



June 20, 2018

TO: Roundtable Members and Interested Parties

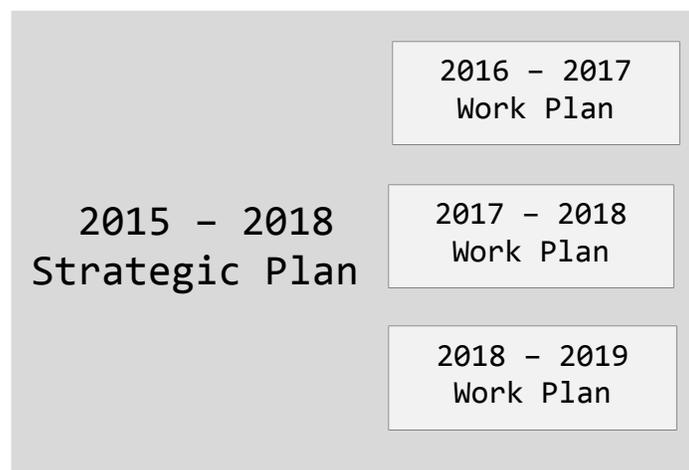
FROM: James A. Castañeda, AICP, Roundtable Coordinator

SUBJECT: Roundtable Strategic Plan and Annual Work Program

As typical during the summer months, the Roundtable's Work Program Subcommittee assembles to evaluate the Roundtable's work over the last year, review the prior year's work program, and develop a recommended work program back to the full Roundtable for its consideration and adoption. In an effort to create both a new 2018-2019 Work Plan as develop a new three-year 2019-2021 Strategic Plan, the Work Program subcommittee collaborate to present these documents to the Roundtable for consideration and adoption.

OVERVIEW

The Roundtable utilize two documents to provide guidance with their goals and objectives. The Strategic Plan is a strategic planning approach to guide the Roundtable actions over the next three years. The Work Plan, guide by the Strategic Plan, is part of how the Roundtable attempts to both works towards the goals and objectives of the Strategic Plan within a one-year planning horizon. The Work Plan will often have more specific and actionable items that are distilled from the overall Strategic Plan goals; each of the Work Program items are associated with a Strategic Plan goal.



With the Roundtable efforts in evaluating the FAA's response to the Roundtable's recommendations to the *FAA Initiative Phase 2*, both documents should incorporate items, objects and other discussions throughout the Technical Working Group meetings that have been occurring since January 2018 where applicable.

MEETING OBJECTIVES

The objective of this meeting is to review the 2015-2018 Strategic Plan (attached) and discuss how the Roundtable performed in accordance with the listed goals and objectives. Then discuss how the next three-year 2019-2021 Strategic Plan should look like using the prior Strategic Plan as a template incorporating new ideas and objectives that are reflective of the issues Roundtable is facing presently.

If time allows, the subcommittee can start discussing the Work Plan, but it's anticipated a second meeting will be required to allow for that discussion.

Attached is the Roundtable's 2016-2018 Strategic Plan and the 2017-2018 Work Program.

DRAFT
ROUNDTABLE STRATEGIC PLAN

November 1, 2015 – December 31, 2018

Presented to and adopted by the Roundtable on October 7, 2015

ORGANIZATION OF THIS STRATEGIC PLAN

This Strategic Plan is organized as follows:

- Introduction
- Background/History
- Opportunistic Strategy
- Guiding Principles
- Mission Statement
- Goals, Action Items, Resources, and Desired Results
- Strategic Plan Amendment Process
- Appendices: Roundtable Bylaws and Memorandum of Understanding

INTRODUCTION

In 2010, the Roundtable adopted its first Strategic Plan to better serve its membership and provide long-term goals and vision. As a part of its ongoing mission to serve the residents living in the Roundtable communities (County of San Mateo and the City and County of San Francisco) affected by noise from aircraft operating to and from SFO, the Roundtable embarked on a strategic planning process in early 2010 with a goal of developing a Strategic Plan that would guide the Roundtable actions over the next three years. The Roundtable appointed a Strategic Planning Subcommittee to carry out the strategic planning process and to bring a recommended Strategic Plan back to the full Roundtable for its consideration and adoption.

This Strategic Plan represents the work product of the Subcommittee and is the Strategic Plan that was approved by the full Roundtable at its December 2, 2015 Regular Roundtable meeting; this strategic plan is in place today and serves as the basis for future Strategic Plan iterations. This Strategic Plan will guide the Roundtable's actions for the next three years.

Recognizing that the Roundtable needs to respond to changing conditions over time, there are provisions within the Strategic Plan that allow for its revision prior to 2018. In fact, the Strategic Plan update process will begin a year in advance of the expiration of the Plan or sooner if needed. Until that time, the Roundtable will rely on the guidance provided by the Strategic Plan to develop its annual Work Program, prioritize its activities, and guide its efforts to work with SFO, the Federal Aviation Administration, and the airlines to respond to community concerns and to minimize the impact of aircraft noise on Roundtable member communities.

