ROSEMARY A. VASSILIADIS
Director

MEMORANDUM

DEPARTMENT OF AVIATION

Digitally signed by George C. Sims

TO: DISTRIBUTION

FROM: GEORGE C. SIMS, PLANNER AND ANTHONY PERKINS, MANAGEMENT ANALYST

SUBJECT: OCTOBER, NOVEMBER, DECEMBER AND ANNUAL 2022

NOISE COMPLAINT AND LAND USE REVIEW REPORTS

DATE: FEBRUARY 9, 2023

Attached for your review are the Clark County Department of Aviation's (CCDOA) Monthly Noise Complaint Reports for October, November, and December 2022. Also included is the 2022 Annual Noise Complaint Report, covering the period of January through December 2022. Please note the following Clark County airport abbreviations: Harry Reid International Airport (LAS), North Las Vegas Airport (VGT), and Henderson Executive Airport (HND).

The following reports describe noise complaints and operational data regarding helicopter and fixed-wing aircraft operations at LAS, VGT, and HND. Aircraft noise complaints are received through either the CCDOA's Noise Hotline (702-261-3694), the Noise Office (702-261-5600), or calls forwarded from LAS's toll free number (1-800-261-5704). Nellis Air Force Base noise complaints are forwarded to the Nellis Public Affairs Office (702-652-2750), and noise complaints regarding aircraft operations from the Boulder City Airport Coordinator (702-293-9405). Individuals who express concerns regarding aircraft operations originating from private facilities (i.e., Valley Hospital or the private helipad located near Las Vegas Blvd. and Larson Lane are asked to contact the individual property owner directly.

Exhibit 1 of each Monthly Noise Complaint Report illustrates the number of calls received by community as well as the number of individual callers or households. **Exhibit 2** illustrates the primary nature of the disturbance as identified by the caller. The second page of each monthly report (**Exhibit 3**) graphically illustrates all known origins of the calls received that month. **Exhibits 4 and 5** summarize arrival and departure runway use for large and non-large air carrier aircraft. Arrival and departure corridor use for helicopters are summarized in **Exhibit 6**. Totals for helicopter operations along the Strip include tour operations originating from other airport facilities. **Exhibit 7** provides a complete arrival fleet mix of all aircraft landing at LAS and highlights the two noisier aircraft types, the Boeing 727 series and Boeing 737-100 and 737-200 series. **Exhibit 8** illustrates the general departure direction for large aircraft.

Exhibit 9 summarizes how well large aircraft and helicopters adhered to the preferred, non-regulated departure corridors. Adherence to preferred departure corridors is voluntary, and neither Clark County nor the State of Nevada regulates aircraft in flight. The FAA, through the discretion of Congress, has sole authority over the safe and efficient utilization of the nation's navigable airspace. Therefore, local and state authorities cannot legally enforce the use of these corridors, or impose penalties to pilots who opt not to comply with preferred procedures. "Compliance gates" are located along historical/fly-quietly routes. If all aircraft flew with advanced navigational technologies and operated under Required Navigational Precision (RNP) procedures, then it could be expected that up to 95% of all aircraft would be within 0.3 nautical miles (NM) of a fly-over point. Therefore, 0.3 NM is the threshold for compliance for large air carrier aircraft. The compliance threshold for helicopters is 500 feet.

Exhibit 10 provides the total number of land use applications reviewed and the percentage of applications receiving a CCDOA comment. **Exhibit 11** breaks down the number of commented applications by airport concern. **Exhibit 12** provides the number of residential dwelling units per commented application. **Exhibit 13** gives the number of applications in which CCDOA recommends denial, as well as applications opposed in person

Airport Noise Report February 9, 2023 Page 2 of 52

at Commission and/or Council hearings. **Exhibit 14** displays the extent of the Airport Environs Overlay District (AEOD) for LAS, VGT, and HND. **Exhibit 15** depicts where noise-related comments were issued for applications around LAS. **Exhibit 16** depicts where noise-related comments were issued for applications around HND. Finally, **Exhibit 17** depicts where noise-related comments were issued for applications around VGT.

The Annual Noise Complaint Report includes additional information not provided in each monthly report. These additional illustrations (Exhibits 18 through 22) are helpful in assessing seasonal trends, comparisons of noise issues between various CCDOA facilities, noise complaint patterns between communities, long-term runway use trends, and long-term compliance determinations with the preferred departure corridors. **Exhibit 18** of the annual report illustrates the number of calls and callers by month, between 2020 and 2022. **Exhibit 19** illustrates the general time when the complaint was received by the CCDOA. Monthly calls by airport or helicopter operation are depicted on **Exhibit 20**. **Exhibit 21** depicts monthly calls by community. The final annual report, **Exhibit 22**, summarizes monthly calls by specific LAS operation.

The following provides a synopsis of each monthly noise complaint report and additional noise-related issues addressed during the reporting period. Please refer to each noise complaint report for more detailed information.

Monthly Noise Complaint Summaries

October 2022: 132 total complaints - a 6% decrease from 2021 and a 633% increase from 2020. On average, each caller (or household) issued 3.1 calls. The most calls received from one household totaled 32.

Calls by Community - (Exhibits 1 and 3)

Majority (more than 50%): The *Enterprise* community issued 101 calls (76%). This community is typically impacted by aircraft departing to the south (from Runway 19L and Runway 19R).

Minority (between 10% and 50%): (Not applicable.)

Repeat Caller Impact: One household issued 24% (32 calls) of all the calls received in October 2022.

Calls by Operation - (Exhibit 2)

LAS: 96% of the total calls were due to **LAS** fixed-wing operations.

 71% were due to departures to the south from Runways 19L and 19R (67% from two households).

VGT: 1% of the total calls were due to **VGT** fixed-wing operations.

HND: 2% of the total calls were due to *HND* fixed-wing operations.

Helis: 1% of the total calls were due to *helicopter* operations.

LAS Operations & Runway Use by Large Air Carriers - (Exhibit 4)

Overall: 564 daily *departures* – a 20% increase from 2021 and 87% increase from 2020.

■ 66% of departures were to the west, 29% north, 4% south, and 1% east. 558 daily *arrivals* – a 20% increase from 2021 and 86% increase from 2020.

• 83% of arrivals were from the east, 12% south, and 5% north.

Daytime: 446 daily *departures* – a 19% increase from 2021 and 66% increase from 2020.

• 63% of departures were to the west, 31% north, 5% south, and 1% east. 471 daily *arrivals* – a 19% increase from 2021 and 68% increase from 2020.

• 83% of arrivals were from the east, 12% south, and 5% north.

Nighttime: 118 daily departures – a 24% increase from 2021 and 272% increase from 2020.

77% of departures were to the west, 21% north, and 2% south.

87 daily arrivals – a 28% increase from 2021 and a 331% increase from 2020.

• 86% of arrivals were from the east, 8% south, and 5% north.

Daytime vs. Nighttime: Approximately 79% of all *departures* and 84% of all *arrivals* occurred during the daytime hours.

LAS Operations & Runway Use by Non-Large Air Carriers - (Exhibit 5)

Overall: 145 daily *departures* – an 11% decrease from 2021 and a 74% increase from 2020.

■ 58% of departures were to the south, 34% north, 7% west, and 1% east. 140 daily *arrivals* – a 12% decrease from 2021 and a 69% increase from 2020.

• 46% of arrivals were from the north, 34% east, 19% south, and 1% west.

Daytime: 136 daily *departures* – a 10% decrease from 2021 and 85% increase from 2020.

■ 57% of departures were to the south, 35% north, 6% west, and 1% east. 133 daily *arrivals* – an 11% decrease from 2021 and a 74% increase from 2020.

• 45% of arrivals were from the north, 35% east, 19% south, and 1% west.

Nighttime: 10 daily departures – a 27% decrease from 2021 and 4% decrease from 2020.

■ 74% of departures were to the south, 18% north, and 7% west. 6 daily *arrivals* – a 25% decrease from 2021 and a 2% increase from 2020.

• 64% of arrivals were from the north, 21% east, and 15% south.

Daytime vs. Nighttime: Approximately 94% of all *departures* and 96% of all *arrivals* occurred during the daytime hours.

Operations by Corridor for Helicopter Tours - (Exhibit 6)

Tropicana: 67 daily *departures* – a 73% increase from 2021 and a 342% increase from 2020.

Charleston: 66 daily *arrivals* – a 79% increase from 2021 and a 357% increase from 2020.

Strip: 85 daily touch and go's - a 22% decrease from 2021 and a 69% increase from 2020.

Daytime vs. Nighttime: Approximately 93% of all helicopter tour operations occurred during the daytime hours.

LAS Fleet Mix for All Aircraft Types - (Exhibit 7)

Heavies: Very large air carrier turbine-driven aircraft (those weighing 300,000 lbs. or more)

accounted for 2% of the daily traffic.

Large: Large air carrier turbine-driven aircraft (those weighing more than 75,000 lbs. and less than

300,000 lbs.) accounted for 64% of the daily traffic.

Medium: *Medium* turbine-driven aircraft (those weighing more than 41,000 lbs. and less than 75,000

lbs.) accounted for 4% of the daily traffic.

Small: Small turbine-driven aircraft (those weighing 41,000 lbs. or less) accounted for 9% of the

daily traffic.

Military: **Military** turbine-driven aircraft accounted for 0% of the daily traffic.

Non-Jet: *Piston-driven* aircraft and unassigned aircraft types accounted for 3% of the daily traffic.

Helos: Touring helicopters accounted for 18% of the daily traffic.

Noisier Aircraft Types: The hush-kitted Boeing 727 aircraft and Boeing 737 (100 & 200 series) aircraft accounted for less than one operation per day.

LAS General Departure Direction for Large Aircraft - (Exhibit 8)

Primary: In 2022, 66% departed to the *west* (from LAS's primary departure runways). This figure

was 48% in 2021 and 64% in 2020.

Secondary: In 2022, 4% departed to the **south** (from LAS's secondary departure runways). This figure

was 3% in 2021 and 6% in 2020.

Alternate 1: In 2022, 29% departed to the *north* (from LAS's alternate departure runways). This figure

was 45% in 2021 and 28% in 2020.

Alternate 2: In 2022, 1% departed to the *east* (from LAS's alternate departure runways). This figure was

4% in 2021 and 2% in 2020.

Gate Compliance for Large Aircraft and Helicopters - (Exhibit 9)

SVHS:

In 2022, 98% of the large air carrier aircraft (excluding those destined to the Nevada National Security Site) that departed to the west from Runways 26L or 26R and made a left-hand turn were within 0.3 NM of *Sierra Vista High School* (SVHS). This figure was 97% in 2021 and 98% in 2020.

The SVHS "compliance gate" is located southwest of Warm Springs Rd. and Buffalo Dr., approximately 5 miles due west and 1.5 miles due south of the extended runway centerline of Runways 26L and 26R. This gate was established along an existing noise abatement flight track which requests pilots to proceed runway heading to 3 nautical miles from the Las Vegas very-high frequency omnidirectional range tactical air navigation (VORTAC) facility before turning left (or towards the south) - where large air carrier aircraft have historically been encouraged to operate. This noise abatement flight track avoids communitiesimpacted by aircraft turning early along this corridor (like the Nevada Trails community) and aircraft turning late along this corridor (like the Rhodes Ranch community).

Peace:

In 2022, 98% of the large air carrier aircraft (excluding those destined to the Nevada National Security Site) that departed to the west from Runways 26L or 26R and made a right-hand turn were within 0.3 NM of the intersection of *Peace Way & Summers Shade Street*. This figure was 99% in 2021 and 99% in 2020.

The Peace "compliance gate" is located northeast of Tropicana Ave. and I-215, approximately 6 miles due west and 2 miles due north of the extended runway centerline of Runways 26L and 26R. This gate was also established along an existing noise abatement flight track which requests pilots to proceed runway heading to 4 nautical miles from the Las Vegas VORTAC before turning right (or towards the north) - where large air carrier aircraft have historically been encouraged to operate. This noise abatement flight track avoids communities impacted by aircraft turning early along this corridor (like the Spanish Trail community) and aircraft turning late along this corridor (like the Summerlin South community).

Pebble:

In 2022, 100% of the large air carrier aircraft (excluding those destined to the Nevada National Security Site) that departed to the south from Runways 19L or 19R were within 0.3 NM of the intersection of *Pebble Road & Arville Street*. This figure was 99% in 2021 and 96% in 2020.

The Pebble "compliance gate" is located southeast of Blue Diamond Rd. and Decatur Blvd., approximately 4 miles due south by southwest of the extended runway centerline of Runways 19L and 19R. This gate was also established along an existing noise abatement flight track which requests pilots to proceed runway heading to 3 nautical miles from the Las Vegas VORTAC before turning - where large air carrier aircraft have historically been encouraged to operate. This noise abatement flight track avoids communities impacted by aircraft turning early along this corridor (like the Warm Springs Estates community) and aircraft turning late along this corridor (like the Southern Highlands community).

UNLV:

In 2022, 95% of the large air carrier aircraft that departed to the north from Runways 01L or 01R were within 0.3 NM of the *UNLV sports complex*. This figure was 96% in 2021 and 93% in 2020.

