

RESOLUTION NO. 27237

LAX

Van Nuys

City of Los Angeles

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Mayor

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Commissioners**

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Chief Executive Officer

WHEREAS, on recommendation of Management, there was presented for approval, Award of five (5)-year Contract to EMS Brüel & Kjær, Inc. dba Envirosuite, Inc., with two (2) three-year extension options, covering replacement of the existing Noise and Operations Monitoring System at Los Angeles International Airport and Van Nuys Airport, and ongoing maintenance services of such system, for cost not to exceed \$7,725,732; and appropriation of not to exceed \$3,021,506 to cover capital expenditures associated with said project; and

WHEREAS, Los Angeles International Airport (LAX) and Van Nuys Airport (VNY) have a number of noise monitors based on the airport's operational level and the extent of the noise exposure on surrounding communities. Currently, LAX has 39 permanent monitors and VNY has 7 permanent monitors. The Noise and Operations Monitoring System (NOMS) collects noise data from the noise monitors and correlates them with flight track data obtained from the Federal Aviation Administration (FAA) radar system to determine aircraft noise events, and displays the information on a user interface for staff to review, query, analyze and use for all noise management programs and functions; and

WHEREAS, the NOMS also includes two (2) other critical integrated software programs. The first is the online flight tracking system, WebTrak, that allows residents to view and identify aircraft operations and submit noise comments for specific flights. The second is a noise comment management system, called Viewpoint, that enables staff effectively to receive and manage noise comments and allows them to investigate and respond to these comments. Viewpoint also allows residents several options of submitting noise comments, such as using a mobile app, an online comment form, WebTrak, or calling the noise comment hotline; and

WHEREAS, the existing NOMS has well surpassed its ten (10)-year service life. Since the manufacturer no longer produces replacement parts for the system's hardware, including all permanent noise monitors at both airports, existing parts have had to be refurbished to support current maintenance. While the system's software is current and operational, the hardware components of the system will require replacement to ensure proper operation; and

WHEREAS, Los Angeles World Airports (LAWA) received proposals from the following three (3) firms, in response to the Request for Proposals for services to replace the existing NOMS and perform ongoing system maintenance:

- BridgeNet International
- Casper Airport Solutions Inc.
- EMS Brüel & Kjær, Inc. dba Envirosuite, Inc.; and

WHEREAS, the firms were evaluated according to the following criteria:

	Evaluation Criteria	Points
1	Scope of Work and Approach	45
2	Qualifications and Experience	25
3	Cost	20
4	Inclusivity Plan	10
	Total Points	100; and



WHEREAS, after completing the evaluation process, the selection panel unanimously selected EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. (the entity receiving the highest point total) as the most qualified firm to provide the required services. The panel found that the firm demonstrated extensive knowledge and experience in developing, designing and maintaining many systems across the country, as well as serving the majority of the airports in California, and the firm has an extensive understanding of Title 21 requirements pertaining to the noise monitoring system and placement of the noise monitoring terminals. EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. also has the capacity and resources to carry out the project in the most efficient and cost-effective manner, with its local staff stationed in Los Angeles, and to provide replacement parts, troubleshooting, and maintenance support of the NOMS hardware and software components in a timely manner; and

WHEREAS, staff then worked with EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. to negotiate the contract services and costs. The firm provided cost options for consideration that are dependent on the duration of the contract term. As the NOMS is designed to provide a minimum life expectancy of ten (10) years and is considered to be a long-term capital investment for LAWA, staff determined it would be most advantageous and cost effective to proceed with a service contract that will cover the system's life expectancy, to ensure LAWA's investment is protected and amortized by having continuous support from the manufacturer, and having a system that will remain operational for many years to come. The NOMS solution also includes a Software as a Service (SaaS) subscription solution that allows the system and data to be hosted remotely, thereby reducing internal resources and maintenance costs; and

WHEREAS, the Contract for the initial five (5)-year term consists of two (2) phases: the project implementation phase and the maintenance phase. The two (2) three-year options to extend primarily would provide subscription and maintenance services:

- > Project Implementation Phase – includes the following key services and is expected to be completed within the first year of the Contract
 - Replace seven (7) noise monitoring terminals (NMTs) at VNY and 26 NMTs at LAX, with the latest noise monitoring equipment and related components for those sites.
 - Conduct a site assessment of the noise monitoring locations to evaluate the structural integrity and determine whether to reuse the existing infrastructure (foundations, poles and masts). It currently is anticipated, based on a preliminary inspection, that most of the existing infrastructure can be reused.
 - Decommission fourteen (14) existing NMTs at LAX by removing all devices, poles, foundations, and any other equipment, and returning the sites to their original state. Said fourteen (14) sites are not required by California Code of Regulations Title 21 since they are located well outside the 65 dB Community Noise Equivalent Level (CNEL) noise impact area (pre-COVID-19 noise levels) and posed ongoing challenges to maintain. Removal will reduce recurring maintenance costs.
 - Upgrade the existing NOMS software to the latest version with focus on enhancing the integration of air traffic control communications and usability of the software.
 - Provide Title 21 Certification Plan, which includes a description of the process and all required documentation.
 - Perform threshold analysis on all noise monitoring terminal locations to ensure the noise monitors capture aircraft noise and not other noise sources.
 - Perform all other required functions and tasks as described in the Contract.
- > Maintenance Phase – includes the following key services and is expected to commence on the effective date of the Contract and continuing throughout the contract term
 - Diagnose, repair and replace all NOMS hardware and software components
 - Provide replacement parts for all noise monitors
 - Perform annual calibration on all permanently installed noise monitors

- Maintain wireless communication service accounts for all noise monitors
- Maintain WebTrak Internet Flight Tracking Systems
- Maintain Viewpoint Noise Comment Management Systems
- Provide technical support
- Provide software patches, updates and system upgrades
- Provide flight track data
- Provide flight data files for noise modeling systems
- Provide system hosting services; and

WHEREAS, the maintenance service will initially cover the existing NOMS at LAX and VNY to ensure that it remains operational until the new system is in place. Once the replacement project is completed, the maintenance service will shift over and cover the new system for both airports; and

WHEREAS, in addition to the services noted above, the Contract also includes other optional services that can be implemented on an as-needed basis during the contract term. Such optional services include installing up to two new NMTs at LAX to better define the 65 dB CNEL noise impact area, deploying portable monitors in residential areas to conduct noise analyses, enhancing or replacing the current Air Traffic Control (ATC) communications system to improve reception, creating additional custom Power BI reports, and performing other tasks. Staff will consider implementing said services upon evaluating the necessity of and business case for conducting such services, thereby providing needed flexibility; and

WHEREAS, the cost elements under the Contract for term of up to eleven (11) years are noted as follows:

Contract Elements – (Includes Capital and Operating Costs)			
Description	LAX	VNY	Total
Project Implementation and Maintenance Services for the Initial five (5)-year term	\$2,575,870	\$ 786,217	\$3,362,087
Renewal Options for Maintenance Services for Years 6-11	2,284,501	761,501	3,046,002
Optional Additional Services - includes up to two (2) new NMTs, portable noise monitoring, and other items to be used as needed within the five (5)-year initial term	490,479	124,826	615,305
Contingency - Covers any unforeseen items, damage to NMTs, and consumable expenses throughout the eleven (11)-year term	526,753	175,585	702,338
Total Cost by Airport	\$5,877,603	\$1,848,129	
Not-to-Exceed Contract Value			\$7,725,732; and

Note: Maintenance services include an annual 2% Consumer Price Index adjustment after first year of the contract

WHEREAS, funding for the capital elements of the project have been included in the Capital Improvement Program (CIP), which will cover the project implementation phase such as

installation, replacement, and decommissioning of noise monitors, plus other related tasks and services. Estimated capital expenditures are as follows:

Estimated Capital Expenditures for NOMS Replacement Project for Initial 5-Year Term			
Description	LAX	VNY	Total
<i>Capital Expenditures associated with Contract</i>			
Project Implementation Costs: • Replacement of 33 NMTs • Decommissioning of 14 NMTs • Installation of 2 new NMTs • Five (5)-Year SaaS Subscription	\$1,815,178	\$538,829	\$2,354,007
Project Contingency	67,318	28,850	96,168
Subtotal	\$1,882,496	\$567,679	\$2,450,175
<i>Other Capital Expenditures to Support Project Implementation</i>			
Infrastructure Hardware Allowance (Upgrade of ATC communication equipment, server room, etc.)	\$ 49,000	\$ 21,000	\$ 70,000
Project Soft Costs: • 3rd Party Technical Oversight • LAWA Information Technology Project Management	350,932	150,399	501,331
Subtotal	\$ 399,932	\$171,399	\$ 571,331
Total Estimated Capital Expenditures	\$2,282,427	\$739,079	\$3,021,506; and

Note: Costs for individual line items may vary, but the total capital expenditures shall not exceed \$3,021,506.