BACKGROUND/HISTORY

The Airport/Community Roundtable was established in 1981 as a voluntary committee of elected officials to address community noise impacts from aircraft operations at SFO. The Roundtable monitors a performance-based noise mitigation program implemented by airport staff, interprets community concerns and attempts to achieve noise mitigation

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through a cooperative sharing of authority among the aviation industry, the Federal Aviation Administration (FAA), SFO management and local government.

The authority to control aircraft in flight and on the ground is vested exclusively in the FAA. The FAA, however, cannot control the number of flights or the time of day aircraft operate. Federal law preempts any local government agency from implementing any action that is intended to control the routes of aircraft in flight. Neither the Roundtable, local elected officials nor airport management can control the routes of aircraft in flight or on the ground.

OPPORTUNISTIC STRATEGY

The Roundtable has adopted a three-year strategic plan that incorporates an “Opportunistic Strategy”. This strategy operates on the principle that the Roundtable will use positive, constructive methods to advance its goals and mission.

Under this strategy, the Roundtable will continue to receive reports on its various programs such as the Fly Quiet Program; receive updates on regional aviation planning activities; and determine and present the annual Fly Quiet Program Awards.

The Roundtable will also take advantage of opportunities to respond to proposed federal or state legislative actions related to aircraft noise or land use compatibility. This level of activity may include actively tracking and responding to proposed aircraft noise legislation by writing letters in support of or against proposed legislation. This strategy will also include the active promotion of aircraft noise reduction technologies or compatible land use planning initiatives by participating in research vehicles such as the Airport Cooperative Research Program (ACRP) or providing written support of technology programs designed to reduce aircraft noise. Under this approach, the Roundtable may prepare and submit project statements and/or participate in a relevant ACRP project panel.¹

This strategy allows the Roundtable to continue with its historical monitoring of SFO’s noise abatement programs, while responding to aircraft noise and land use compatibility legislation on an ad hoc basis, which gives the Roundtable a greater voice in these matters. In addition, actively supporting technology programs designed to reduce aircraft noise and ACRP’s research efforts will benefit future generations living in Roundtable communities.

GUIDING PRINCIPLES

The following guiding principles define the manner in which the Roundtable will conduct business over the next three-year period:

¹ ACRP Panel members provide technical guidance, review work product, and approve guidance documents for release to the public.

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1. The Roundtable is the preeminent forum for addressing and resolving community concerns related to noise from aircraft operating to and from San Francisco International Airport.
2. The Roundtable fosters and enhances cooperation between the San Francisco International Airport, noise-impacted communities, the federal government, and the airlines with the purpose of developing, evaluating, and implementing reasonable and feasible policies, procedures, and mitigation actions that will further reduce aircraft noise exposure in neighborhoods and communities in San Francisco and San Mateo Counties.
3. The Roundtable members, as a group, when considering and taking actions to mitigate noise, will not knowingly or deliberately support, encourage, or adopt actions, rules, regulations or policies, that result in the “shifting” of aircraft noise from one community to another, when related to aircraft operations at San Francisco International Airport.

MISSION STATEMENT

The Roundtable’s mission is to continue to address and resolve community concerns related to SFO aircraft noise, to monitor aircraft operations and conduct airline outreach, to monitor SFO’s aircraft noise abatement programs, to respond to and support aircraft noise related legislation and programs, and to support research that reduces aircraft noise exposure and promotes compatible land use planning for those communities within the members’ jurisdictions.

GOALS, ACTION ITEMS, RESOURCES, AND DESIRED RESULTS

The following goals are listed in priority order, but may be adjusted as needed over time to reflect the community’s needs:

Goal No. 1 – Aircraft Procedures: The Roundtable will focus on aircraft arrival and departure procedures. The focus includes multiple facets: monitor adherence to existing procedures (standard and noise abatement); work with SFO Airport Noise Abatement Office (SFO ANAO) to monitor and develop noise abatement procedures; and work with FAA and airlines to advance the goal of noise reduction.

Action item: The Roundtable will monitor aircraft adherence to procedures and provide support to the SFO ANAO for outreach to airlines and FAA.

Resources: No additional resources beyond Roundtable Staff time required.

Desired results: The ongoing utilization of noise abatement procedures and when able, development of noise abatement procedures.

Goal No. 2 – Airline Outreach: The Roundtable will conduct airline outreach and education regarding SFO's aircraft noise abatement program through the Fly Quiet Program and other avenues as needed.

Action item: The Roundtable will continue to communicate positively with the airlines regarding the noise sensitive issues in and around the community.