The UNLV "compliance gate" is located southeast of Flamingo Rd. and Paradise Rd., approximately 1 mile due north by northeast of the extended runway centerline of Runways 01L and 01R. This gate was also established along an existing noise abatement flight track which requests pilots to proceed runway heading to 2 nautical miles from the Las Vegas VORTAC before turning - where large air carrier aircraft have historically been encouraged to operate. This noise abatement flight track avoids communities impacted by aircraft turning early along this corridor, located due east and due west of UNLV.

Boulder:

In 2022, 100% of the large air carrier aircraft that departed to the north from Runways 08L or 08R were within 0.3 NM of the extended runway centerline, near *Boulder Highway*. This figure was 99% in 2021 and 99% in 2020.

The Boulder Hwy. "compliance gate" is located southeast of Russell Rd. and I-93/95, approximately 7 miles due east of the extended runway centerline of Runways 08L and 08R. This gate was also established along an existing noise abatement flight track which requests pilots to proceed runway heading to 7 nautical miles from the Las Vegas VORTAC before turning - where large air carrier aircraft have historically been encouraged to operate. This noise abatement flight track avoids communities impacted by aircraft turning early along this corridor (like the Green Valley community, located in the City of Henderson, and older neighborhoods located north of Patrick Ln.).

Eastern:

In 2022, 98% of the touring helicopters destined east of the Las Vegas Valley were within 500 feet of the intersection of *Tropicana Avenue & Eastern Avenue*. This figure was 99% in 2021 and 99% in 2020.

The Eastern Ave. "compliance gate" is located at Tropicana Ave. and Eastern Ave, approximately 2 miles due west of their initial departure route. This gate was also established along an existing noise abatement flight track which requests helicopter pilots to proceed along the centerline of Tropicana Ave. until 10 nautical miles from the Las Vegas VORTAC before turning. This noise abatement flight track avoids communities impacted by helicopters located north and south of the corridor.

Hollywood:

In 2022, 99% of the touring helicopters returning from areas east of the Las Vegas Valley were within 500 feet of the intersection of *Charleston Boulevard & Hollywood Boulevard*. This figure was 99% in 2021 and 99% in 2020.

The Hollywood Blvd. "compliance gate" is located at Charleston Blvd. and Los Feliz St., where their initial arrival route begins over the urbanized area of the Las Vegas Valley. This gate was also established along an existing noise abatement flight track which requests helicopter pilots to proceed along the centerline of Charleston Blvd. This noise abatement flight track avoids communities impacted by helicopters located north and south of the corridor.

Airport Noise Report February 9, 2023 Page 7 of 52

Stratosphere:

In 2022, 99% of the north-bound helicopters providing tours of the Las Vegas Strip were within 500 feet of the intersection of Oakey Boulevard & Las Vegas Boulevard, *northeast of the Stratosphere Tower*. This figure was 100% in 2021 and 99% in 2020.

The Stratosphere Tower "compliance gate" is located northeast of Sahara Avenue and Las Vegas Blvd., where an important turn in their fly-quietly routing structure begins near a historic portion of the urbanized area of the Las Vegas Valley.

Land Use Application Reviews & Comments – (Exhibit 10)

Clark County: 89 applications were reviewed (a 36% decrease from 2021), with 7 applications (8%) issued at least one comment.

Henderson: 9 applications were reviewed (an 81% decrease from 2021), with 0 applications (0%) issued at least one comment.

Las Vegas: 45 applications were reviewed (a 29% increase from 2021), with 0 applications (0%) issued at least one comment.

North Las Vegas: 8 applications were reviewed (a 0% change from 2021), with 1 application (13%) issued at least one comment.

Land Use Application Comments by Airport Concern – (Exhibit 11)

*Noise comments mapped in Exhibits 15, 16, 17

Clark County: 10 comments were issued, with 4 comments issued for "noise" concerns.

Henderson: 0 comments issued.

Las Vegas: 0 comments issued.

North Las Vegas: 1 comment was issued, with the 1 comment issued for "noise" concerns.

Dwelling Units per "Noise," Commented Application – (Exhibit 12)

Clark County: 4 dwelling units were proposed in the commented applications, within the AEOD. 250 dwelling units proposed in the commented applications, just outside the AEOD.

Henderson: 0 comments were issued.

Las Vegas: 0 comments were issued.

North Las Vegas: 78 dwelling units were proposed in the commented applications, just outside the AEOD.

Land Use Applications Denied and/or Opposed – (Exhibit 13)

None

The information denoted in this monthly summary represents **typical** residential complaints, flight activity, fleet mix, and gate compliance.

Airport Noise Report February 9, 2023 Page 8 of 52

November 2022: 49 total complaints - a 21% decrease from 2021 and an 88% increase from 2020. On average, each caller (or household) issued 3.3 calls. The most calls received from one household totaled 20.

Calls by Community - (Exhibits 1 and 3)

Majority (more than 50%): The *Enterprise* community issued 33 calls (67%). (See October 2022 synopsis of typical aircraft overflight impacts on this community.)

Minority (between 10% and 50%):

The *City of Henderson* community issued 9 calls (19%). This community is typically impacted by aircraft departing to the east (from Runway 08L and Runway 08R).

Repeat Caller Impact: One household issued 41% (20 calls) of all the calls received in November 2022.

Calls by Operation - (Exhibit 2)

LAS: 88% of the total calls received were due to **LAS** fixed-wing operations.

 63% were due to departures to the south from Runways 19L and 19R. (65% from one household).

VGT: 6% of the total calls received were due to **VGT** fixed-wing operations.

HND: 0% of the total calls received were due to *HND* fixed-wing operations.

Helis: 6% of the total calls received were due to *helicopter* operations.

LAS Operations & Runway Use by Large Air Carriers - (Exhibit 4)

Overall: 520 daily *departures* – a 16% increase from 2021 and a 62% increase from 2020.

■ 70% of departures were to the west, 18% north, 6% east, and 5% south. 509 daily *arrivals* – a 16% increase from 2021 and 60% increase from 2020.

82% of arrivals were from the east, 13% south, and 4% north.

Daytime: 404 daily *departures* – a 13% increase from 2021 and a 47% increase from 2020.

• 65% of departures were to the west, 20% north, 8% east, and 6% south. 424 daily *arrivals* – a 12% increase from 2021 and a 44% increase from 2020.

81% of arrivals were from the east, 15% south, and 4% north.

Nighttime: 116 daily departures – a 27% increase from 2021 and a 146% increase from 2020.

■ 88% of departures were to the west, 11% north, and 1% south.

86 daily *arrivals* – a 39% increase from 2021 and a 235% increase from 2020.

• 91% of arrivals were from the east, 6% north, and 4% south.

Daytime vs. Nighttime: Approximately 78% of all *departures* and 83% of all *arrivals* occurred during the daytime hours.

LAS Operations & Runway Use by Non-Large Air Carriers - (Exhibit 5)

Overall: 130 daily *departures* – a 12% decrease from 2021 and a 58% increase from 2020.

• 62% of departures were to the south, 22% north, 8% east, and 7% west. 126 daily *arrivals* – a 13% decrease from 2021 and 64% increase from 2020.

• 53% of arrivals were from the north, 25% east, and 22% south.

Daytime: 122 daily *departures* – an 11% decrease from 2021 and a 67% increase from 2020.

• 61% of departures were to the south, 23% north, 9% east, and 7% west. 121 daily *arrivals* – a 12% decrease from 2021 and a 68% increase from 2020.

• 52% of arrivals were from the north, 25% east, and 22% south.

Nighttime: 9 daily departures – a 24% decrease from 2021 and a 12% decrease from 2020.

■ 81% of departures were to the south, 13% north, and 5% west. 5 daily *arrivals* – a 27% decrease from 2021 and an 8% increase from 2020.

• 69% of arrivals were from the north, 16% south, 14% east, and 1% west.

Daytime vs. Nighttime: Approximately 93% of all *departures* and 96% of all *arrivals* occurred during the daytime hours.

Operations by Corridor for Helicopter Tours - (Exhibit 6)

Tropicana: 57 daily *departures* - a 13% increase from 2021 and 207% increase from 2020.

Charleston: 55 daily *arrivals* – a 14% increase from 2021 and 198% increase from 2020.

Strip: 74 daily *touch and go's* – a 22% decrease from 2021 and a 20% increase from 2020.

Daytime vs. Nighttime: Approximately 98% of all helicopter tour operations occurred during the daytime hours.

LAS Fleet Mix for All Aircraft Types - (Exhibit 7)

Heavies: Very large air carrier turbine-driven aircraft (those weighing 300,000 lbs. or more)

accounted for 2% of the daily traffic.

Large: Large air carrier turbine-driven aircraft (those weighing more than 75,000 lbs. and less than

300,000 lbs.) accounted for 65% of the daily traffic.

Medium: *Medium* turbine-driven aircraft (those weighing more than 41,000 lbs. and less than 75,000

lbs.) accounted for 4% of the daily traffic.

Small: Small turbine-driven aircraft (those weighing 41,000 lbs. or less) accounted for 9% of the

daily traffic.

Military: *Military* turbine-driven aircraft accounted for 0% of the daily traffic.

Non-Jet: *Piston-driven* aircraft and unassigned aircraft types accounted for 4% of the daily traffic.

Helos: Touring helicopters accounted for 17% of the daily traffic.

Noisier Aircraft Types: The hush-kitted Boeing 727 aircraft and Boeing 737 (100 & 200 series) aircraft accounted for zero operations per day.

LAS General Departure Direction for Large Aircraft - (Exhibit 8)

Primary: In 2022, 70% departed to the *west* (from LAS's primary departure runways). This figure

was 37% in 2021 and 63% in 2020.

Secondary: In 2022, 5% departed to the south (from LAS's secondary departure runways). This figure

was 2% in 2021 and 7% in 2020.

Alternate 1: In 2022, 18% departed to the *north* (from LAS's alternate departure runways). This figure

was 60% in 2021 and 30% in 2020.

Alternate 2: In 2022, 6% departed to the east (from LAS's alternate departure runways). This figure was

2% in 2021 and <1% in 2020.

Gate Compliance for Large Aircraft and Helicopters - (Exhibit 9)

SVHS: In 2022, 97% of the large air carrier aircraft (excluding those destined to the Nevada Test

Site) that departed to the west from Runways 26L or 26R and made a left-hand turn were within 0.3 NM of *Sierra Vista High School* (SVHS). This figure was 97% in 2021 and 98%

in 2020. (See October 2022 synopsis for specific location of the SVHS gate.)

Peace: In 2022, 99% of the large air carrier aircraft (excluding those destined to the Nevada Test

Site) that departed to the west from Runways 26L or 26R and made a right-hand turn were within 0.3 NM of the intersection of *Peace Way & Summers Shade Street*. This figure was 99% in 2021 and 100% in 2020. (See October 2022 synopsis for specific location of the

Peace gate.)

Pebble: In 2022, 100% of the large air carrier aircraft (excluding those destined to the Nevada Test

Site) that departed to the south from Runways 19L or 19R were within 0.3 NM of the intersection of *Pebble Road & Arville Street*. This figure was 98% in 2021 and 97% in

2020. (See October 2022 synopsis for specific location of the Pebble gate.)

UNLV: In 2022, 87% of the large air carrier aircraft that departed to the north from Runways 01L or

01R were within 0.3 NM of the UNLV sports complex. This figure was 96% in 2021 and

92% in 2020. (See October 2022 synopsis for specific location of the UNLV gate.)

Boulder: In 2022, 99% of the large air carrier aircraft that departed to the north from Runways 08L or

08R were within 0.3 NM of the extended runway centerline, near *Boulder Highway*. This figure was 100% in 2021 and 92% in 2020. (See October 2022 synopsis for specific location

of the Boulder Hwy. gate.)

Eastern: In 2022, 99% of the touring helicopters destined east of the Las Vegas Valley were within

500 feet of the intersection of *Tropicana Avenue & Eastern Avenue*. This figure was 99%

in 2021 and 100% in 2020. (See October 2022 synopsis for specific location of the Eastern

gate.)

Airport Noise Report February 9, 2023 Page 11 of 52

Hollywood: In 2022, 94% of the touring helicopters returning from areas east of the Las Vegas Valley

were within 500 feet of the intersection of *Charleston Boulevard & Hollywood Boulevard*. This figure was 99% in 2021 and 100% in 2020. (See October 2022 synopsis for specific

location of the Hollywood gate.)

Stratosphere: In 2022, 99% of the north-bound helicopters providing tours of the Las Vegas Strip were

within 500 feet of the intersection of Oakey Boulevard & Las Vegas Boulevard, *northeast* of the Stratosphere Tower. This figure was 100% in 2021 and 99% in 2020. (See October

2022 synopsis for specific location of the Stratosphere gate.)

<u>Land Use Application Reviews & Comments – (Exhibit 10)</u>

Clark County: 74 applications were reviewed (a 31% decrease from 2021), with 8 applications (11%) issued at least one comment.

Henderson: 69 applications were reviewed (an 30% increase from 2021), with 8 applications (12%) issued at least one comment.

Las Vegas: 40 applications were reviewed (a 30% decrease from 2021), with 1 application (3%) issued at least one comment.

North Las Vegas: 16 applications were reviewed (a 78% increase from 2021), with 5 applications (31%) issued at least one comment.

