant, the Airport will retain ownership of the ten Ground Power Units, ten PCA Units, and related infrastructure.

The Airport wishes to enter into an Agreement with United to accept United's contribution of \$6,250,000 and to specify the parties' roles and responsibilities related to the Project to ensure the VALE grant terms and conditions are met. The term of the Agreement will expire on the earlier of: (a) the end date of the twenty-year useful life of the Ground Power Units and PCA Units, (b) the termination of United's current or any successor lease at the SuperBay Hangar, or (c) cancellation of the Project. In the event of cancellation of the Project by the Airport, the Airport would refund United's contribution in full.

Recommendation

I recommend that this Commission adopt the attached Resolution authorizing the Airport Director to execute the Contribution Agreement with, and to accept a \$6,250,000 contribution from United Airlines, Inc., for the 400 Hertz Ground Power Converter Units and Preconditioned Air Units System Installation Project at Plots 40 and 41. I further recommend directing the Commission Secretary to forward the Contribution Agreement to the Board of Supervisors for approval in accordance with City Charter Section 9.718.

atero Airport Director

Prepared by: Leo Fermin Chief Business and Finance Officer

Attachment

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San Francisco International Airport

MEMORANDUM

May 17, 2016

TO:

AIRPORT COMMISSION

Hon. Larry Mazzola, President Hon. Linda S. Crayton, Vice President Hon. Eleanor Johns Hon. Richard J. Guggenhime Hon. Peter A. Stern

FROM: Airport Director

SUBJECT:

ECT: Authorization to Accept and Expend Federal Aviation Administration Grant Funds in the Amounts of (1) \$3,750,000 for an Airfield Signage Project; (2) \$15,200,000 for a Voluntary Airport Low Emissions (VALE) Project; and (3) \$1,800,000 for the Continuation of the Noise Insulation Program and Any Additional Amounts up to 15% of the Original Grant Amount that may be Offered

DIRECTOR'S RECOMMENDATION: AUTHORIZE THE ACCEPTANCE AND EXPENDITURE OF FEDERAL AVIATION ADMINISTRATION GRANT FUNDS IN THE AMOUNTS OF (1) \$3,750,000 FOR AN AIRFIELD SIGNAGE PROJECT; (2) \$15,200,000 FOR A VOLUNTARY AIRPORT LOW EMISSIONS (VALE) PROJECT; AND (3) \$1,800,000 FOR THE CONTINUATION OF THE NOISE INSULATION PROGRAM AND ANY ADDITIONAL AMOUNTS UP TO 15% OF THE ORIGINAL GRANT OFFER(S).

Executive Summary

For Federal Fiscal Year ("FFY") 2016, the Airport is applying for Federal Aviation Administration ("FAA") Airport Improvement Program ("AIP") grant funds as follows: (1) \$3,750,000 for an airfield signage project; (2) \$15,200,000 for a Voluntary Airport Low Emissions ("VALE") project; and (3) \$1,800,000 for the continuation of the Noise Insulation Program ("NIP"). We are requesting authorization to accept and expend these grant amounts and any additional amounts up to 15% of the original grant amount(s) that may be offered by the FAA.

AIP grants are contingent upon funding availability and are offered on short notice. An advance Commission approval positions the Airport to accept the grant offer within the timeframe determined by the FAA.

Background

The AIP provides for the reimbursement of up to 75% of the cost for eligible Airport improvement projects, including VALE projects. Furthermore, the AIP provides for the reimbursement of up to

AIRPORT COMMISSION CITY AND COUNTY OF SAN FRANCISCO		THIS PRINT	COVERS CALEN	DAR ITEM N	10	
EDWIN M. LEE MAYOR	LARRY MAZZOLA PRESIDENT	LINDA S. CRAYTON VICE PRESIDENT	ELEANOR JOHNS	RICHARD J. GUGGENHIME	PETER A. STERN	JOHN L. MARTIN AIRPORT DIRECTOR

80% of the cost for eligible projects for noise insulation program implementation. For FFY 2016, the Airport may receive three discretionary grants totaling approximately \$20,750,000 for the proposed projects described below.

Scope of Work

Airfield Signage Project

Under the Airfield Signage Upgrade, Phase A project, the Airport will implement necessary modifications to bring airfield signage in compliance with current FAA regulations and ensure Airport safety standards are maintained. Modifications include replacing inefficient signs that have exceeded the service life with energy efficient LED signs; updating outdated airfield signage infrastructure; and adding required electrical infrastructure for installing additional airfield signs as required in the future due to geometry changes, safety enhancements, or FAA regulation changes. In addition, the Airport will also relocate Runway 28L windcone to meet current FAA standards.

VALE Project

Under the VALE project, the Airport will purchase and install nine 400 Hz ground power converter units and nine preconditioned air units at nine locations at the Maintenance Operation Center and the SuperBay aircraft hangar parking aprons at the Airport. The completion of this project will result in very significant air quality emission reductions, greenhouse gas savings, and operational cost savings.

Noise Insulation Project

The State of California Noise Standard for Airports (Title 21 of the California Administrative Code) requires airports to eliminate incompatible land uses in the noise impact area unless the airport receives a variance. Starting in the 1980s, the Airport, through coordination with the surrounding communities and San Mateo County, implemented the NIP to eliminate incompatible land uses and meet Title 21 requirements. Since 2008, the Airport has been managing the program directly, addressing homes that were not treated in previous NIP phases because owners did not participate and that were subsequently sold to new owners who now want their properties insulated. The homes are considered if they are located within the 65-dB noise contour of the Noise Exposure Map ("NEM") or are part of contiguous neighborhoods partially within this contour.