Resources: No additional resources beyond Roundtable Staff time required.

Desired results: Improved airline awareness to aircraft noise issues in the Roundtable communities.

Goal No. 3 – Support Aircraft Noise Reduction Legislation and Research: The Roundtable will support appropriate aircraft noise reduction legislation and research.

Action item: The Roundtable will actively review, monitor, and support, when appropriate, research, legislation, and aircraft noise reduction programs.

Resources: No additional resources beyond Roundtable Staff time required.

Desired results: Continued reduction aircraft noise levels.

Goal No. 4 – Address Community Concerns: The Roundtable will remain the forum for addressing community concerns regarding noise from aircraft operating to and from SFO affecting its membership. The Roundtable will remain focused on its membership, including the cities within San Mateo County, San Mateo County, and the City and County of San Francisco. While the Roundtable operates to serve those within its membership, it continues to be sensitive and inclusive of noise concerns from operations at SFO beyond its members to the bay area region.

Action item: The Roundtable will continue to actively respond to community concerns regarding aircraft noise issues and provide education opportunities for the bay area and Roundtable membership to learn about airport operations, aircraft noise, and air traffic procedures.

Resources: No additional resources beyond Roundtable Staff time required and budget items for special reports, studies, or professional services.

Desired results: An informed regional community and Roundtable membership regarding aircraft noise issues at SFO.

STRATEGIC PLAN AMENDMENT PROCESS

This Strategic Plan is a long-term plan that is intended to guide the Roundtable over a three-year period. Among other things, the Strategic Plan shall be used to guide the development of the Roundtable's annual Work Program. The Work Program can be tailored to respond to short-term needs, while remaining responsive the Roundtable's long-term goals.

There may be circumstances, however, during which conditions change to a point that require an update of the Strategic Plan. In those instances, the Strategic Planning Subcommittee shall be convened to discuss the required changes to Strategic Plan and, when appropriate, shall make recommendations to the full Roundtable regarding the required updates to the Strategic Plan. If the full Roundtable adopts the Subcommittee's recommendations, the Strategic Plan will be amended to reflect those recommendations.

The foregoing notwithstanding, the Strategic Plan shall be updated no less than every three years. The strategic planning process shall commence no less than one year prior to the expiration plan. The Strategic Planning Subcommittee shall be convened to conduct the strategic planning process and present a recommended Strategic Plan to the full Roundtable for consideration and adoption.



ROUNDTABLE ANNUAL WORK PLAN

July 1, 2017 through June 30, 2018

Approved and adopted by the Roundtable on August 2, 2017

Organization of the Work Program

The Work Program is organized as follows. Each of the items includes: item description, background, present to Roundtable, staff assigned, Strategic Plan goal and budget allocated.

- Administrative Items
- Legislative Items
- Research Items
- Aircraft Operations/Airspace

Introduction

The Work Program is part of the Roundtable's overall approach to planning efforts; it is guided by the Roundtable's Strategic Plan. The Strategic Plan has a three-year planning horizon and the Work Program has a one-year planning horizon. The Work Program items are distilled from the overall Strategic Plan goals; each of the Work Program items are associated with a Strategic Plan goal.

While the Work Program is a one-year document, many items will be rolled over through multiple planning cycles. This is due to the longer-term nature of some items, including standing updates and future technologies. These longer-term items remain on the Work Program in order for the Roundtable to maintain their understanding of the issue. The Roundtable appointed a Work Program Subcommittee to carry out the work program planning process and to bring a recommended Work Program back to the full Roundtable for its consideration and adoption.

ADMINISTRATIVE ITEMS

AI-1. Roundtable Website Maintenance

Item Description: Maintain the Roundtable website¹ and update with new information as required for the public.

- Maintain existing website.
- Include historical information as required.
- Upload agendas, agenda packets, and subcommittee meeting information.
- Maintain and continue to populate informational section containing Noise 101 presentations and noise metric videos.
- Maintain list of other Roundtable group information (include links)
- Residential Sound Insulation Program FAQ
- Create and maintain a dedicated resource page for Federal Aviation Administration (FAA) Initiative documents and progress/status reports.

Background: The Roundtable updated its website as a Work Program item in 2013–2014 and it was presented to the Roundtable at its September 2013 meeting.

This is a maintenance item. Roundtable staff and consultant staff will update the website per-meeting with the agenda and agenda packet, upload subcommittee agendas, and update the website with appropriate documents, links, and tweets.

Present to Roundtable: As new information is uploaded.

¹ <http://sforoundtable.org/>

Staff Assigned: Roundtable.

Strategic Goal: 4 – Address Community Concerns.

Budget Allocated: None; updates will utilize existing staff resources where possible, or additional funding to be allocated if necessary to be reviewed/approved by the Roundtable.