Land Use Application Comments by Airport Concern – (Exhibit 11)

*Noise comments mapped in Exhibits 15, 16, 17

Clark County: 8 comments were issued, with 4 comments issued for "noise" concerns.

Henderson: 9 comments were issued, with 4 comments issued for "noise" concerns.

Las Vegas: 1 comment was issued, with 0 comments issued for "noise" concerns.

North Las Vegas: 5 comments were issued, with all 5 comments issued for "noise" concerns.

<u>Dwelling Units per "Noise," Commented Application – (Exhibit 12)</u>

Clark County: 2 dwelling units proposed in the commented applications, just outside the AEOD.

Henderson: 72 dwelling units proposed in the commented applications, within the AEOD. 717 dwelling units were proposed in the commented applications, just outside the AEOD.

Las Vegas: 0 "noise" comments issued.

North Las Vegas: 159 dwelling units were proposed in the commented applications, just outside the AEOD.

<u>Land Use Applications Denied and/or Opposed – (Exhibit 13)</u>

None

Airport Noise Report February 9, 2023 Page 12 of 52

The information denoted in this monthly summary represents **typical** residential complaints, flight activity, fleet mix, and gate compliance.

December 2022: 88 total complaints – a 32% decrease from 2021 and a 214% increase from 2020. On average, each caller (or household) issued 4.0 calls. The most calls received from one household totaled 28.

Calls by Community - (Exhibits 1 and 3)

Majority (more than 50%): The *Enterprise* community issued 53 calls (60%). (See October 2022 synopsis of typical aircraft overflight impacts on this community.)

Minority (between 10% and 50%): The **Spring Valley** community issued 21 calls (24%). This community is typically impacted by aircraft departing to the west (from Runway 26R and Runway 26L). This community is also impacted by aircraft departing to the north (from Runway 01R and Runway 01L) that turn left (to the west and south).

Repeat Caller Impact: One household issued 32% (28 calls) of all the calls received in December 2022.

Calls by Operation - (Exhibit 2)

LAS: 96% of the total calls received were due to **LAS** fixed-wing operations.

- 60% were due to departures to the south from Runways 19L and 19R (53% from one household).
- 32% were due to departures to the north from Runways 01L and 01R (68% from one household).

VGT: 2% of the total calls received were due to **VGT** fixed-wing operations.

HND: 0% of the total calls received were due to *HND* fixed-wing operations (86% from one

household).

Helis: 2% of the total calls received were due to *helicopter* operations.

LAS Operations & Runway Use by Large Air Carriers - (Exhibit 4)

Overall: 491 daily *departures* – a 14% increase from 2021 and 70% increase from 2020.

■ 59% of departures were to the west, 36% north, 4% south, and 1% east. 479 daily *arrivals* – a 15% increase from 2021 and 67% increase from 2020.

• 81% of arrivals were from the east, 15% south, and 4% north.

Daytime: 386 daily *departures* – a 12% increase from 2021 and a 57% increase from 2020.

■ 52% of departures were to the west, 42% north, 5% south, and 1% east. 392 daily *arrivals* – a 10% increase from 2021 and a 48% increase from 2020.

• 79% of arrivals were from the east, 17% south, and 3% north.

Nighttime: 105 daily departures – a 21% increase from 2021 and a 140% increase from 2020.

• 86% of departures were to the west, 13% north, and 1% south.

88 daily *arrivals* – a 41% increase from 2021 and a 284% increase from 2020.

• 88% of arrivals were from the east, 7% north, and 5% north.

Daytime vs. Nighttime: Approximately 79% of all *departures* and 82% of all *arrivals* occurred during the daytime hours.

LAS Operations & Runway Use by Non-Large Air Carriers - (Exhibit 5)

Overall: 133 daily *departures* – a 1% increase from 2021 and a 97% increase from 2020.

■ 52% of departures were to the south, 40% north, 7% west, and 2% east.

129 daily *arrivals* – no change from 2021 and 101% increase from 2020.

• 37% of arrivals were from the north, 36% east, and 26% south.

Daytime: 125 daily *departures* – a 3% increase from 2021 and a 109% increase from 2020.

• 50% of departures were to the south, 42% north, 7% west, and 2% east.

123 daily *arrivals* – no change from 2021 and 104% increase from 2020.

• 37% of arrivals were from the east, 35% north, and 27% south.

Nighttime: 8 daily *departures* – a 23% decrease from 2021 and a 6% increase from 2020.

■ 82% of departures were to the south, 13% north, 4% west, and 1% east. 6 daily *arrivals* – a 13% decrease from 2021 and a 57% increase from 2020.

• 81% of arrivals were from the north, 12% east, 7% south, and 1% west.

Daytime vs. Nighttime: Approximately 94% of all *departures* and 96% of all *arrivals* occurred during the daytime hours.

Operations by Corridor for Helicopter Tours - (Exhibit 6)

Tropicana: 49 daily *departures* - a 9% increase from 2021 and a 222% increase from 2020.

Charleston: 49 daily arrivals – a 15% increase from 2021 and a 235% increase from 2020.

Strip: 60 daily touch and go's - a 30% decrease from 2021 and a 19% increase from 2020.

Daytime vs. Nighttime: Approximately 98% of all helicopter tour operations occurred during the daytime hours.

LAS Fleet Mix for All Aircraft Types - (Exhibit 7)

Heavies: Very large air carrier turbine-driven aircraft (those weighing 300,000 lbs. or more)

accounted for 2% of the daily traffic.

Large: Large air carrier turbine-driven aircraft (those weighing more than 75,000 lbs. and less than

300,000 lbs.) accounted for 64% of the daily traffic.

Medium: *Medium* turbine-driven aircraft (those weighing more than 41,000 lbs. and less than 75,000

lbs.) accounted for 4% of the daily traffic.

Small: Small turbine-driven aircraft (those weighing 41,000 lbs. or less) accounted for 10% of the

daily traffic.

Military: *Military* turbine-driven aircraft accounted for 0% of the daily traffic.

Non-Jet: *Piston-driven* aircraft and unassigned aircraft types accounted for 5% of the daily traffic.

Helos: Touring helicopters accounted for 15% of the daily traffic.

Noisier Aircraft Types: The hush-kitted Boeing 727 aircraft and Boeing 737 (100 & 200 series) aircraft accounted for zero operations per day.

LAS General Departure Direction for Large Aircraft - (Exhibit 8)

Primary: In 2022, 59% departed to the *west* (from LAS's primary departure runways). This figure

was 49% in 2021 and 54% in 2020.

Secondary: In 2022, 4% departed to the south (from LAS's secondary departure runways). This figure

was 4% in 2021 and 6% in 2020.

Alternate 1: In 2022, 36% departed to the *north* (from LAS's alternate departure runways). This figure

was 45% in 2021 and 35% in 2020.

Alternate 2: In 2022, 1% departed to the *east* (from LAS's alternate departure runways). This figure was

2% in 2021 and 5% in 2020.

Gate Compliance for Large Aircraft and Helicopters - (Exhibit 9)

SVHS: In 2022, 98% of the large air carrier aircraft (excluding those destined to the Nevada Test

Site) that departed to the west from Runways 26L or 26R and made a left-hand turn were within 0.3 NM of *Sierra Vista High School* (SVHS). This figure was 98% in 2021 and 99%

in 2020. (See October 2022 synopsis for specific location of the SVHS gate.)

Peace: In 2022, 99% of the large air carrier aircraft (excluding those destined to the Nevada Test

Site) that departed to the west from Runways 26L or 26R and made a right-hand turn were within 0.3 NM of the intersection of *Peace Way & Summers Shade Street*. This figure was 99% in 2021 and 99% in 2020. (See October 2022 synopsis for specific location of the

Peace gate.)

Pebble: In 2022, 99% of the large air carrier aircraft (excluding those destined to the Nevada Test

Site) that departed to the south from Runways 19L or 19R were within 0.3 NM of the intersection of *Pebble Road & Arville Street*. This figure was 99% in 2021 and 99% in

2020. (See October 2022 synopsis for specific location of the Pebble gate.)

UNLV: In 2022, 94% of the large air carrier aircraft that departed to the north from Runways 01L or

01R were within 0.3 NM of the *UNLV sports complex*. This figure was 95% in 2021 and

87% in 2020. (See October 2022 synopsis for specific location of the UNLV gate.)

Boulder: In 2022, 100% of the large air carrier aircraft that departed to the north from Runways 08L

or 08R were within 0.3 NM of the extended runway centerline, near *Boulder Highway*. This figure was 99% in 2021 and 100% in 2020. (See October 2022 synopsis for specific location

of the Boulder Hwy. gate.)

Eastern: In 2022, 98% of the touring helicopters destined east of the Las Vegas Valley were within

500 feet of the intersection of *Tropicana Avenue & Eastern Avenue*. This figure was 99%

in 2021 and 100% in 2020. (See October 2022 synopsis for specific location of the Eastern

gate.)

Airport Noise Report February 9, 2023 Page 15 of 52

Hollywood: In 2022, 98% of the touring helicopters returning from areas east of the Las Vegas Valley

were within 500 feet of the intersection of *Charleston Boulevard & Hollywood Boulevard*. This figure was 99% in 2021 and 100% in 2020. (See October 2022 synopsis for specific

location of the Hollywood gate.)

Stratosphere: In 2022, 99% of the north-bound helicopters providing tours of the Las Vegas Strip were

within 500 feet of the intersection of Oakey Boulevard & Las Vegas Boulevard, *northeast* of the Stratosphere Tower. This figure was 99% in 2021 and 100% in 2020. (See October

2022 synopsis for specific location of the Stratosphere gate.)

<u>Land Use Application Reviews & Comments – (Exhibit 10)</u>

Clark County: 79 applications were reviewed (a 17% decrease from 2021), with 12 applications (15%) issued at least one comment.

Henderson: 10 applications were reviewed (an 77% decrease from 2021), with 1 application (10%) issued at least one comment.

Las Vegas: 36 applications were reviewed (a 5% decrease from 2021), with 1 application (3%) issued at least one comment.

North Las Vegas: 24 applications were reviewed (a 200% increase from 2021), with 1 application (4%) issued at least one comment.

Land Use Application Comments by Airport Concern – (Exhibit 11)

*Noise comments mapped in Exhibits 15, 16, 17

Clark County: 12 comments were issued, with 9 comments issued for "noise" concerns.

Henderson: 1 comment was issued, with 0 comments issued for "noise" concerns.

Las Vegas: 1 comment was issued, with 0 comments issued for "noise" concerns.

North Las Vegas: 1 comment was issued, with 1 comment issued for "noise" concerns.

<u>Dwelling Units per "Noise," Commented Application – (Exhibit 12)</u>

Clark County: 4 dwelling units proposed in the commented applications, within the AEOD. 463 dwelling units proposed in the commented applications, just outside the AEOD.

Henderson: 0 "noise" comments issued.

Las Vegas: 0 "noise" comments issued.

North Las Vegas: 27 dwelling units were proposed in the commented applications, just outside the AEOD.

Land Use Applications Denied and/or Opposed – (Exhibit 13)

None

Airport Noise Report February 9, 2023 Page 16 of 52

The information denoted in this monthly summary represents **typical** residential complaints, flight activity, fleet mix, and gate compliance.

Annual Noise Complaint Summaries

2022: 1,266 total complaints – a 26% increase from 2021 and a 92% increase from 2020. On average, each caller (or household) issued 7.1 calls. The most calls received from one household totaled 377.

Calls by Community - (Exhibits 1 and 3)

Majority (more than 50%): The *Enterprise* community issued 1,062 calls (84%). (See October 2022 synopsis of typical aircraft overflight impacts on this community.)

Minority (between 10% and 50%): (Not applicable.)

Repeat Caller Impact: One household issued 30% (377 calls) of all the calls received in 2022.

Calls by Operation - (Exhibit 2)

LAS: 94% of the total calls received were due to **LAS** fixed-wing operations.

■ 80% were due to departures to the south from Runways 19L and 19R (77% from

three households).

VGT: 1% of the total calls received were due to **VGT** fixed-wing operations.

HND: 4% of the total calls received were due to *HND* fixed-wing operations.

Helis: 1% of the total calls received were due to *helicopter* operations.

LAS Operations & Runway Use by Large Air Carriers - (Exhibit 4)

Overall: 498 daily *departures* – a 26% increase from 2021 and a 62% increase from 2020.

• 53% of departures were to the west, 33% north, 10% east, and 4% south. 489 daily *arrivals* – a 27% increase from 2021 and 60% increase from 2020.

• 73% of arrivals were from the east, 16% south, 8% north, and 3% west.

Daytime: 389 daily *departures* – a 23% increase from 2021 and a 48% increase from 2020.

■ 49% of departures were to the west, 34% north, 12% east, and 5% south. 405 daily *arrivals* – a 23% increase from 2021 and a 47% increase from 2020.

■ 71% of arrivals were from the east, 17% south, 8% north, and 4% west.

Nighttime: 109 daily *departures* – a 41% increase from 2021 and a 150% increase from 2020.

• 68% of departures were to the west, 29% north, 2% east, and 1% south.

85 daily *arrivals* – a 50% increase from 2021 and a 188% increase from 2020.

