



*May 3, 2001- Public Meeting #2
Reid Hillview Part 150 Noise Study*

<i>Speaker</i>	<i>Subject</i>	<i>Time Started</i>	<i>Time Elapsed</i>
Steve Alverson	Evening's Presentation to focus on Noise Terminology, Noise Measurements, Aircraft Noise Contours	7:10	
Introductions	Interpreters: Marco Buitrago (Spanish) and Linda Tsoi (Vietnamese). Jerry Bennett and other county staff members. Consulting team (Gene Reindel, Eli Gillespie and 3D Visions staff.		
Steve Alverson	<p>Noise Terminology</p> <p>Sound is measured, not noise. Noise is unwanted sound. Sound is measured in decibels. Measures are Sound Exposure Level (SEL), Day-Night Average Sound Level (DNL), and Community Noise Equivalent Levels (CNEL). These measure differences in sound pressure detected by the human ear. Measurements are in decibels (dB).</p> <p>Normal speaking voice registers 65 db at 3 feet. Threshold of pain is 130-140 dB. Increases in noise are not arithmetic nor proportional.</p> <p>Sounds are weighted.</p> <p>SELs are determined by a logarithmic formula.</p> <p>Day-Night Average sounds weight nighttime flight operations.</p> <p>Land Use compatibility 65db is incompatible with residences, schools, hospitals, nursing homes</p> <p>Community Noise Equivalent Levels (CNELS) describe a noise dose during a 24-hour period, account for number of noise events and their noisiness. They are also weighted 3X in the evening and 10X at night.</p>		

Steve Alverson	Other noises in community contribute to noise exposure.																
Steve Alverson	Standards: <table border="0"> <thead> <tr> <th><u>DNL, dB</u></th> <th><u>Qualitative Description</u></th> </tr> </thead> <tbody> <tr> <td>~ 46 – 51</td> <td>Quiet Suburban</td> </tr> <tr> <td>~ 52 – 57</td> <td>Suburban</td> </tr> <tr> <td>~ 58 – 63</td> <td>Urban</td> </tr> <tr> <td>~ 64 – 69</td> <td>Noisy Urban</td> </tr> <tr> <td>~ 70 – 75</td> <td>Very Noisy Urban</td> </tr> <tr> <td>~ 76 – 81</td> <td>Downtown City Noise</td> </tr> </tbody> </table>	<u>DNL, dB</u>	<u>Qualitative Description</u>	~ 46 – 51	Quiet Suburban	~ 52 – 57	Suburban	~ 58 – 63	Urban	~ 64 – 69	Noisy Urban	~ 70 – 75	Very Noisy Urban	~ 76 – 81	Downtown City Noise		
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Steve Alverson	<i>Sound (Noise) Measurement</i> Site specific, for specific time period, historical record. Measurements may be short-term or long-term. Impact of noise on children and learning an dsleep disturbance is being studied by others. At RHV, more complaints come from outside of the 65 db noise contour, rather than from locations within the contour.																
Gene Reindel	<i>Noise Measurements at Reid Hillview</i> Monitored by by equipment October 27 to 31, 1999 for three consecutive 24-hour periods. There were three primary (airport) sites with continuous measurement and five secondary sites for shorter time periods. Both SELs and CNELs were measured. Five tables and several maps were displayed. Tables included Noise Metrics per Primary Site (summary and by time of day), secondary (off-airport) by site & time of day and summary ratings. Cumulative ratings were shown and contours were mapped.																
Q&A	<i>Questions and Answers</i>																
Jim Nelson	Complained about notification, lack of sufficient notice. Disputed split of traffic between left and right runways, clalims 60% on left runway. Noise data is old, from October 1999. Helicopters take 3 minutes to depart. Estimates that there are 100 helicopter flights/day. Questioned why there were no monitors placed in the Bella neighborhood to the west of the airport.																
Steve Alverson	There was door-t–door delivery of more than 9,000 notices. Changes in operations can be added into the noise model.																
Gene Reindel	FAA role in average number of helicopter flights/day.																