The Airport plans to continue insulation of additional eligible dwellings located inside the current NEM (2019 NEM accepted by the FAA in February 2016). An initial group of approximately 39 properties in San Bruno, Daly City, and Millbrae has been identified for potential consideration in this phase of the program. The actual number of dwellings to receive noise insulation improvements will be defined after a detailed evaluation of the properties is completed in order to confirm their eligibility.

	Project Name	Discretionary Funds Requested
1	Airfield Signage Upgrade, Phase A	\$ 3,750,000
2	Voluntary Airport Low Emissions Project	\$15,200,000
3	Noise Insulation Project	\$ 1,800,000
	L	TOTAL \$20,750,000

Following is a summary of the discretionary funds requested for the proposed projects:

Recommendation

I recommend that this Commission approve the attached Resolutions authorizing the acceptance and expenditure of Federal Aviation Administration Federal Fiscal Year 2016 Airport Improvement Program grant funds up to: (1) \$3,750,000 for an Airfield Signage Project; (2) \$15,200,000 for a Voluntary Airport Low Emissions Project; and (3) \$1,800,000 for the Continuation of the Noise Insulation Program and any additional amounts up to 15% of the original grant amount(s) that may be offered. Airport staff will return to the Commission if any of the resulting grant offer(s) exceed 15% of the original grant amount.

John D Martin Airport Director

Prepared by: Leo Fermin Chief Business and Finance Officer

Attachment

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San Francisco International Airport

August 21, 2018

Ms. Angela Calvillo Clerk of the Board Board of Supervisors City Hall 1 Dr. Carlton B. Goodlett Place, Room 244 San Francisco, CA 94102-4689

Subject: Approval of a Form of Contribution Agreement between San Francisco International Airport and United Airlines, Inc. to Accept \$6,250,000 for an Airport Infrastructure Project

Dear Ms. Calvillo:

We have enclosed a Board of Supervisors Resolution approving the acceptance of \$6,250,000 contribution from United Airlines, Inc. ("United") and a form of Contribution Agreement for the implementation of a project consisting of the design, acquisition, construction, and installation of 400 Hz generators and pre-conditioned air units for ten remain overnight aircraft parking positions on Plots 40 and 41 at San Francisco International Airport (the "Project").

United has agreed to contribute \$6,250,000 towards the Project cost, which is estimated to be \$25,000,000. This Project is partially funded by a Voluntary Airport Low Emission ("VALE") Program grant of \$10,577,500 under the Federal Aviation Administration Airport Improvement Program.

The Contribution Agreement with United specifies the parties' obligations for the Project, requires United's compliance with applicable VALE Program grant terms and conditions, and provides for a \$6,250,000 contribution from United.

We are seeking authorization to accept the contribution of \$6,250,000 from United from the Board of Supervisors.

The following is a list of accompanying documents (three sets):

- Board of Supervisors Resolution;
- Approved Airport Commission Resolution No. 16-0149;
- Memorandum accompanying Airport Commission Resolution No. 16-0149;
- Approved Airport Commission Resolution No. 18-0184;
- Memorandum accompanying Airport Commission Resolution No. 18-0184;
- Form of Contribution Agreement; and
- Two Ethics Forms SFEC-126 (BOS and Mayor).

AIRPORT COMMISSION CITY AND COUNTY OF SAN FRANCISCO

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

The following person may be contacted regarding this matter:

Ronda Chu Capital Finance Director (650) 821-2823 ronda.chu@flysfo.com

Very truly yours, Corina Monzon **Commission Secretary**

Enclosures

cc: Ronda Chu, Finance Cathy Widener, Governmental Affairs

File No. 180852

FORM SFEC-126: NOTIFICATION OF CONTRACT APPROVAL (S.F. Campaign and Governmental Conduct Code § 1.126)

City Elective Officer Information (Please print clearly.)	
Name of City elective officer(s):	City elective office(s) held:
Members, Board of Supervisors	Members, Board of Supervisors
Contractor Information (Please print clearly.)	
lame of contractor:	
United Airlines, Inc.	
inancial officer and chief operating officer; (3) any person w	rd of directors; (2) the contractor's chief executive officer, chief who has an ownership of 20 percent or more in the contractor; (4 political committee sponsored or controlled by the contractor. Us
arney Harford	
Edward Shapiro, MBA	
Edward Philip	
 2) Oscar Munoz, Chief Executive Officer J. Scott Kirby, President Andrew C. Levy, Chief Financial Officer and Executi Gregory L. Hart, Chief Operating Officer and Execut 3) N/A A) N/A A) N/A 5) N/A Contractor address: 233 South Wacker Drive, Chicago, IL 60606 	
Date that contract was approved:	Amount of contract: \$6,250,000
	rancisco – Airport Commission, a lump sum of \$6,250,000 as a e design, acquisition, construction, and installation of ground elated infrastructure, at five designated aircraft parking
his contract was approved by (check applicable): the City elective officer(s) identified on this form	

☑ a board on which the City elective officer(s) serves <u>San Francisco Board of Supervisors</u>

Print Name of Board

□ the board of a state agency (Health Authority, Housing Authority Commission, Industrial Development Authority Board, Parking Authority, Redevelopment Agency Commission, Relocation Appeals Board, Treasure Island Development Authority) on which an appointee of the City elective officer(s) identified on this form sits

Print Name of Board

Filer Information (Please print clearly.)	
Name of filer:	Contact telephone number:
Angela Calvillo, Clerk of the Board	(415) 554-5184
Address:	E-mail:
City Hall, Room 244, 1 Dr. Carlton B. Goodlett Pl., SF, CA 94102	Board.of.Supervisors@sfgov.org

Signature of City Elective Officer (if submitted by City elective officer)

Date Signed

Signature of Board Secretary or Clerk (if submitted by Board Secretary or Clerk)

Date Signed