• 81% of arrivals were from the east, 11% south, 7% north, and 1% west.

Daytime vs. Nighttime: Approximately 78% of all *departures* and 83% of all *arrivals* occurred during the daytime hours.

LAS Operations & Runway Use by Non-Large Air Carriers - (Exhibit 5)

Overall: 131 daily *departures* – an 8% increase from 2021 and a 75% increase from 2020.

• 46% of departures were to the south, 37% north, 11% east, and 6% west.

127 daily arrivals – a 9% increase from 2021 and 79% increase from 2020.

• 42% of arrivals were from the north, 27% south, 26% east, and 5% west.

Daytime: 122 daily *departures* – a 10% increase from 2021 and an 84% increase from 2020.

• 45% of departures were to the south, 38% north, 12% east, and 6% west.

121 daily arrivals – a 9% increase from 2021 and 83% increase from 2020.

• 41% of arrivals were from the north, 27% south, 26% east, and 5% west.

Nighttime: 9 daily departures – an 11% decrease from 2021 and 6% increase from 2020.

■ 59% of departures were to the south, 33% north, 7% west, and 1% east. 6 daily *arrivals* – a 7% increase from 2021 and a 24% increase from 2020.

• 55% of arrivals were from the north, 24% south, 20% east, and 2% west.

Daytime vs. Nighttime: Approximately 93% of all *departures* and 95% of all *arrivals* occurred during the daytime hours.

Operations by Corridor for Helicopter Tours - (Exhibit 6)

Tropicana: 57 daily *departures* – a 57% increase from 2021 and 218% increase from 2020.

Charleston: 56 daily arrivals - a 60% increase from 2021 and 219% increase from 2020.

Strip: 83 daily *touch and go's* - a 15% decrease from 2021 and 95% increase from 2020.

Daytime vs. Nighttime: Approximately 88% of all helicopter tour operations occurred during the daytime hours.

LAS Fleet Mix for All Aircraft Types - (Exhibit 7)

Heavies: Very large air carrier turbine-driven aircraft (those weighing 300,000 lbs. or more)

accounted for 2% of the daily traffic.

Large: Large air carrier turbine-driven aircraft (those weighing more than 75,000 lbs. and less than

300,000 lbs.) accounted for 63% of the daily traffic.

Medium: Medium turbine-driven aircraft (those weighing more than 41,000 lbs. and less than 75,000

lbs.) accounted for 4% of the daily traffic.

Small: Small turbine-driven aircraft (those weighing 41,000 lbs. or less) accounted for 9% of the

daily traffic.

Military: *Military* turbine-driven aircraft accounted for 0% of the daily traffic.

Non-Jet: *Piston-driven* aircraft and unassigned aircraft types accounted for 4% of the daily traffic.

Helos: Touring helicopters accounted for 18% of the daily traffic.

Noisier Aircraft Types: The hush-kitted Boeing 727 aircraft and Boeing 737 (100 & 200 series) aircraft accounted for less than one operation per day.

LAS General Departure Direction for Large Aircraft - (Exhibit 8)

Primary: In 2022, 53% departed to the *west* (from LAS's primary departure runways). This figure

was 55% in 2021 and 57% in 2020.

Secondary: In 2022, 4% departed to the south (from LAS's secondary departure runways). This figure

was 5% in 2021 and 6% in 2020.

Alternate 1: In 2022, 33% departed to the *north* (from LAS's alternate departure runways). This figure

was 27% in 2021 and 33% in 2020.

Alternate 2: In 2022, 10% departed to the east (from LAS's alternate departure runways). This figure

was 13% in 2021 and 5% in 2020.

Gate Compliance for Large Aircraft and Helicopters - (Exhibit 9)

SVHS: In 2022, 98% of the large air carrier aircraft (excluding those destined to the Nevada Test

Site) that departed to the west from Runways 26L or 26R and made a left-hand turn were within 0.3 NM of *Sierra Vista High School* (SVHS). This figure was 98% in 2021 and 98%

in 2020. (See October 2022 synopsis for specific location of the SVHS gate.)

Peace: In 2022, 98% of the large air carrier aircraft (excluding those destined to the Nevada Test

Site) that departed to the west from Runways 26L or 26R and made a right-hand turn were within 0.3 NM of the intersection of *Peace Way & Summers Shade Street*. This figure was 99% in 2021 and 98% in 2020. (See October 2022 synopsis for specific location of the

Peace gate.)

Pebble: In 2022, 99% of the large air carrier aircraft (excluding those destined to the Nevada Test

Site) that departed to the south from Runways 19L or 19R were within 0.3 NM of the intersection of *Pebble Road & Arville Street*. This figure was 92% in 2021 and 96% in

2020. (See October 2022 synopsis for specific location of the Pebble gate.)

UNLV: In 2022, 92% of the large air carrier aircraft that departed to the north from Runways 01L or

01R were within 0.3 NM of the UNLV sports complex. This figure was 95% in 2021 and

91% in 2020. (See October 2022 synopsis for specific location of the UNLV gate.)

Boulder: In 2022, 99% of the large air carrier aircraft that departed to the north from Runways 08L or

08R were within 0.3 NM of the extended runway centerline, near *Boulder Highway*. This figure was 93% in 2021 and 99% in 2020. (See October 2022 synopsis for specific location

of the Boulder Hwy. gate.)

Eastern: In 2022, 99% of the touring helicopters destined east of the Las Vegas Valley were within

500 feet of the intersection of *Tropicana Avenue & Eastern Avenue*. This figure was 99% in 2021 and 00% in 2020. (See October 2022 synapsis for specific location of the Eastern

in 2021 and 99% in 2020. (See October 2022 synopsis for specific location of the Eastern

gate.)

Airport Noise Report February 9, 2023 Page 19 of 52

Hollywood: In 2022, 99% of the touring helicopters returning from areas east of the Las Vegas Valley

were within 500 feet of the intersection of *Charleston Boulevard & Hollywood Boulevard*. This figure was 99% in 2021 and 99% in 2020. (See October 2022 synopsis for specific

location of the Hollywood gate.)

Stratosphere: In 2022, 99% of the north-bound helicopters providing tours of the Las Vegas Strip were

within 500 feet of the intersection of Oakey Boulevard & Las Vegas Boulevard, *northeast* of the Stratosphere Tower. This figure was 99% in 2021 and 99% in 2020. (See October

2022 synopsis for specific location of the Stratosphere gate.)

Land Use Application Reviews & Comments - (Exhibit 10)

Clark County: 1,164 applications were reviewed (an 18% decrease from 2021), with 129 applications (11%) issued at least one comment.

Henderson: 526 applications were reviewed (an 8% decrease from 2021), with 55 applications (10%) issued at least one comment.

Las Vegas: 464 applications were reviewed (a 2% decrease from 2021), with 13 applications (3%) issued at least one comment.

North Las Vegas: 187 applications were reviewed (an 11% increase from 2021), with 23 applications (12%) issued at least one comment.

Land Use Application Comments by Airport Concern – (Exhibit 11)

*Noise comments mapped in Exhibits 15, 16, 17

Clark County: 140 comments were issued, with 89 comments issued for "noise" concerns. 3 misc. comments were issued, with detailed information available in the monthly reports.

Henderson: 63 comments were issued, with 31 comments issued for "noise" concerns.

Las Vegas: 14 comments were issued, with 4 comments issued for "noise" concerns.

North Las Vegas: 23 comments were issued, with all 21 comments issued for "noise" concerns.

<u>Dwelling Units per "Noise," Commented Application – (Exhibit 12)</u>

Clark County: 794 dwelling units were proposed in the commented applications, within the AEOD. 4,719 dwelling units were proposed in the commented applications, just outside the AEOD.

Henderson: 248 dwelling units were proposed in the commented applications, within the AEOD. 4,021 dwelling units were proposed in the commented applications, just outside the AEOD.

Las Vegas: 837 dwelling units were proposed in the commented applications, just outside the AEOD.

North Las Vegas: 74 dwelling units were proposed in the commented applications, within the AEOD. 925 dwelling units were proposed in the commented applications, just outside the AEOD.

<u>Land Use Applications Denied and/or Opposed – (Exhibit 13)</u>

Clark County: 0 applications CCDOA recommended denial and/or opposed.

Henderson: 0 applications CCDOA recommended denial and/or opposed.

Las Vegas: 0 applications CCDOA recommended denial and/or opposed.

North Las Vegas: 1 application CCDOA recommended denial.

Calls by Month - (Exhibit 18)

Seasonal Trends: The majority of the calls received for 2022 occurred in March, April, May, and October (53% of the total number of complaint calls received). The vast majority of calls received were associated with departures to the south, with 77% of the calls originating from three households. The exhibit reflects the impact of the FAA's implementation of their Metroplex project, which includes the GIDGT/RATPK departure procedure. Historically, weather conditions for the Las Vegas Valley reflect the majority of departures from LAS continue to utilize Runway 26L and Runway 26R. However, whenever wind and weather conditions dictate, the FAA will utilize a variety of runway configurations to better manage traffic levels in a safe and efficient manner. Additionally, when weather conditions are temperate and residents opt to leave their windows and doors open during the spring and fall months, the number of noise complaints tends to increase.

Calls by Time of Day - (Exhibit 19)

Daytime versus Nighttime: Approximately 93% of the total calls received by the CCDOA were issued between the hours of 7 AM and 10 PM while the remaining 7% were received between the hours of 10 PM and 7 AM.

Calls by Airport/Operation - (Exhibit 20)

Airport Trends: A majority (94%) of the total calls received in 2022 were attributed to LAS operations.

Calls by Community - (Exhibit 21)

Community Trends: A majority of the total calls (84%) originated from the *Enterprise* community. Calls received from *Enterprise* were attributed to southbound departures from Runway 19L turning westbound, utilizing the GIDGT/RATPK departure procedure.

Calls by LAS Operations - (Exhibit 22)

LAS Trends: The majority (85%) of the total calls received were associated with increased departures to the south from Runways 19R and 19L turning westbound, as part of the FAA's GIDGT/RATPK departure procedure (77% from three households).

Airport Noise Report February 9, 2023 Page 21 of 52

Other Notable Issues

Harry Reid International Airport in Las Vegas to add more parking to Terminal 1: The airport announced it is beginning a project to increase the capacity and convenience of customer parking for Terminal 1. According to airport officials, this is another effort to enhance the customer experience as record volumes of passengers continue to travel through the airport and certain parking options reach capacity more frequently. Once the project is complete, more than 1,500 additional customer parking spaces will be just steps away from Terminal 1.

More records expected at Harry Reid International in 2023 with passenger increase: More passenger records are on the horizon for Harry Reid International Airport, a feat that would likely propel officials to build a reliever airport south of Las Vegas. The Las Vegas Convention and Visitors Authority's aviation consultant, Ailevon Pacific Aviation Consulting, told board members that the airport can anticipate higher traffic in 2023, after record capacity in 2022. Joel Van Over, senior director at Ailevon, said capacity in March could be close to the record capacity, around 97,000 inbound seats recorded in October 2022. The high level of capacity resulted in record passenger arrivals that month with 5.2 million passengers. It marked the first time the airport welcomed more than 5 million people in one month. Clark County Aviation Department Director Rosemary Vassiliadis, who also attended the meeting, said the challenge now is balancing the scheduling of arrivals and departures. She said the airport is working with its growing list of airlines serving the airport to "smooth out the peaks" of arrivals. "The success of all of these events that have been coming back to Las Vegas or coming to Las Vegas for the first time yielded some remarkable highs for us and for the industry," Vassiliadis said. "It's an absolutely phenomenal story. It's wonderful that the team is getting seats in, but, no offense, it's better that they're filled, and they're filled with people flying in and out of the destination." She noted a focus on customer experience is critical because the first and last impression people have of Las Vegas is the airport. December passenger volume is expected to be reported later this month, but for the first 11 months of 2022, 48.3 million people, 3.2 million shy of 2019's all-time annual record of 52.5 million passengers arrived and departed from Harry Reid International. Vassiliadis said the full capacity of the airport is somewhere around 63 million to 65 million passengers.

Safety and Security Threats: Any threats to DOA staff or an aircraft in flight are taken seriously, and such threats will be forwarded to the appropriate law enforcement agencies.