Q&A	Continued		
JerryGurzell	There have been several peaceful protests of operations. He is agree and believes that Site 2 was not representative of the airport. Most weekends planes fly over his roof near the Capitol Expressway. Site 4 is too far north. Challeges the number of flights on Sunday counted in the record (Halloween). Wants one peaceful day on weekends. His wife has difficulty sleeping.		
Gene Reindel	In selecting sites 2 and 4, they tried to select locations under the flight path.		
Michael Martinez	Jim Nelson told him about the meeting. Some pilots are "hot dogs" and the tower is unresponsive.		
Herbert Kiesler	Bi-planes are noisy. A newer plane sound like a mosquito on landing.		
Patricia Martinez-Roach	Concerned about impacts at Cunningham and Ocala: the impact on schools. There has been strong effort to improve airport efficiency. Concerned about nighttime landings, sometimes these occur at midnight . Wants to know significance of stury for residents. What are the standards for mitigation?		
Steve Alverson	Mitigation is required for the 65 CNEL contour. Mitigation in the 60 dB contour is a possibility. Possible mitigation measures include increasing sound insulation in homes. This is a long term process. The next meeting should focus on mitigation.		
Helen Johnson	Lives next to Overfelt Hih School. Helicopters use the airport every day. She volunteered her back yard for further monitoring.		
Bud Beacham	Appreciated data. Measurements were taken at his home. Stated that noise is unnatural, disagreed with conclusions. 67% of pilot operations are for pilot training, where pilots are circling the airport. Wants to close the airport.		
James Wright	When volunterring outside, he can't use his phone while helicopters are departing. Does SEL mean that something is being sold? Students are being disrupted while studying, this impacts their thought process.		
Owen DeLong	Is a pilot and resident (lives near Capitol Expressway and 101). He has made complaints to the tower. The right runway is most frequently used. The jets from San Jose International are		

	louder than RHV traffic. The high performance aircraft should be asked to reduce their RPMs. Could the raw data from the monitors be posted on the web site in XML format, rather than pdf?		
Jerry Bennett	The left runway is used as activity increases. When asked about most common helicopter pad use, he replied that helicopters tended to use the left (west) side.		
John Blair	He is a pilot. Expressed some concerns about the flight tracks regarding right turns on departures. Departures to the south aren't accounted for. The west side is down wind, more data needed from the west side and school at its northeast. He told members of the community that many rules for pilots are voluntary, and compliance requires changes in pilot behavior. Regarding the County's studies, he recommends moving the runways south 300 feet to less impact on neighborhoods.		
Steve Alverson	Discussions of the fleet mix would be included in the EIR. The 55 dbBontour would reflect a bend to the right.		
Leslie Waters	Regarding the mathematics of the model, more data would create a better model. Wants more monitoring locations. He has complained about pilanes to tower, and tower personnel have challenged his description of the planes.		
Steve Alverson	The FAA sets the guidelines for the model. There are some local modifications to modeling. Regarding the complaint reporting system, a possible mitigation would be a hotline to a noise office.		
Bob Lutens			
Ted Johnson	Asked whether monitors record plane altitude and directs. Many planes fly too close to the ground. He found his meeting notice on the ground, in his driveway, near the sidewalk.		
Steve Alverson	Altitude is measured +/- 100', distance +/- 300'		
	<i>Additional comments and followup questions</i>		
John Blair	Sundays are an important day for measurements.		
Bud Beacham	Could consultants modify data presentation based on length of day?		
Steve Alverson	We summarize LEQs by hour. These show a snapshot of operations.		

Jerry Gurzell	Noise is a Quality of Life issue. Their lives have been interrupted by having their windows or doors open. Concerned about training over church at intersection of White and Clayton roads. Sound insulation will not provide sufficient mitigation. His house was built in 1991 to current standards., yet noise penetrates.		
Jerry Bennett	Concluded meeting. The third meeting will address mitigation more specifically.		

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