AI-2. Fly Quiet Reporting and Evaluation

Item Description: Continue receiving updates to the Airport's Fly Quiet Program, and investigate/discuss effectiveness of current program.

Background: The Roundtable and Airport launched the Fly Quiet Program in 2001. The Fly Quiet Program is a quarterly report of airline performance in specific categories. The Roundtable typically holds the Fly Quiet awards between February and June meeting each year, inviting the overall winner and category winners to the Roundtable meeting for an official presentation of the awards. The awards presented are: Chairman's Award, Fly Quiet Award, and Most Improved. It is recommended the February meeting be held at the Airport's Museum to present the awards to airlines receiving them to celebrate their accomplishments. In an effort to keep the program effective, periodic discussions of the current successes and potential improvements is encouraged.

Present to Roundtable: This item is anticipated to be presented to the Roundtable at meetings immediately following the closing of each reporting quarter, including information on fleet mix trends at the Airport. Program status, progress, and effectiveness can be discussed either during the report presentations, and/or assigned to the Operations and Efficiencies subcommittee or an Ad-Hoc subcommittee to collaborate with the Airport's Aircraft Noise Abatement staff.

Staff Assigned: Airport Aircraft Noise Abatement, Roundtable Operations and Efficiencies Subcommittee, Roundtable Ad-Hoc Subcommittee.

Strategic Goal: 2 – Airline Outreach.

Budget Allocated: Budget expenditure to include refreshments and the existing budget for awards.

AI-3. Airport Updates

Item Description: Continue receiving updates from the Airport Director or other staff at the Airport on significant airport happenings, traffic levels, operations, and other data from the preceding months.

Background: The Airport provides information germane to the Roundtable and noise issues at each meeting. The briefing is typically provided by the Airport Director.

Present to Roundtable: This item is anticipated to be presented to the Roundtable at each meeting.

Staff Assigned: Airport.

Strategic Goal: 4 – Address Community Concerns.

Budget Allocated: None.

AI-4. Outreach to Regional Roundtables/Noise Forums

Item Description: Continue dialogue with other noise forums within Northern California (include Oakland International Airport (OAK) Community Noise Management Forum², Mineta San Jose International Airport (SJC), Sacramento International Airport (SMF),) to share information and best practices, discuss issues relating to the Bay Area, Northern California, and national airport noise issues. When opportunities exist, explore the potential of joint meetings.

Background: The Roundtable has a history of maintaining interaction with fellow airport-sponsored noise organizations in the Bay Area. This has led to joint letters to the FAA and other organizations regarding noise mitigation issues, joint trips to Northern California TRACON, and understanding how all of the regional airports interact with regards to airspace and noise mitigation. Santa Clara County does not currently have a sanctioned group focused on aircraft noise issues, however there are studies being commissioned by municipalities in Santa Clara County regarding SFO-related aircraft operations. In the past, Mineta San Jose International Airport (SJC) had a noise forum that met on a quarterly basis; the noise forum stopped meeting and all noise-related issues are now heard at its Airport Commission meetings.

Present to Roundtable: This item is anticipated to be presented to the Roundtable following interactions with regional groups.

Staff Assigned: Roundtable leadership and staff.

Strategic Goal: 3 – Support Aircraft Noise Reduction Legislation and Research.

Budget Allocated: None.

² <http://flyquietoak.com/pages/noise-forum/noise-forum.html>

AI-5. Develop Relationships with State and National Roundtables/Noise Forums

Item Description: Maintain contact with other roundtables/noise forums via correspondence relating to Roundtable issues on a state and national level.

Background: The Roundtable has a history of maintaining interaction with national and regional airport-sponsored noise organizations through sharing correspondence relating to current noise issues including pending legislation, funding allocation, or new technology.

Present to Roundtable: This item is anticipated to be in the correspondence section of the Roundtable packets as required.

Staff Assigned: Roundtable.

Strategic Goal: 3 – Support Aircraft Noise Reduction Legislation and Research.

Budget Allocated: None.

AI-6. Send Roundtable Member(s) to Roundtables/Noise Forums or Technical Conferences

Item Description: Maintain knowledge base of the Roundtable and its members by sending members to technical conferences or other roundtables/noise forums.

Background: The Roundtable has a history of maintaining a strong knowledge base of aircraft noise theory that is communicated to the membership. This has been done through conducting Noise 101 sessions, sending Roundtable members to Northern California TRACON, and to technical conferences.

Present to Roundtable: Post-conference attendance updates

Staff Assigned: Roundtable.

Strategic Goal: 4 – Address Community Concerns.

Budget Allocated: Anticipated budget of \$2,000/member to attend the AAAE/ACI-NA Airport Noise Conference typically held in the fall, or the UC Davis Aviation Noise and Air Quality Symposium in the spring. Local meeting attendance not anticipated to have a budgetary impact.