GCS:sk

Attachments

Airport Noise Report February 9, 2023 Page 22 of 52

Distribution: Commissioner Gibson, Chair

Commissioner Jones, Vice-Chair Commissioner Kirkpatrick Commissioner McCurdy II Commissioner Miller Commissioner Naft Commissioner Segerblom

Kevin Schiller

Rosemary Vassiliadis
James Chrisley
Joseph Piurkowski
Ralph LePore
Sandra Cikity
Simona Nitcheva
Gina Wilborn
Ben Czyzewski
Curtis Hedgepeth
Sean Roebuck
Blanca Vazquez

Charlie Halterman (HND Tower) Richard Falcon (FAA FSDO) Richard Derrick (COH)

Jorge Cervantes (CLV)

Mayor Carolyn Goodman (CLV)
Mayor Pro Tem Brian Knudsen (CLV)
Councilwoman Olivia Diaz (CLV)
Councilwoman Victoria Seaman (CLV)
Councilwoman F. Allen-Palenske (CLV)
Councilwoman Nancy E. Brune (CLV)
Councilman Cedric Crear (CLV)

Brok Armantrout (CBC)
John Williams (Ricondo)
Jared Raymond (FAA ADO)
Mike Jeck (Metro Wash. Air Auth.)
Karen Everitt (Dallas City Hall)

Tina Frias
Scott Kichline
Phillip Detmer
SundayLee Cabrera
Anthony Perkins
Susan Gersh
Bruce Daugherty
Christine Crews
Jim McIntosh (COH)
Andrew Powell (COH)

Darryl Dembski (FAA ATCT)
Matthew Smith (FAA TRACON)

James Erbeck (CLV)
Paul Alukonis (FAA FSDO)

Sydney Lowe (University Libraries)
Lisa Butterfield (Reno-Tahoe Airport)
Andrea Christensen (Denver Airport)
Jennifer Lewis (Scottsdale Airport)
Frank Iacovino (Mass Port Authority)
Robert Butler (Papillon Helicopters)
Christine Gerencher (American Airlines)

Bert Ganoung (SFO)

San Diego Airport Noise Management

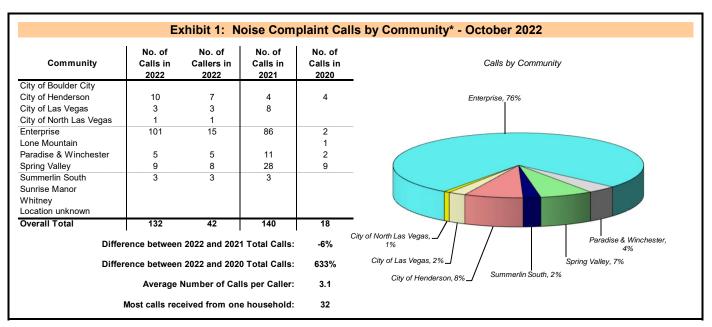
Jeannie Denham (Citizen) Judge Bob Johnston (Citizen)

Roy Fuhrmann (Metro Airports Commission)

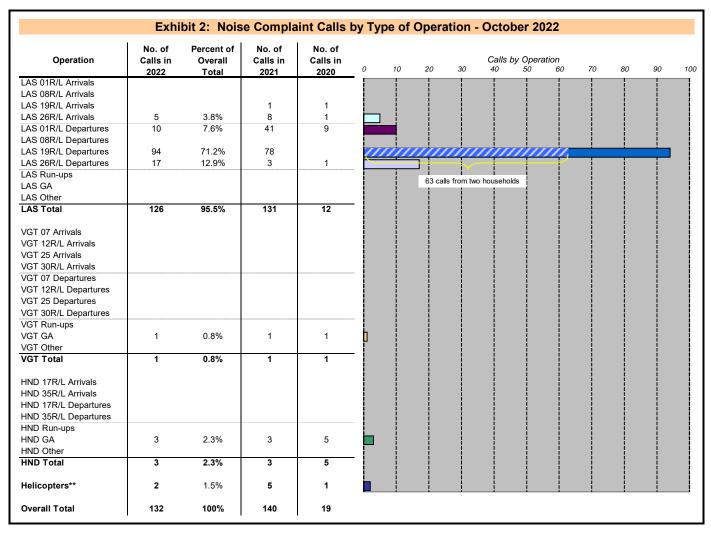
Tom Schaus (Sundance Helicopters) Brooke Satern (Port of Portland)

Gary Brodt (Citizen)
Stan Shepherd (SEATAC)
Eric Sheng (Long Beach Airport)
Jason Schwartz (Portland Airport)
Steven Peacock (Dallas City Hall)

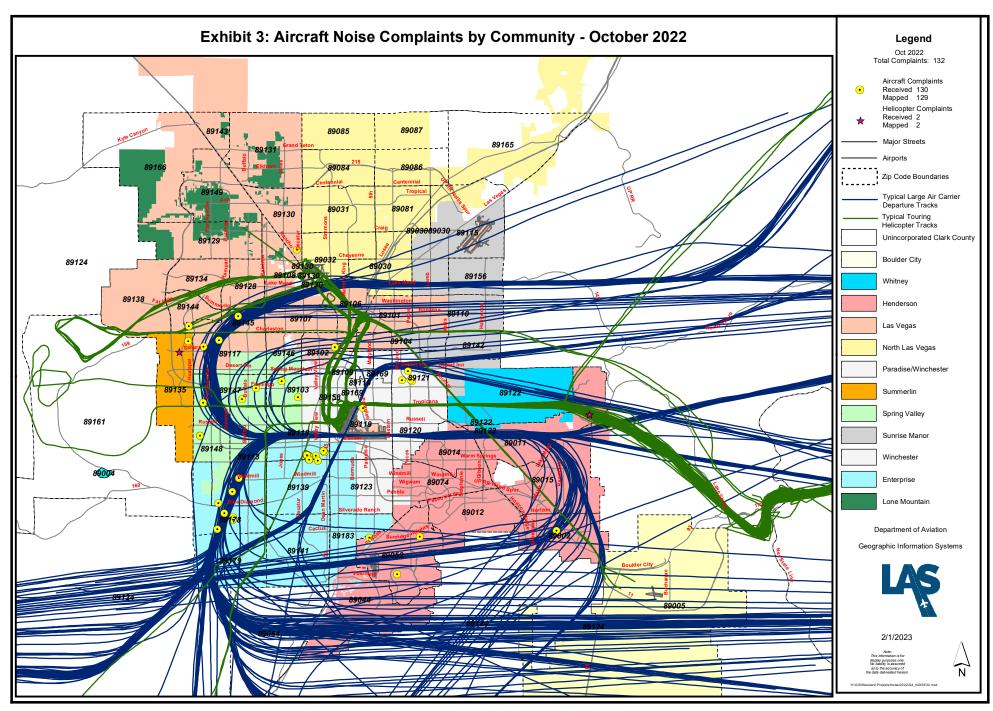
William Olivieri (Citizen) Samuel Carter (Harris)

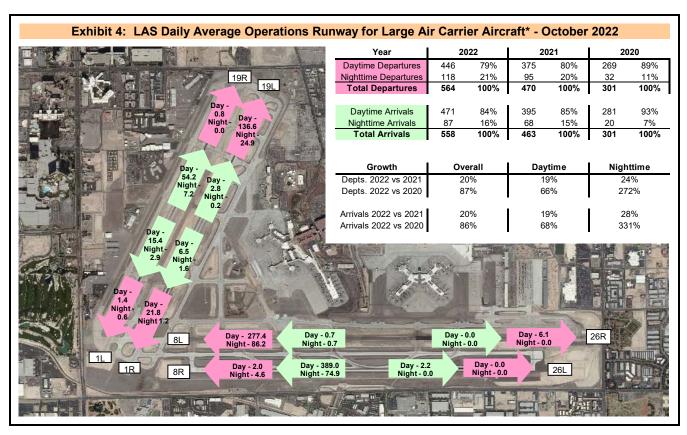


^{*} See map on reverse side for community boundaries and location of known noise complaints.

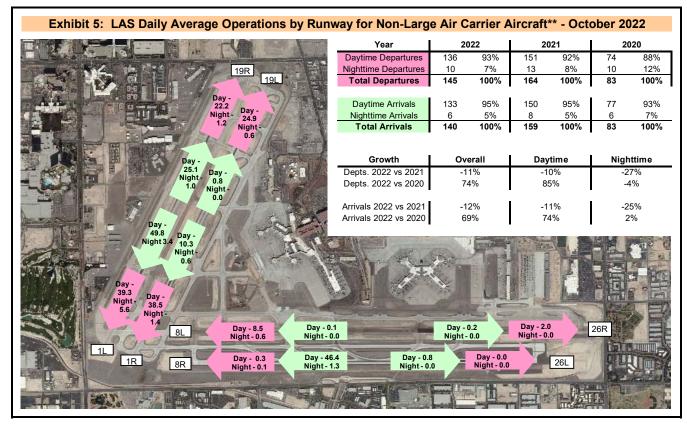


^{**} Note that helicopter noise complaints are not tied to a specific facility since the operation cannot always be associated to a specific airport. Additionally, helicopter calls do not include those associated with operations conducted by the Metropolitan Police Department or those associated with operations conducted at non-DOA facilities.

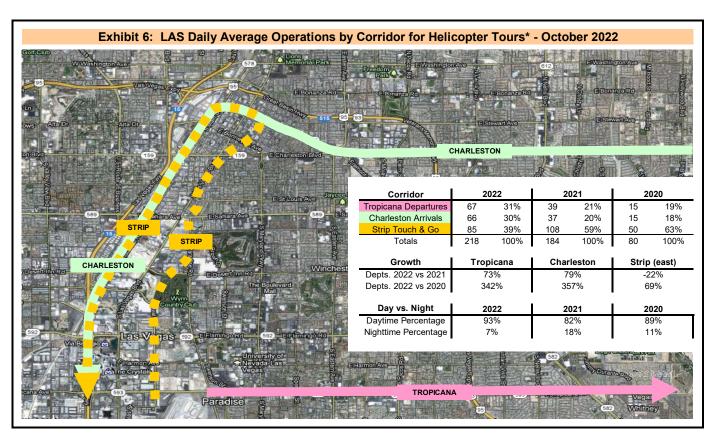


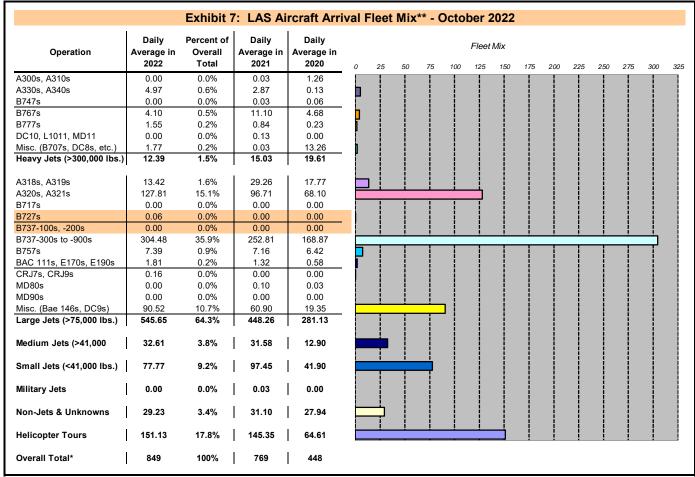


^{*} Aircraft types: All aircraft with a maximum gross take of weight of at least 75,000 pounds, including but not limited to, A306, A310, A311, A318, A319, A320, A330, A340, B707, B717, B727, B737, B747, B757, B767, B777, CRJ9, DC8, DC9, DC10, E170, E190, HA4T, L1011, MD80, MD90, MD10, MD11, VC10.

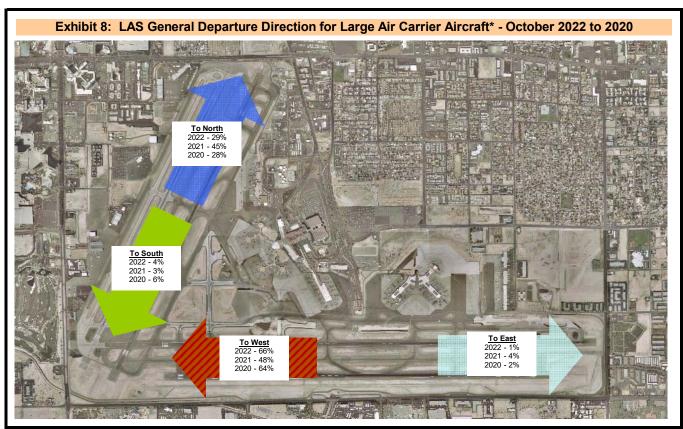


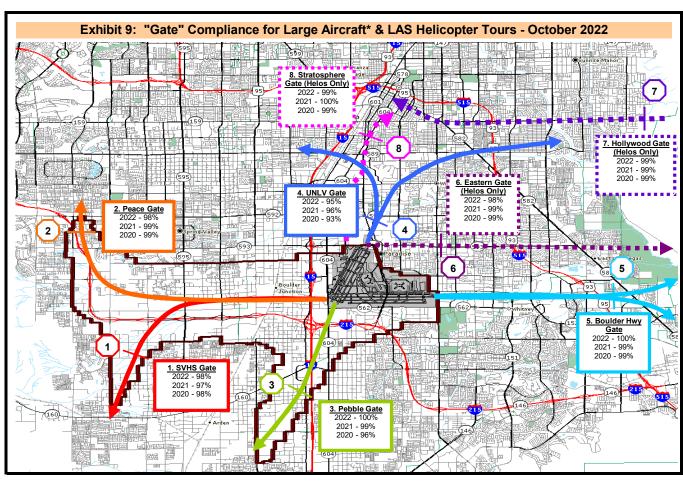
^{**} Aircraft types: All aircraft with a maximum gross take of weight less than 75,000 pounds, excluding helicopters.





^{**} Overall Total: Note that operation type and runway use counts are estimated by Harris Corp. EnvironmentalVue Noise and Monitoring Operations system based on radar data. Due to limitations of radar data, information for aircraft weighing less than 75,000 lbs is inexact.





