



# Meeting Announcement

## Ground-Based Noise Subcommittee

**Tuesday, July 11, 2023 - 3:00 p.m – 4:30 p.m.**  
**\*VIA HYBRID ACCESS\***

David J. Chetcuti Community Room  
450 Poplar Avenue – Millbrae, CA 94030

Public may also join the webinar:

<https://smcgov.zoom.us/j/98114991006>

Or Dial-in:

US: +(669)900-6833 Webinar ID: 981 1499 1006

This meeting of the Ground-Based Noise Subcommittee (GBN) will be in person at the above mentioned address. Members of the public will be able to participate in the meeting remotely via the Zoom platform or in person at 450 Poplar Avenue, Millbrae CA 94030. For information regarding how to participate in the meeting, either in person or remotely, please refer to instructions at the end of the agenda.

### **HYBRID PUBLIC PARTICIPATION:**

List of attendees (using zoom sign-in credentials) will be displayed periodically throughout the meeting.

The GBN Subcommittee meeting may be accessed through the above mentioned Zoom webinar. Members of the public may also attend this meeting physically in the David J. Chetcuti Community Room at 450 Poplar Avenue, Millbrae CA 94030.

\*Written public comments can be emailed to [amontescardenas@smcgov.org](mailto:amontescardenas@smcgov.org), and should include specific agenda item to which you are commenting.

\*Spoken public comments will also be accepted during the meeting in-person or via Zoom on Items NOT on the Agenda and for each Agenda Item at the option of the speaker.

\*\*Please see instructions for written and spoken comments at the end of this agenda.

### **ADA Requests**

Individuals who require special assistance or a disability-related modification or accommodation to participate in this meeting, or who have a disability and wish to request an alternative format for the agenda, agenda packet or other writings that may be distributed at the meeting, should contact Angela Montes, as early as possible but no later than 10:00am the day before the meeting at [amontescardenas@smcgov.org](mailto:amontescardenas@smcgov.org). Notification in advance of the meeting will enable the Staff to make reasonable arrangements to ensure accessibility to this meeting, the materials related to it, and your ability to comment.

## AGENDA

### Call to Order

Ann Schneider, Subcommittee Chairperson

### Public Comment on Items NOT on the Agenda

Speakers are limited to two minutes.

## AGENDA ITEMS

### 1. Introduction and Comments from Subcommittee Chairperson

Ann Schneider, Subcommittee Chairperson

### 2. Discussion on Use of Portable Noise Monitors in Ground-Based Noise Data Gathering

Ann Schneider, Subcommittee Chairperson

Eugene Reindel, HMMH Technical Consultant

Bert Ganoung, SFO Aircraft Noise Office Manager

*Attachment: HMMH Memo & Map*

- a. Determine which fixed noise monitors to use for SFO to obtain the A- and C-weighted noise data from aircraft operations
- b. Determine the number and placement of portable noise monitors
- c. Determine the dates to conduct noise measurements
- d. Determine the noise data to be collected and reported by SFO to the GBH Subcommittee to understand the results

### 3. Discussion and specific requests to be reported at the November GBN Meeting

Ann Schneider, Subcommittee Chairperson

- a. Report on data from when Runway 1L was closed
- b. Conditions that exacerbate departure noise and any mitigations and can these situations lead to operational changes at SFO?
- c. 2022 FAA Noise Contour changes in Millbrae and why.
- d. ANEEM, N Above: what does this mean, in terms of capturing community noise behind runways and under during reverse flow?
- e. FAA: when communities are impacted by multiple noise inputs, who takes responsibility?

### 4. Adjournment

### **\*\*Instructions for Public Comment during Videoconference Meeting**

During the GBN Subcommittee hybrid meeting, members of the public may address the Membership as follows:

#### **Written Comments:**

Written public comments may be emailed in advance of the meeting. Please read the following instructions carefully:

1. Your written comment should be emailed to [amontescardenas@smcgov.org](mailto:amontescardenas@smcgov.org)
2. Your email should include the specific agenda item on which you are commenting.
3. Members of the public are limited to one comment per agenda item.
4. The length of the emailed comment should be commensurate with two minutes customarily allowed for verbal comments, which is approximately 250-300 words.

## Ground-Based Noise Subcommittee

### Page 3 of 3

5. If your emailed comment is received by 5:00 pm on the day before the meeting, it will be provided to the Roundtable and made publicly available on the agenda website under the specific item to which comment pertains. The Roundtable will make every effort to read emails received after that time but cannot guarantee such emails will be read during the meeting, although such emails will still be included in the administrative record.