AI-7. Send Roundtable Coordinator to LAX Community Noise Roundtable³ and/or SAN Airport Noise Advisory Committee⁴ Meetings

Item Description: Continue to correspond and maintain understanding of the Los Angeles International Airport (LAX) Community Noise Roundtable and San Diego International Airport (SAN) Airport Noise Advisory Committee structure and issues by making a yearly site visit.

Background: The Roundtable keeps in contact with other airport noise organizations, including the Los Angeles International Airport (LAX) Community Noise Roundtable and San Diego International Airport (SAN) Airport Noise Advisory Committee. In the past, the Roundtable has sent the Coordinator to a meeting to observe their practices and exchange information with their staff.

Staff Assigned: Roundtable.

Strategic Goal: 4 – Address Community Concerns.

Budget Allocated: Anticipated budget of \$1,000 for the Roundtable Coordinator.

AI-9. Communications and Educational Strategies for Accessibility

Item Description: The Roundtable will explore and develop intuitive and easy to understand communication tools to discuss and deliver aviation noise studies, reports and relevant information to the public. Through the use of the Roundtable's website, include resources such as a Frequently Asked Questions (FAQ) page, links to other resources and research available online (such as Noise Quest⁵, FAA, and other aircraft noise related webpages).

Background: Roundtable members, representing their respective constituents, are often faced with the challenge of communicating complex technical issues that relate to noise impacts many of them experience in their communities. The Roundtable endeavors to provide those who participate with clear and understandable information on technical issues the Roundtable discusses in an effort to better inform the public and allow for more effective engagement.

Staff Assigned: Roundtable staff, Roundtable Operations and Efficiencies Subcommittee.

Strategic Goal: 3 – Support Aircraft Noise Reduction Legislation and Research.

Budget Allocation: None; updates will utilize existing staff resources where possible, or additional funding to be allocated if necessary to be reviewed/approved by the Roundtable.

³ <http://www.lawa.org/LAXNoiseRoundTable.aspx>

⁴ <http://www.san.org/Airport-Noise/Initiatives>

⁵ <http://www.noisequest.psu.edu/>

LEGISLATIVE ITEMS

LI-1. Ongoing Research of Federal, State, and International Noise Legislation

Item Description: The Roundtable will continue its research of federal, state, and international proposed noise legislation to aid in the proactive engagement on such issues to determine any implications on operation and issues at the Airport and associated noise affects.

Background: The Roundtable monitors legislative issues on state, federal, and international levels through its Legislative Subcommittee. In order to be as effective as possible, up-to-date resources are necessary to be informed and effective in their role. Currently, this is partly done through a subscription to the Airport Noise Report (ANR) as well as monitoring legislation through the Federal Register and other list services. In addition, the Roundtable monitors noise regulations suggested by the Committee on Aviation Environmental Protection (CAEP) and International Civil Aviation Organization (ICAO) as voluntary or mandatory. ICAO is an organization that recommends best practices and adopts standards for the aviation industry, including noise as it relates to aircraft operations. This research could result in correspondence from the Roundtable to the legislative sponsor regarding any positive or negative impact of the legislation.

Present to Roundtable: This item will be reviewed by the Roundtable as required.

Staff Assigned: Roundtable.

Strategic Goal: 3 – Support Aircraft Noise Reduction Legislation and Research.

Budget Allocated: The yearly subscription to ANR is \$850. Other expenses for resources that would assist in monitoring and research legislative issues will be explored by the Legislative Subcommittee and additional funding to be allocated will be reviewed/approved by the Roundtable.

LI-2. Opportunities for Proactive Participation in Legislative and Regulatory Advocacy

Item Description: Maintain understanding of regional and national aircraft noise issues and engage in proactive legislative and regulatory advocacy to further Roundtable objectives and goals for aircraft noise mitigation. Explore the potential of joining/partnering with local, regional, and national as well as grassroots groups to support legislation and research related to quieter aircraft, procedures, and technology. Groups such as the National Organization to Insure a Sound Controlled Environment (N.O.I.S.E.), California League of Cities, and Airports Council International (ACI) are potential organizations to consider, but additional research and outreach will also be considered.

Background: The Roundtable, as well as the County of San Mateo, has historically been involved with N.O.I.S.E.. The Roundtable in its endeavors to proactively pursue legislative solutions can investigate opportunities to participate and collaborate with N.O.I.S.E. and the League of Cities to make presentations regarding aircraft noise issues. Through the Legislative Subcommittee, the Roundtable can further investigate the benefits of membership and participation with these groups, as well as other groups and organizations.

Present to Roundtable: As required and as legislative information is available.

Staff Assigned: Roundtable.

Strategic Goal: 3 – Support Aircraft Noise Reduction Legislation and Research.