* Aircraft types: All aircraft with a maximum gross take of weight of at least 75,000 pounds, including but not limited to, A306, A310, A311, A318, A319, A320, A330, A340, B707, B717, B727, B737, B747, B757, B767, B777, CRJ9, DC8, DC9, DC10, E170, E190, HA4T, L1011, MD80, MD90, MD10, MD11, VC10.

Exhibit 10: Land Use Application Reviews & Comments - October 2022										
Land Use Application Review Summary	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total			
No. of Land Use Applications Reviewed	89	9	45	8	151	229	177			
No. of Applications where CCDOA Issued a Comment	7	0	0	1	8	20	7			
Percent of Applications where Comment Issued	8%	0%	0%	13%	5%	9%	4%			

Exhibit 11: Land Use Application Comments by Airport Concern - October 2022									
Summary by Comment Type	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total		
Deed Restrictions	0	0	0	0	0	0	0		
Height-Penetrates Part 77 100:1 Surfaces/>200'	5	0	0	0	5	10	4		
Height-Penetrates Part 77 PATH-C Surfaces*	1	0	0	0	1	0	0		
Heliport/Helipad	0	0	0	0	0	1	0		
Noise-Commercial within AEOD**	2	0	0	0	2	2	2		
Noise-Residential within the AEOD**	1	0	0	0	1	0	0		
Noise-Residential Just Outside the AEOD**	1	0	0	1	2	11	1		
MiscIf applicable, detailed info. provided within the written summary	0	0	0	0	0	0	0		
Total***	10	0	0	1	11	24	7		

^{*} Primary, Approach, Transition, Horizontal, Conical as defined by Federal Aviation Regulation (FAR) Part 77.

^{***}Comment Concern totals will not always match Comment Applications total. Some applications are issued more than one type of CCDOA comment.

Exhibit 12: Dwelling Units per Commented Application* - October 2022										
Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total				
4	0	0	0	4	0	0				
250	0	0	78	328	1,109	380				
	Clark County	Clark City of County Henderson	Clark City of City of Las County Henderson Vegas 4 0 0	Clark City of City of Las City of North County Henderson Vegas Las Vegas 4 0 0 0 0	Clark City of City of Las City of North County 2022 County Henderson Vegas Las Vegas Total 4 0 0 0 4	Clark City of City of Las City of North County 2022 2021 County Henderson Vegas Las Vegas Total Total 4 0 0 0 4 0				

^{*}Due to high variability in many land use proposals, dwelling units proposed may not reflect actual number of units built. In addition, some projects will require more than one type of application, resulting in the project total counted more than once.

Exhibit 13: Land Use Applications Denied and/or Opposed* - October 2022										
Summary of LUA Opposed	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total			
Recommend Denial	0	0	0	0	0	0	0			
Opposed at Hearings	0	0	0	0	0	0	0			

^{*}If denied or opposed at a hearing, detailed information provided within the written summary portion.

Exhibit 14: Airport Environs Overlay Districts & Noise Comments - Valley Wide - October 2022

AEOD - Airport Environs Overlay Districts - Noise Contours Clark County Code (CCC) 30.48.010. The AEOD is established to:

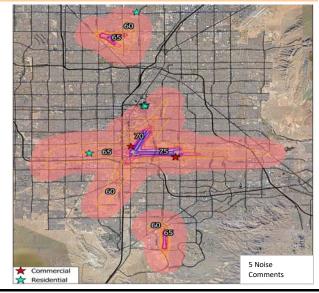
- Provide for a range of uses compatible with airport hazard and noise exposure areas.
- Prohibit the development of incompatible uses that are detrimental to the general health, safety, and welfare.
- 3. Require noise attenuated construction, as indicated by Table 30.48-AE, in accordance with the noise attenuation construction standards of Chapter 22.22 of the CCC, within these airport environs. The regulations of the AEOD shall supersede the regulations of the underlying district if there is a conflict.
- 4. Comply with the Federal Aviation Administration regulations.

2008-Most recent update to the AEOD in CCC, updated the AEOD for Reid (LAS), and added an AEOD to the North Las Vegas Airport (VGT) and the Henderson Executive Airport (HND).

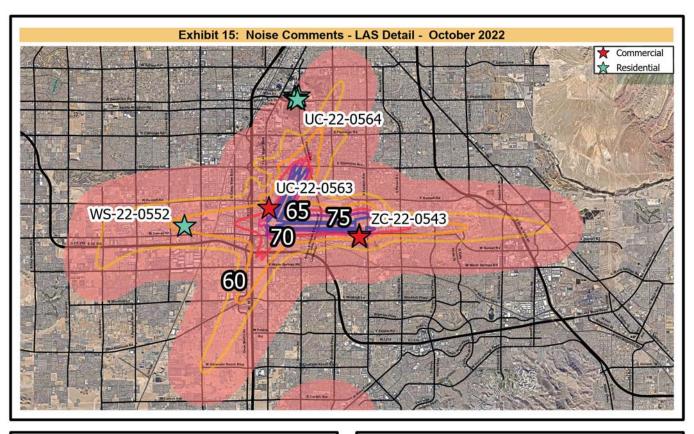
2011-AEOD adopted by the cities of North Las Vegas and Henderson.

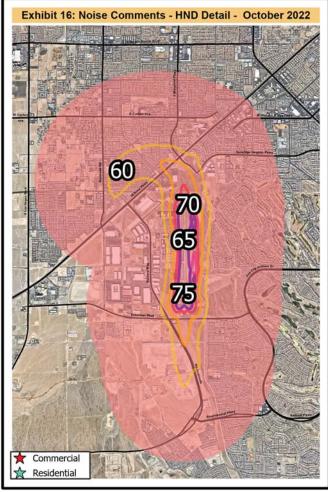
The AEOD has not been formally adopted by the City of Las Vegas. Only a small, already developed portion of the VGT AEOD lies within the incorporated City of Las Vegas boundaries.

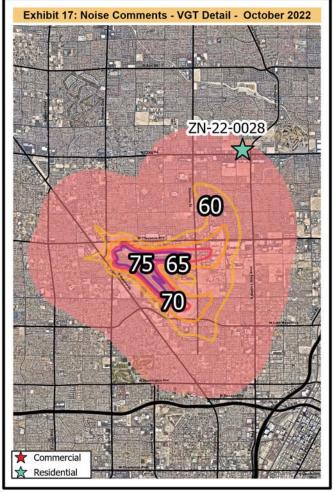
Salmon color indicates a 1 mile zone outside the AEOD.

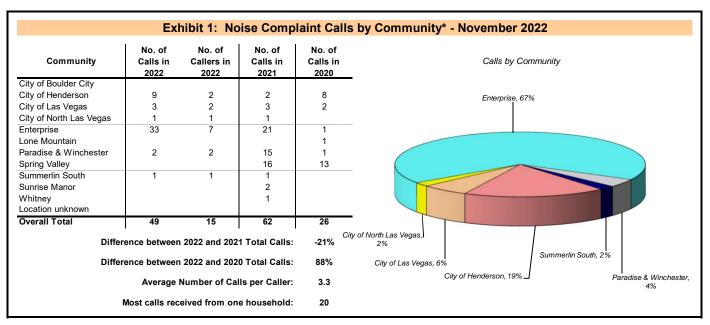


^{**}AEOD-Airport Environs Overlay District (defined below).

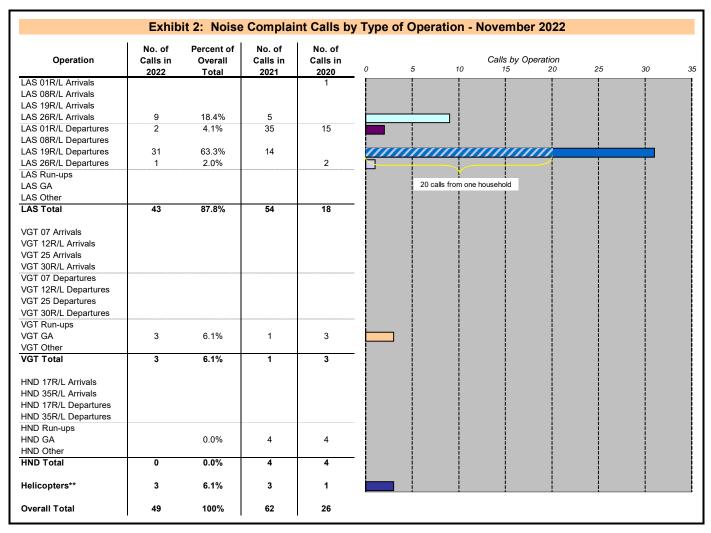




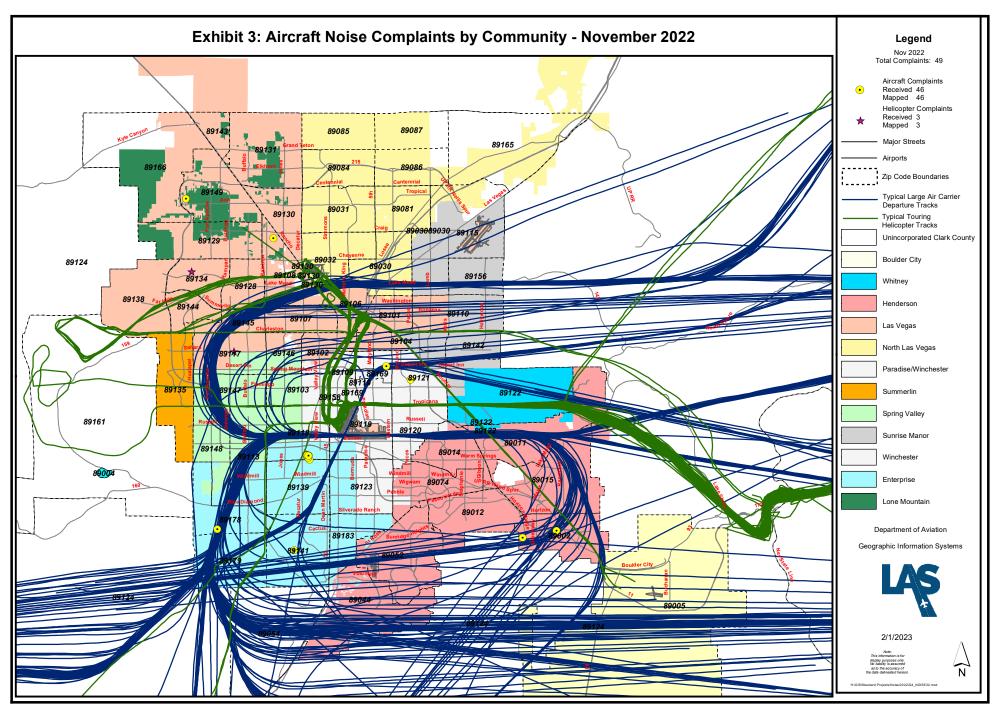


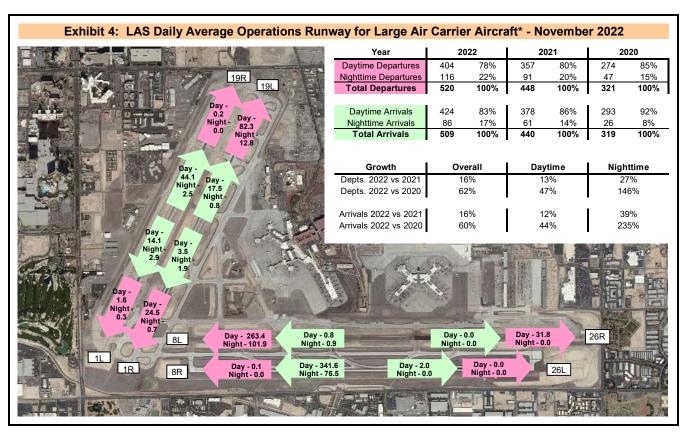


^{*} See map on reverse side for community boundaries and location of known noise complaints.

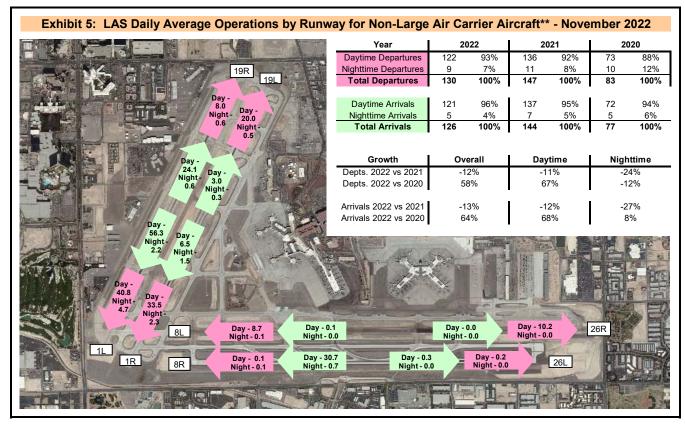


^{**} Note that helicopter noise complaints are not tied to a specific facility since the operation cannot always be associated to a specific airport. Additionally, helicopter calls do not include those associated with operations conducted by the Metropolitan Police Department or those associated with operations conducted at non-DOA facilities.