### **Spoken Comments:**

#### In-person Participation:

1. If you wish to speak to the Membership, please fill out a speaker's slip located at the entrance. If you have anything you wish distributed to the Membership and included in the official record, please hand it to the Clerk who will distribute the information to the Membership and Staff.

#### Via Teleconference (Zoom):

1. The GBN Subcommittee meeting may be accessed through Zoom online at <https://smcgov.zoom.us/j/98114991006>. The webinar ID: 981 1499 1006. The meeting may also be accessed via telephone by dialing in +1-669-900-6833, entering webinar ID then press #. Members of the public can also attend this meeting physically in the David J. Checuti Community Room at 450 Poplar Avenue, Millbrae CA, 94030.
2. You may download the Zoom client or connect to the meeting using the internet browser. If you are using your browser, make sure you are using current, up-to-date browser: Chrome 30+, Firefox 27+, Microsoft Edge 12+, Safari 7+. Certain functionality may be disabled in older browsers including Internet Explorer.
3. You will be asked to enter an email address and name. We request that you identify yourself by name as this will be visible online and will be used to notify you that it is your turn to speak.
4. When the Chairperson calls for the item on which you wish you speak click on "raise-hand" icon. You will then be called on and unmuted to speak.

### **\*Additional Information:**

For any questions or concerns regarding Zoom, including troubleshooting, privacy, or security settings, please contact Zoom directly.



## MEMORANDUM

---

**To:** Ann Schneider  
SFO Roundtable Member & Ground-Based Noise Subcommittee Chair

**From:** Gene Reindel, Technical Consultant to the SFO Roundtable

**Date:** February 15, 2023

**Subject:** GBN Subcommittee Agenda Item(s)

**Reference:** HMMH Project Number: 03-12310.000

---

This memorandum, at the request of the SFO Roundtable Coordinator, Kathleen Wentworth, provides HMMH's recommended approach to acquiring data in support of the adjacent communities' assertion that the CNEL contours do not adequately include noise from ground-based aircraft operations.

The first step to addressing community concerns regarding aircraft noise is to define the problem. This is more than the community asserting there is a problem. It is documenting the issues, which was adequately accomplished with the HMMH Report "San Francisco International Airport Ground Based Noise Modeling Study" dated January 19, 2021. The Report focused on start-of-takeoff roll operations at SFO, particularly on Runways 1L and 1R, but also on Runways 28L and 28R. While there are more ground-based noise sources at the Airport, the CNEL contours and the Report focus on aircraft operations.