Budget Allocated: Proposed allocations will be presented to the Roundtable for approval once a recommendation has been presented by the Legislative Subcommittee as to which group is best suited to aid the Roundtable's legislative objectives.

LI-3. Pursue Potential Legislative Solutions

Item Description: Work with elected representatives to support/sponsor legislative solutions mitigate aircraft noise impact.

Background: The Roundtable often faces challenges in developing solutions as a result of current and potentially outdated regulations that create constraints in exploring meaningful noise mitigation. The Airport Noise and Capacity Act of 1990 (ANCA), which does not allow SFO to impose flight curfews, is often cited in discussions regarding potential legislative updates. The Legislative Subcommittee, will explore the possibility of updating, amending or replacing ANCA and will also discuss other legislative updates including newer equipment requirements utilized internationally.

Present to Roundtable: As required and as legislative information is available.

Staff Assigned: Legislative Subcommittee

Strategic Goal: 3 – Support Aircraft Noise Reduction Legislation and Research.

Budget Allocated: None.

RESEARCH ITEMS

RI-1. Guest Speakers

Item Description: The Roundtable will continue its efforts to have guest speakers invited to Roundtable meetings to present information regarding a topic of interest to the Roundtable.

Background: In an effort to keep current on trends in noise and airports, the Roundtable has invited guest speakers to present on occasion when opportunity and time allows. It is the goal of the Roundtable to continue inviting speakers to the meetings in an effort to increase the membership and public's understanding of current issues. The Roundtable staff and Airport staff will recommend speakers, and the Roundtable members are also encouraged to request experts in a specific topic to speak.

Present to Roundtable: This item will be reviewed by the Roundtable as required.

Staff Assigned: Roundtable.

Strategic Goal: 3 – Support Aircraft Noise Reduction Legislation and Research.

Budget Allocated: None.

RI-2. Ground Based Aircraft Noise Effects

Item Description: Determine the cause, impacts, and potential long term solutions to backblast noise, auxiliary power unit (APU) noise and other aircraft associated low frequency noise.

Background: Backblast, auxiliary power unit (APU), and other low frequency aircraft noise impact those communities in direct proximity to the Airport. This is an ongoing issue for communities such as Millbrae, Burlingame, and San Bruno. The Roundtable should investigate any possible solution that may exist at present or discuss potential innovations that mitigate these noise impacts.

Present to Roundtable: This item will be reviewed by the Roundtable as required.

Staff Assigned: Roundtable and Technical Consultant in conjunction with Airport Aircraft Noise Abatement.

Strategic Goal: 1 – Aircraft Procedures.

Budget Allocated: Budget to be determined if additional studies need to be conducted beyond capabilities of the Airport's Aircraft Noise Abatement staff.

RI-3. Use of Supplemental Noise Metrics to Evaluate Noise Outside of the 65 CNEL

Item Description: The Roundtable will research the feasibility of using supplemental noise metrics outside of the 65 dB CNEL to determine the impact of aircraft operations.

Background: The 65 dB CNEL is the federally and state accepted metric to determine impacts from aircraft noise as well as eligibility for sound insulation programs. As aircraft become quieter, the 65 dB CNEL noise contour becomes smaller in size, reducing the “affected areas” as defined by federal and state standards. As a response to this, airports have studied utilizing supplemental metrics, which show noise levels at various locations in the community utilizing metrics including LMax, SEL, Leq, TA, NA, etc.

Present to Roundtable: This item will be reviewed by the Roundtable as required.

Staff Assigned: Roundtable.

Strategic Goal: 3 – Support Aircraft Noise Reduction Legislation and Research.

Budget Allocated: None.

RI-4. Airport Cooperative Research Program (ACRP) Participation and Review of Published Research Reports

Item Description: The Roundtable has the option to become involved with the Airport Cooperative Research Program (ACRP) in three ways: 1) submit a problem statement to the ACRP for an item to study in depth; 2) submit applications to serve on an ACRP panel; or 3) support research statements to carry forward. Once relevant research reports have been published by ACRP, the Roundtable should review and discuss.

Background: ACRP is a subset of the Transportation Research Board (TRB) that studies issues relating to airport operations, including noise abatement. Each year ACRP solicits problem statements relating to a global issue that affect airports throughout the country. ACRP chooses the problem statements to then turn into research projects. Each research project is comprised of a panel of experts and a consultant that completes the research document under the guidance of the expert panel.

In addition to ACRP soliciting for proposals, expert panel members are also required each year. If there are research projects that are applicable to community noise groups or noise mitigation, members of the Roundtable are encouraged to apply to these expert panels. The expert panels meet 2-3 times per project in Washington, D.C.

Present to Roundtable: ACRP problem statements are solicited in the spring and applications to serve on an ACRP panel open up in the fall.