WHEREAS, capital funds of \$2,282,427 for LAX will be appropriated and allocated from LAX Revenue Fund to WBS Element 1.21.03A-700, and \$739,079 for VNY will be appropriated and allocated from VNY Revenue Fund to WBS Element 3.21.01A-700, for total appropriation of \$3,021,506 capital funds for the project. If additional capital funding is needed at a later time for the project, staff will request Board approval for additional capital appropriation separately; and

WHEREAS, funding for the remaining costs of the Contract, which primarily consists of maintenance and other essential services, will come from the operating budget and will be requested in the annual operating budget process. Funding needed for Fiscal Year 2021-2022 is included in LAWA Operating Budget in Cost Centers 1140006 – Noise Management Section and 1400009 – VNY Noise Management, under Commitment Item 520 – Contractual Services; and

WHEREAS, this item, as a continuing administrative, maintenance and personnel-related activity, is exempt from California Environmental Quality Act (CEQA) requirements pursuant to Article II, Section 2.f. of the Los Angeles City CEQA Guidelines. In addition, replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity is exempt from CEQA requirements pursuant to Article III, Class 2 (3) of the Los Angeles City CEQA Guidelines; and

WHEREAS, EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. is required by contract to comply with the provisions of the Living Wage Ordinance; and

WHEREAS, Procurement Services has reviewed this action (File 9553) and established a mandatory 5% Small Business Enterprise (SBE) goal for the project. EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. proposed 5% SBE participation; and

WHEREAS, EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. is required by contract to comply with the provisions of the Affirmative Action Program; and

WHEREAS, EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. has been assigned Business Tax Registration Certificate 0000298678-0001-6; and

WHEREAS, EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. is required by contract to comply with the provisions of the Child Support Obligations Ordinance; and

WHEREAS, EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. must have approved insurance documents, in the terms and amounts required, on file with LAWA prior to execution of the Contract; and

WHEREAS, pursuant to Charter Section 1022, staff determined that the work specified on the Contract can be performed more feasibly and economically by Independent Contractors than by City employees; and

WHEREAS, EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. has submitted the Contractor Responsibility Program Pledge of Compliance, and will comply with the provisions of said program; and

WHEREAS, EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. has been determined by Public Works, Office of Contract Compliance to be in compliance with the provisions of the Equal Benefits Ordinance; and

WHEREAS, EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. will be required to comply with the provisions of the First Source Hiring Program for all non-trade LAX jobs; and

WHEREAS, EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. has submitted the Bidder Contributions CEC Form 55, and will comply with its provisions; and

WHEREAS, EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. has submitted the Municipal Lobbying Ordinance CEC Form 50, and will comply with its provisions; and

WHEREAS, EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. has submitted the Iran Contracting Act Affidavit, and will comply with its provisions; and

WHEREAS, actions taken on this item by the Board of Airport Commissioners will become final pursuant to the provisions of Los Angeles City Charter Section 373;

NOW, THEREFORE, BE IT RESOLVED that the Board of Airport Commissioners adopted the Staff Report; determined that this action is exempt from California Environmental Quality Act (CEQA) pursuant to Article II, Section 2.f. and Article III, Class 2 (3) of the Los Angeles City CEQA Guidelines; found that the work can be performed more economically or feasibly by an independent contractor than by City employees; approved Award of five (5)-year Contract to EMS Brüel & Kjær, Inc. dba Envirosuite, Inc., with two (2) three-year extension options, covering replacement of the existing Noise and Operations Monitoring System at Los Angeles International Airport and Van

Nuys Airport, and ongoing maintenance services of such system, for cost not to exceed \$7,725,732; further approved appropriation of not to exceed \$3,021,506 to cover capital expenditures associated with said project; and authorized the Chief Executive Officer to execute said Contract with EMS Brüel & Kjær, Inc. dba Envirosuite, Inc. after approval as to form by the City Attorney and approval by the Los Angeles City Council.

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I hereby certify that this Resolution No. 27237 is true and correct, as adopted by the Board of Airport Commissioners at its Regular Meeting held on Thursday, April 1, 2021.



Grace Miguel – Secretary
BOARD OF AIRPORT COMMISSIONERS