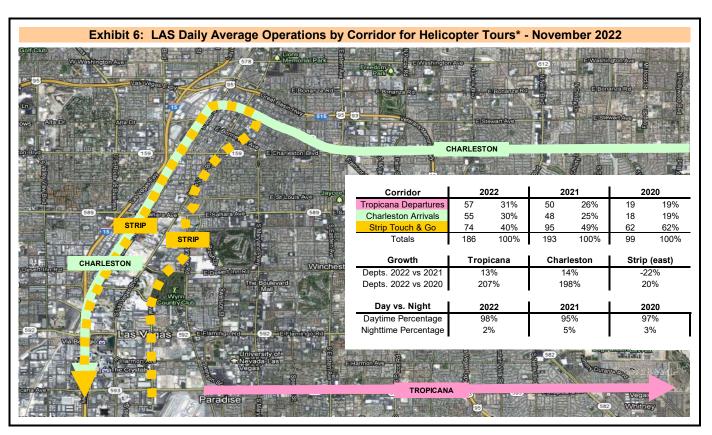


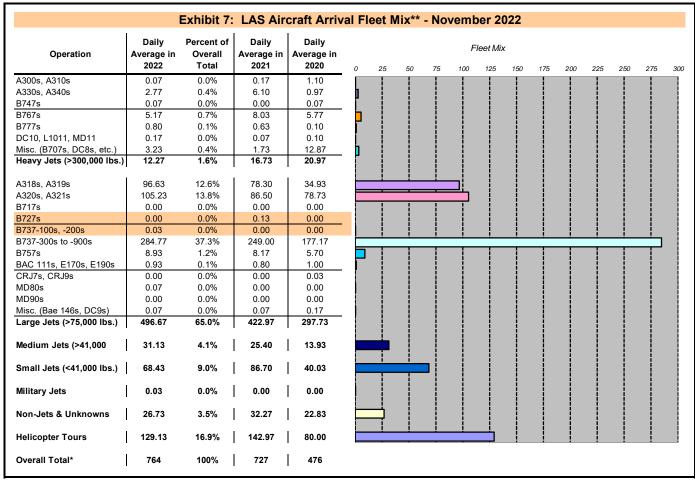


^{*} Aircraft types: All aircraft with a maximum gross take of weight of at least 75,000 pounds, including but not limited to, A306, A310, A311, A318, A319, A320, A330, A340, B707, B717, B727, B737, B747, B757, B767, B777, CRJ9, DC8, DC9, DC10, E170, E190, HA4T, L1011, MD80, MD90, MD10, MD11, VC10.

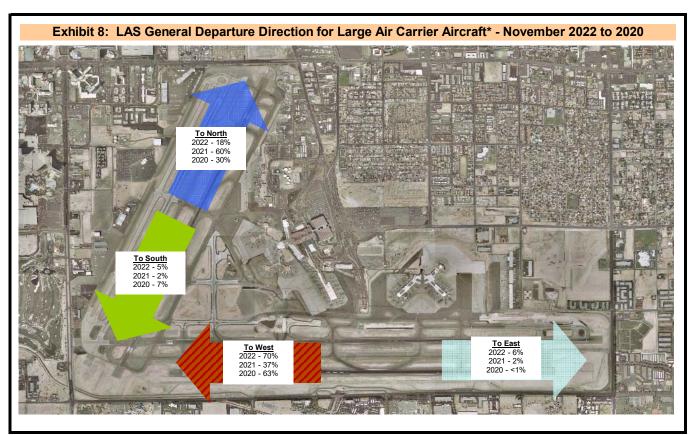


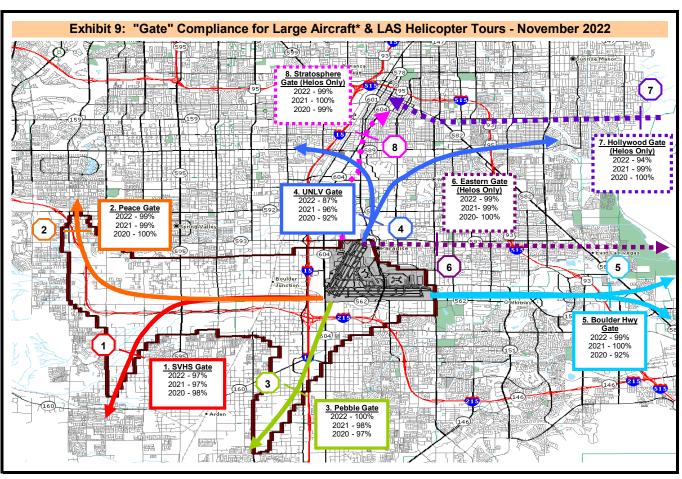
^{**} Aircraft types: All aircraft with a maximum gross take of weight less than 75,000 pounds, excluding helicopters.





^{**} Overall Total: Note that operation type and runway use counts are estimated by Harris Corp. EnvironmentalVue Noise and Monitoring Operations system based on radar data. Due to limitations of radar data, information for aircraft weighing less than 75,000 lbs is inexact.





^{*} Aircraft types: All aircraft with a maximum gross take of weight of at least 75,000 pounds, including but not limited to, A306, A310, A311, A318, A319, A320, A330, A340, B707, B717, B727, B737, B747, B757, B767, B777, CRJ9, DC8, DC9, DC10, E170, E190, HA4T, L1011, MD80, MD90, MD10, MD11, VC10.

Exhibit 10: Land Use Application Reviews & Comments - November 2022										
Land Use Application Review Summary	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total			
No. of Land Use Applications Reviewed	74	69	40	16	199	226	157			
No. of Applications where CCDOA Issued a Comment	8	8	1	5	22	21	21			
Percent of Applications where Comment Issued	11%	12%	3%	31%	11%	9%	13%			

Exhibit 11: Land Use Application Comments by Airport Concern - November 2022									
Summary by Comment Type	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total		
Deed Restrictions	0	0	0	0	0	1	0		
Height-Penetrates Part 77 100:1 Surfaces/>200'	4	5	1	0	10	2	7		
Height-Penetrates Part 77 PATH-C Surfaces*	0	0	0	0	0	2	1		
Heliport/Helipad	0	0	0	0	0	2	0		
Noise-Commercial within AEOD**	3	1	0	0	4	1	4		
Noise-Residential within the AEOD**	0	1	0	0	1	3	1		
Noise-Residential Just Outside the AEOD**	1	2	0	5	8	10	12		
MiscIf applicable, detailed info. provided within the written summary	0	0	0	0	0	0	1		
Total***	8	9	1	5	23	21	26		

^{*} Primary, Approach, Transition, Horizontal, Conical as defined by Federal Aviation Regulation (FAR) Part 77.

^{***}Comment Concern totals will not always match Comment Applications total. Some applications are issued more than one type of CCDOA comment.

Exhibit 12: Dwelling Units per Commented Application* - November 2022										
Dwelling Units Proposed in Commented Applications	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total			
Within the AEOD	0	72	0	0	72	388	179			
Just Outside the AEOD	2	717	0	159	878	823	1,407			

^{*}Due to high variability in many land use proposals, dwelling units proposed may not reflect actual number of units built. In addition, some projects will require more than one type of application, resulting in the project total counted more than once.

Exhibit 13: Land Use Applications Denied and/or Opposed* - November 2022										
Summary of LUA Opposed	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total			
Recommend Denial	0	0	0	0	0	0	0			
Opposed at Hearings	0	0	0	0	0	0	2			

^{*}If denied or opposed at a hearing, detailed information provided within the written summary portion.

Exhibit 14: Airport Environs Overlay Districts & Noise Comments - Valley Wide - November 2022

AEOD - Airport Environs Overlay Districts - Noise Contours Clark County Code (CCC) 30.48.010. The AEOD is established to:

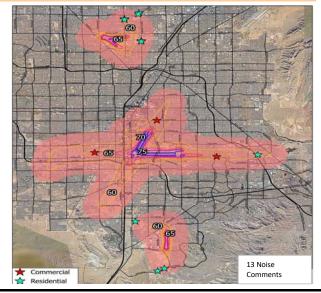
- Provide for a range of uses compatible with airport hazard and noise exposure areas.
- Prohibit the development of incompatible uses that are detrimental to the general health, safety, and welfare.
- 3. Require noise attenuated construction, as indicated by Table 30.48-AE, in accordance with the noise attenuation construction standards of Chapter 22.22 of the CCC, within these airport environs. The regulations of the AEOD shall supersede the regulations of the underlying district if there is a conflict.
- 4. Comply with the Federal Aviation Administration regulations.

2008-Most recent update to the AEOD in CCC, updated the AEOD for Reid (LAS), and added an AEOD to the North Las Vegas Airport (VGT) and the Henderson Executive Airport (HND).

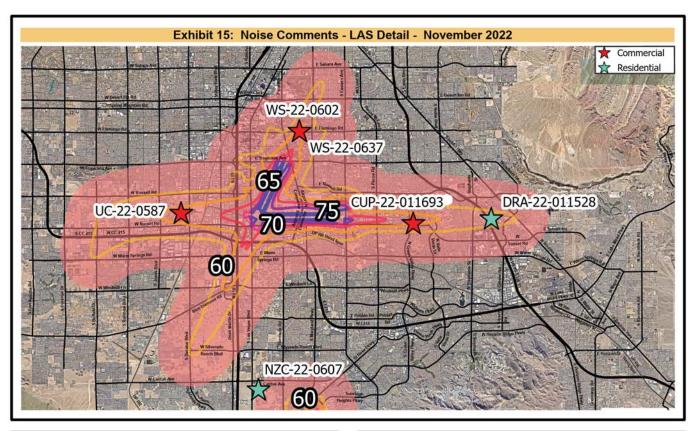
2011-AEOD adopted by the cities of North Las Vegas and Henderson.

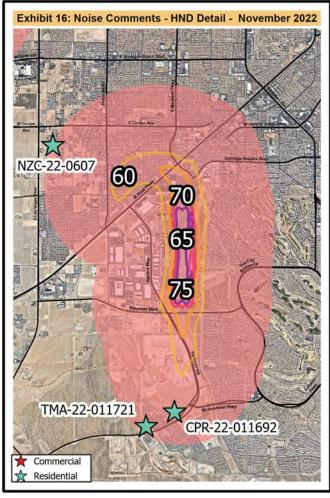
The AEOD has not been formally adopted by the City of Las Vegas. Only a small, already developed portion of the VGT AEOD lies within the incorporated City of Las Vegas boundaries.

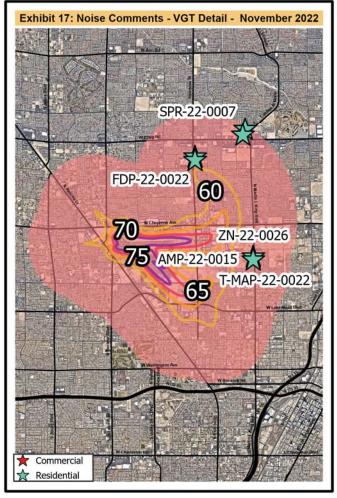
Salmon color indicates a 1 mile zone outside the AEOD.



^{**}AEOD-Airport Environs Overlay District (defined below).