Staff Assigned: Roundtable.

Strategic Goal: 3 – Support Aircraft Noise Reduction Legislation and Research.

Budget Allocated: No extra budget effort; travel expenses are reimbursed by ACRP.

RI-5. Receive Updates of the Residential Sound Insulation Program

Item Description: The Roundtable will receive updates on the status of the residential sound insulation program at the Airport on a biannual basis to include items such as: number of residences within the currently approved Noise Exposure Map (NEM) that are not insulated; number of residences that declined participation in the program; and estimated number of residences currently being insulated. This information will be added on the Roundtable's website under the FAQ section.

Background: The Roundtable has received updates from the Airport over the course of the residential sound insulation program. The program's focus is to find and inform eligible homeowners that their residence can receive sound insulation treatments if they meet a two-step eligibility process. The first step is to determine if the residence is within the 65 dB CNEL noise contour of the latest NEM. The second step is to determine if the residences' interior noise level is at or above 45 dB CNEL. The Airport latest NEM was approved on January 29, 2016.

Present to Roundtable: This item will be reviewed by the Roundtable as required.

Staff Assigned: Roundtable, Airport.

Strategic Goal: 4 – Address Community Concerns.

Budget Allocated: No extra budget effort for Roundtable staff.

RI-6. Receive Updates of the Unmanned Aerial System in the National Airspace System

Item Description: The Roundtable's technical consultant will monitor legislation and research related to Unmanned Aerial Systems (UAS) within the National Airspace System (NAS) that is controlled by the Federal Aviation Administration and where applicable, by local legislation. The Roundtable will receive updates on a biannual basis.

Background: UAS are any unmanned aerial vehicle, drone, or system that is flown remotely by a pilot or via an onboard computer system. Rules and regulations for UAS operations are in its infancy. This program item will monitor uses of UAS and FAA regulations regarding their use and noise abatement regulations.

Present to Roundtable: This item will be reviewed by the Roundtable as required.

Staff Assigned: Roundtable and Technical Consultant.

Strategic Goal: 4 – Address Community Concerns.

Budget Allocated: No extra budget effort for Roundtable staff.

RI-7. Research Expanded Membership Beyond Current Membership Area

Item Description: Investigate the expansion of the Roundtable membership to include other communities affected by SFO noise issues. The analysis will focus on the opportunities and challenges associated with an expanded membership.

Background: In order to address the regional impacts associated with the implementation of NextGen, the Roundtable may consider allowing additional members from cities outside of the current membership cities to participate on the Roundtable. The current membership on the Roundtable is defined by the Memorandum of Understanding Agreement.

Present to the Roundtable: As needed when discussions occur.

Staff Assigned: Roundtable Operations and Efficiencies Subcommittee.

Strategic Goal: 4 – Address Community Concerns.

Budget Allocated: None.

RI-8. Research Aircraft Noise as a Health Issue

Item Description: Identify national and international research updates on the health effects related to aircraft noise. Further identify research gaps and encourage research in these areas.

Background: There is well-documented detrimental effects of noise on the health of the members of affected communities. Documented in peer-reviewed scientific journals, noise adversely and seriously affects blood pressure, cardiovascular and other health issues in adults and children.

Present to the Roundtable: As needed when discussions occur.

Staff Assigned: Roundtable.

Strategic Goal: 4 – Address Community Concerns.

Budget Allocated: None

AIRCRAFT OPERATIONS/AIRSPACE

AO-1. Northern California Metroplex Project and the FAA Initiative

Item Description: The Roundtable will aggressively pursue status updates and take a more proactive approach to the implementation and modification of any flight procedures in the Northern California Metroplex Project or the 29 adjustments in the FAA Initiative specific to the Airport.

Background: The Northern California Metroplex is the update of the airspace in the Bay Area. Federal regulations required the FAA to complete an Environmental Assessment (EA) for the project, determining any environmental impacts to the project study area. The EA was released in March 2014 and the Record of Decision on the EA was published in July 2014. All Metroplex procedures related to SFO operations are operational at this time.

The FAA Initiative document was released in November 2014 and contained 29 adjustments that were under the purview of the Roundtable; of this total, 13 were deemed by the FAA as “Feasible” while 16 were deemed by the FAA as “Not Feasible.” The Roundtable released a detailed documented response to the FAA Initiative on November 17, 2016.

Present to Roundtable: This item will be reviewed by the Roundtable as required and updates to the Roundtable will be from Roundtable staff or the FAA.

Staff Assigned: Roundtable and Technical Consultant.

Strategic Goal: 1 – Aircraft Procedures.

Budget Allocated: None.

AO-2. Woodside Optimized Profile Descents

Item Description: The Roundtable will receive briefings on the Woodside Optimized Profile Descents (OPD).