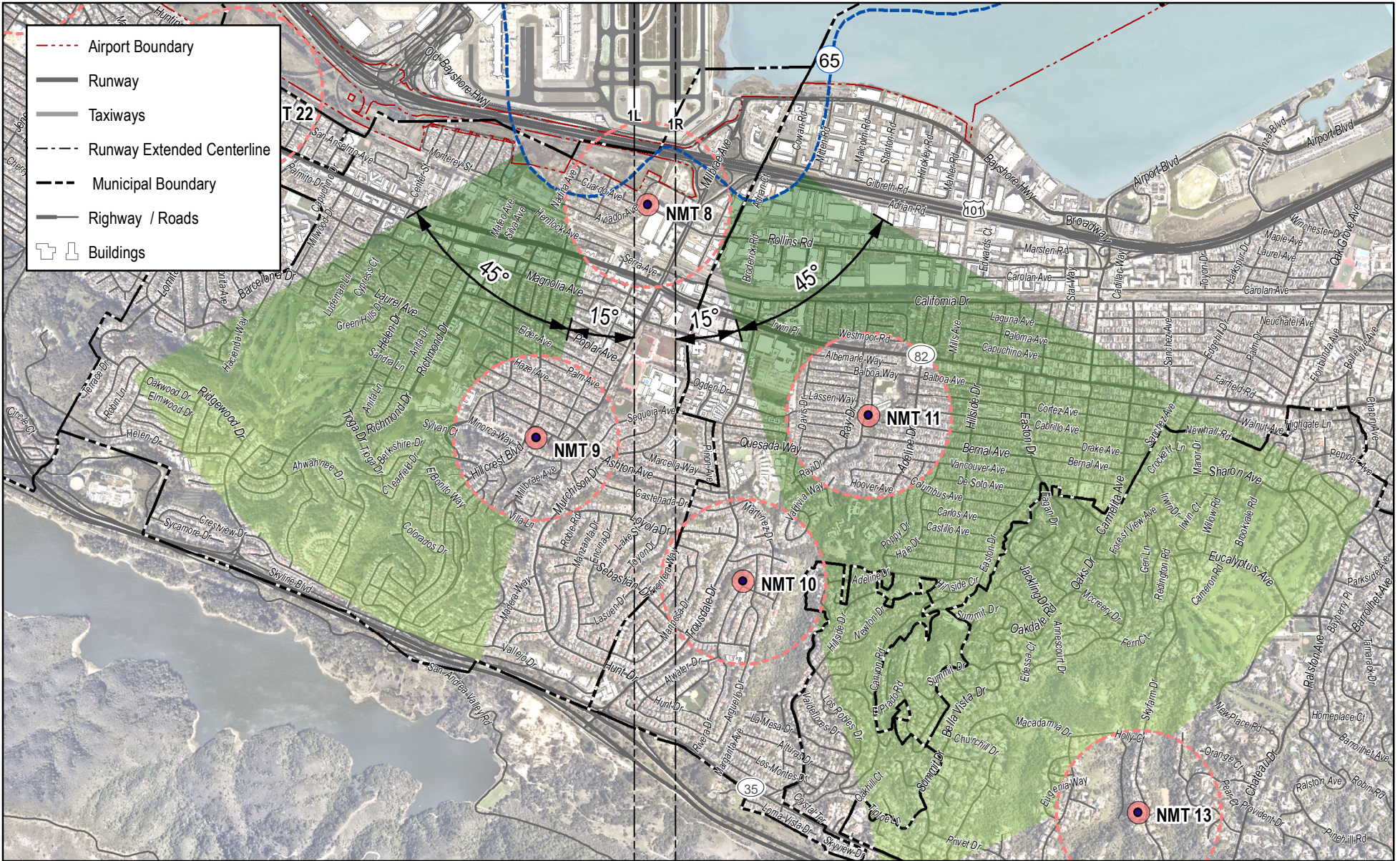
The next step in defining the problem is to acquire data to support the claims that the communities adjacent to SFO (e.g., San Bruno, Millbrae, Hillsborough and Burlingame) are not represented by the CNEL contours because they leave out low-frequency noise content from the aircraft ground operations. To do this we suggest a robust noise measurement program consisting of the increased functionality of the SFO fixed noise monitors to measure A- and C-weighted noise levels and the same functionality using the SFO portable noise monitors to compare results of A- and C-weighted noise levels in areas adjacent to SFO (communities of concern with noise from ground-based aircraft operations) to those areas within the current CNEL 65 dB contours as provided in the quarterly noise reports prepared by SFO and submitted to the State by San Mateo County.

Note that C-weighted noise levels include more low frequency noise than A-weighted noise levels. The difference of the two weightings is often used to determine whether low frequency dominates. If the C-weighted noise level is 10 dB or greater than the A-weighted noise level, acousticians assert that the noise source is dominated by low-frequency noise.

In our opinion, this noise measurement program should be designed by the GBN Subcommittee in close coordination with the Portable Noise Monitoring Subcommittee and the SFO Aircraft Noise Abatement Office as they will be conducting the noise measurements and providing the results of the measurements to the GBN Subcommittee. To assist with the design of the noise measurement program, we have laid out the following four elements for your consideration:

1. Determine which fixed noise monitors to have SFO obtain the A- and C-weighted noise data from aircraft operations to compare results inside the CNEL contours to the results in the adjacent communities.
2. Determine the number and placement of portable noise monitors to capture the representative data from the adjacent communities – perhaps the noise propagation maps from the HMMH Report can be used to help with this task.
3. Determine the dates to conduct the noise measurements when the SFO fixed noise monitors have the increased functionality to measure and report both A- and C-weighted noise levels, the SFO portable noise monitors are available, and the runways are likely operating in a typical fashion during the day, evening and night as it is those typical operations that dictate the size and location of the CNEL contours.

4. Determine the noise data to be collected and reported by SFO to the GBN Subcommittee to understand the results, such as do the adjacent communities receive more low-frequency noise (higher, lower or the same low-frequency noise levels) than those communities inside the CNEL contours? How do the A-weighted levels compare between the same communities?



- Potential Area for Portable Noise Monitor Location
- 4th Quarter 2022 CNEL Contour
- Existing NMT Locations (Approx)
- Existing NMT 1,500' Buffer



**San Francisco International Airport**  
Ground Based Noise Study