Background: The Airport currently publishes the weekly Woodside VOR report on its website. This report shows the number of aircraft that flew over the Woodside VOR between the hours of 10:30 p.m. – 6:30 a.m. This Work Program item would require the Airport to provide a report on aircraft that utilized the OPD approach between these hours.

Present to Roundtable: This item will be reviewed by the Roundtable as required.

Staff Assigned: Roundtable.

Strategic Goal: 1 – Aircraft Procedures.

Budget Allocated: None.

AO-3. SSTIK and PORTE Departures

Item Description: The Roundtable will continue to monitor operations on the SSTIK and PORTE departures.

Background: As part of the Metroplex, the SSTIK departure procedure replaced the PORTE departure for all aircraft equipped to fly Area Navigation (RNAV) procedures. Both departures fly over portions of the City of Brisbane. In 2012-2013, the Roundtable resumed its work with Northern California TRACON, the Airport tower, airlines, and Airport Aircraft Noise Abatement staff to determine why the number of aircraft flying over southern portions of Brisbane increased. This Work Program item will continue to monitor this issue and initiate outreach to stakeholders that can assist with mitigation.

Present to Roundtable: This item will be reviewed by the Roundtable as required.

Staff Assigned: Roundtable.

Strategic Goal: 1 – Aircraft Procedures.

Budget Allocated: None.

AO-4. Visit Northern California TRACON

Item Description: The Roundtable membership will visit the Northern California TRACON facility in Mather, California.

Background: Northern California TRACON is a radar approach facility that controls aircraft movements in the bay area and other portions of Northern California and Nevada. Northern California TRACON is a key stakeholder for the Roundtable and has historically worked with the Roundtable to implement noise abatement procedures when traffic allows. This site visit will provide members of the Roundtable with an understanding of how Northern California TRACON operates and watch aircraft movements in real time.

Present to Roundtable: Schedule a trip in the future; present a trip report to the Roundtable following the trip.

Staff Assigned: Roundtable.

Strategic Goal: 4 – Address Community Concerns.

Budget Allocated: The Roundtable's contribution on previous joint trips with the Oakland International Airport (OAK) Noise Forum has been approximately \$550, which included transportation and meals for up to 10-12 Roundtable members. For the 2018 trip, the Roundtable's contribution would be approximately \$1,000 for transportation and meals as the primary coordinator of the trip.

AO-5. Aircraft Use of Satellite Procedures

Item Description: Monitor additional uses of satellite-based procedures to enhance operations as they are applicable to the Airport.

Background: As referenced in Work Program Item AO-1, the airspace related to operations at the Airport was part of the Metroplex airspace project. This project identified numerous RNAV procedures to enhance existing arrival and departure procedures. This Work Program item will further define procedures to help noise abatement efforts at the Airport, including Required Navigation Performance (RNP). This item would be collaborative with the Airport's Aircraft Noise Abatement office and at least one airline to assist with procedure enhancements. This item has moved from information to research/action.

Present to Roundtable: As required.

Staff Assigned: Roundtable.

Strategic Goal: 1 – Aircraft Procedures.

Budget Allocated: None.

AO-6. Airbus A320 Aircraft Vortex Generator

Item Description: Work with the Airport's Aircraft Noise Abatement office to equip carriers that use the Airbus A320/319 family of aircraft with vortex generators for the underwing fuel vent.

Background: Research has shown that Airbus A320 aircraft have a fuel vent on the underside of each wing. At certain altitudes and speeds, air coming in contact with these vents results in a wind vortex that emits a high-pitched whine noise. This is typically heard 20-30 miles away from an airport on arrival. The Airport's Aircraft Noise Abatement office has researched the solution and determined that a fix would cost approximately \$3,000.00, which includes labor and parts to install. The Roundtable will work with the Airport's Aircraft Noise Abatement office to advance this effort.

Present to Roundtable: As required.

Staff Assigned: Roundtable.

Strategic Goal: 2 – Airline Outreach.

Budget Allocated: No extra budget effort for Roundtable staff.

AO-7. Nighttime Procedures Plan

Item Description: The Roundtable will continue to discuss it's nighttime procedures plan with FAA representatives in an effort to refine the nighttime recommendations and plan as needed.

Background: The Roundtable has compiled a comprehensive Nighttime Procedures Plan which includes recommendations for new and revised flight procedures, filing for alternative flight paths and requests to the professional air traffic controllers to use their best efforts to manage traffic with a goal of 100% of all nighttime flights departing and arriving over water such as the Pacific Ocean and Bay.

Present to Roundtable: This item will be reviewed by the Roundtable as required and updates to the Roundtable will be from Roundtable staff or the FAA.

Staff Assigned: Roundtable.

Strategic Goal: 1 – Aircraft Procedures.

Budget Allocated: None.