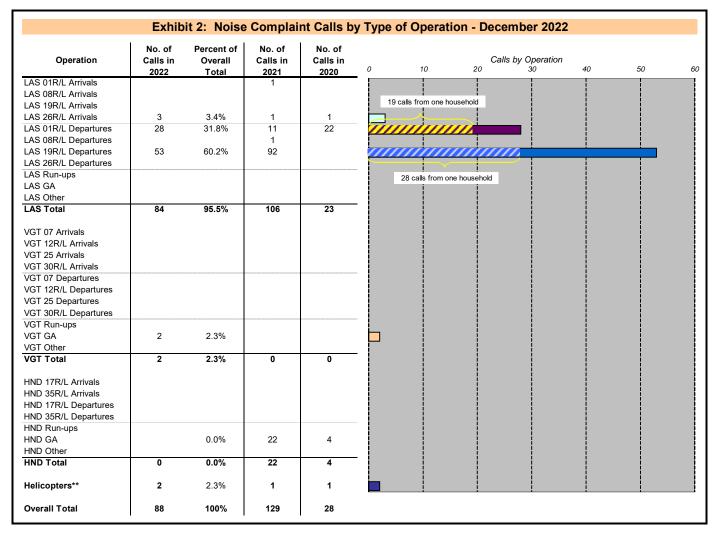




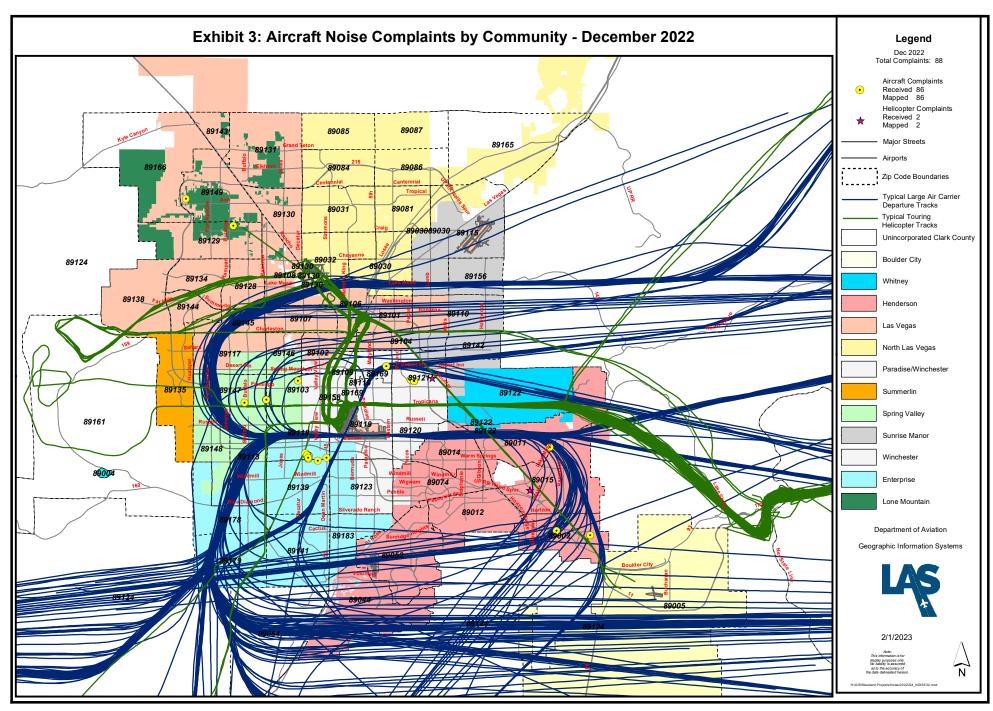


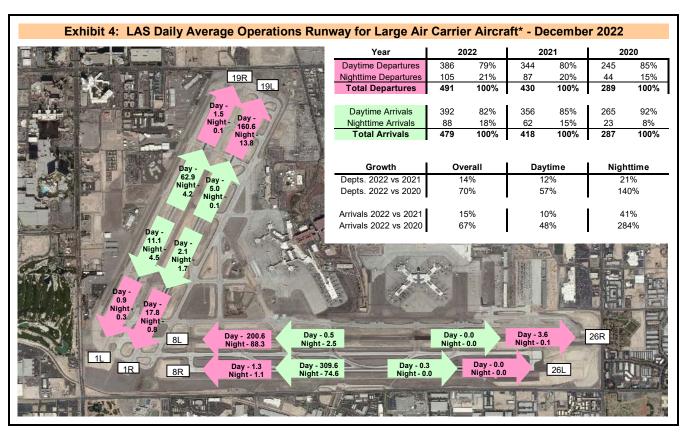
Community	No. of Calls in 2022	No. of Callers in 2022	No. of Calls in 2021	No. of Calls in 2020	Calls by Community
City of Boulder City				_	
City of Henderson	4	4	4	3	Enterprise, 60%
City of Las Vegas City of North Las Vegas	2	2	1	1	
Enterprise Lone Mountain	53	9	112	1	
Paradise & Winchester	8	4	7	2	
Spring Valley	21	3	5	18	
Summerlin South Sunrise Manor Whitney Location unknown				2	
Overall Total	88	22	129	28	
Differ	ence betweer	1 2022 and 202	1 Total Calls:	-32%	City of Henderson, 5% Paradise & Winchester 9%
Differ	ence betweer	2022 and 202	0 Total Calls:	214%	City of Las Vegas, 2% Spring Valley, 24%
	Average	Number of Cal	Is per Caller:	4.0	
	ŭ		•		
	Most calls red	eived from on	e household:	28	

^{*} See map on reverse side for community boundaries and location of known noise complaints.

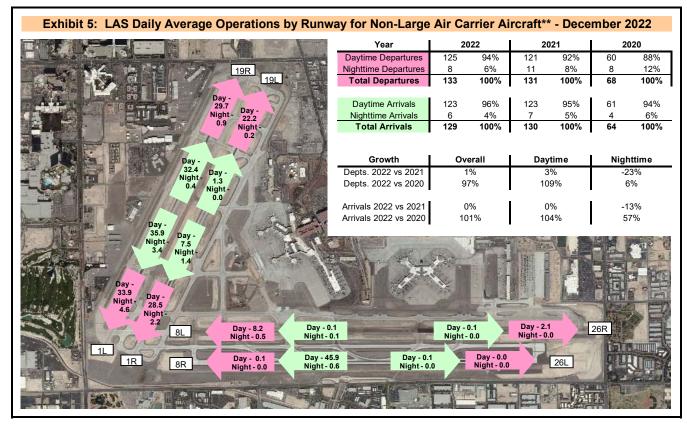


^{**} Note that helicopter noise complaints are not tied to a specific facility since the operation cannot always be associated to a specific airport. Additionally, helicopter calls do not include those associated with operations conducted by the Metropolitan Police Department or those associated with operations conducted at non-DOA facilities.

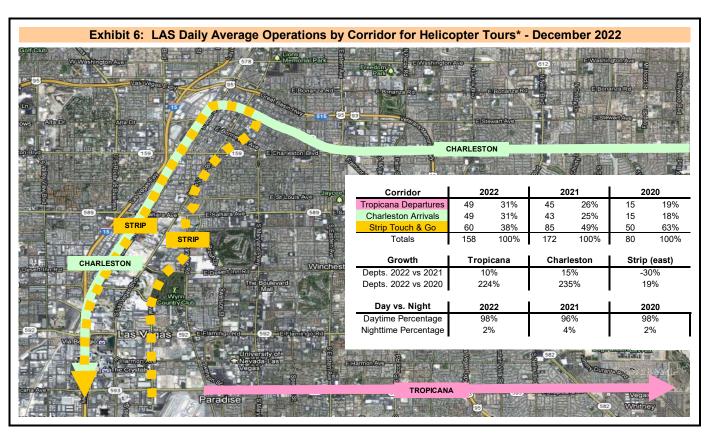


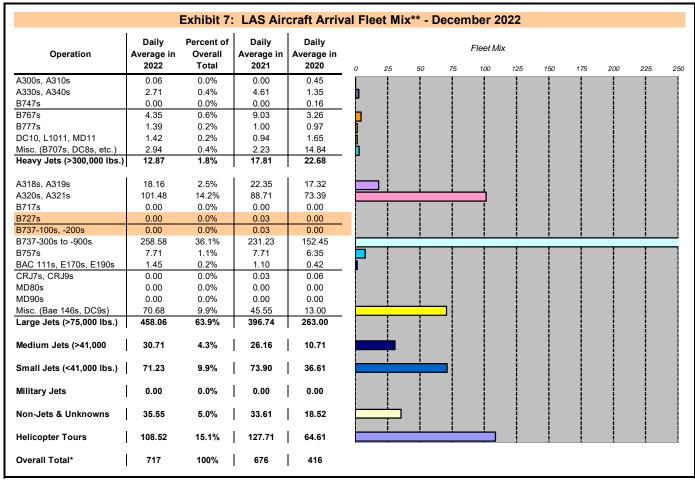


^{*} Aircraft types: All aircraft with a maximum gross take of weight of at least 75,000 pounds, including but not limited to, A306, A310, A311, A318, A319, A320, A330, A340, B707, B717, B727, B737, B747, B757, B767, B777, CRJ9, DC8, DC9, DC10, E170, E190, HA4T, L1011, MD80, MD90, MD10, MD11, VC10.

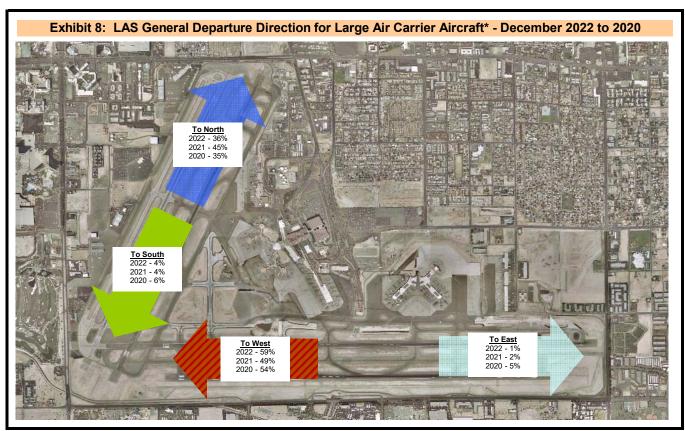


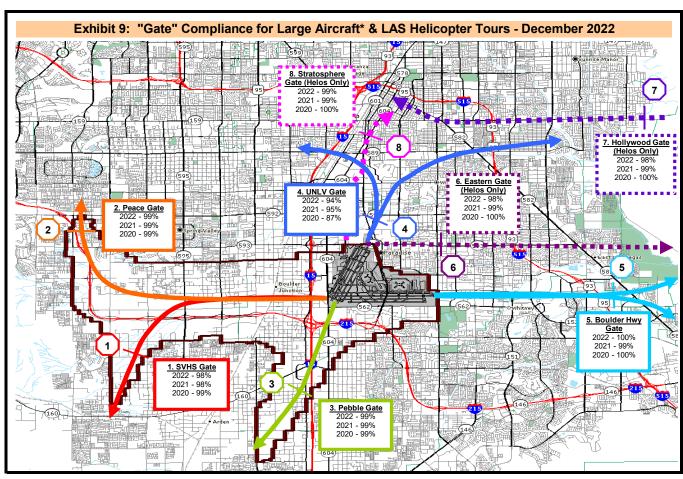
^{**} Aircraft types: All aircraft with a maximum gross take of weight less than 75,000 pounds, excluding helicopters.





^{**} Overall Total: Note that operation type and runway use counts are estimated by Harris Corp. EnvironmentalVue Noise and Monitoring Operations system based on radar data. Due to limitations of radar data, information for aircraft weighing less than 75,000 lbs is inexact.





* Aircraft types: All aircraft with a maximum gross take of weight of at least 75,000 pounds, including but not limited to, A306, A310, A311, A318, A319, A320, A330, A340, B707, B717, B727, B737, B747, B757, B767, B777, CRJ9, DC8, DC9, DC10, E170, E190, HA4T, L1011, MD80, MD90, MD10, MD11, VC10.

Exhibit 10: Land Use Applic	ation Re	views & Co	mments -	December 2	2022		
Land Use Application Review Summary	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total
No. of Land Use Applications Reviewed	79	10	36	24	149	184	211
No. of Applications where CCDOA Issued a Comment	12	1	1	1	15	15	19
Percent of Applications where Comment Issued	15%	10%	3%	4%	10%	8%	9%

Exhibit 11: Land Use Application	n Comme	ents by Airp	ort Conce	rn - Decem	ber 202	2	
Summary by Comment Type	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total
Deed Restrictions	0	0	0	0	0	2	1
Height-Penetrates Part 77 100:1 Surfaces/>200'	3	1	1	0	5	6	11
Height-Penetrates Part 77 PATH-C Surfaces*	0	0	0	0	0	1	0
Heliport/Helipad	0	0	0	0	0	0	0
Noise-Commercial within AEOD**	3	0	0	0	3	4	0
Noise-Residential within the AEOD**	1	0	0	0	1	1	1
Noise-Residential Just Outside the AEOD**	5	0	0	1	6	4	10
MiscIf applicable, detailed info. provided within the written summary	0	0	0	0	0	1	2
Total***	12	1	1	1	15	19	25

^{*} Primary, Approach, Transition, Horizontal, Conical as defined by Federal Aviation Regulation (FAR) Part 77.

^{***}Comment Concern totals will not always match Comment Applications total. Some applications are issued more than one type of CCDOA comment.

Exhibit 12: Dwelling Units p	er Comm	nented App	lication* -	December 2	2022		
Dwelling Units Proposed in Commented Applications	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total
Within the AEOD	4	0	0	0	4	206	144
Just Outside the AEOD	463	0	0	27	490	94	1,107

^{*}Due to high variability in many land use proposals, dwelling units proposed may not reflect actual number of units built. In addition, some projects will require more than one type of application, resulting in the project total counted more than once.

Exhibit 13: Land Use Applicat	ions Den	ied and/or	Opposed*	- Decembe	r 2022		
Summary of LUA Opposed	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total
Recommend Denial	0	0	0	0	0	0	1
Opposed at Hearings	0	0	0	0	0	0	0

^{*}If denied or opposed at a hearing, detailed information provided within the written summary portion.

Exhibit 14: Airport Environs Overlay Districts & Noise Comments - Valley Wide - December 2022

AEOD - Airport Environs Overlay Districts - Noise Contours Clark County Code (CCC) 30.48.010. The AEOD is established to:

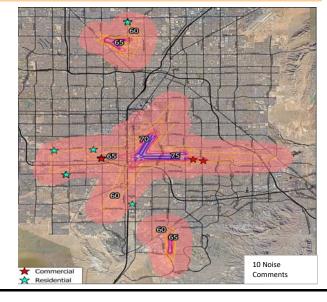
- Provide for a range of uses compatible with airport hazard and noise exposure areas.
- Prohibit the development of incompatible uses that are detrimental to the general health, safety, and welfare.
- 3. Require noise attenuated construction, as indicated by Table 30.48-AE, in accordance with the noise attenuation construction standards of Chapter 22.22 of the CCC, within these airport environs. The regulations of the AEOD shall supersede the regulations of the underlying district if there is a conflict.
- 4. Comply with the Federal Aviation Administration regulations.

2008-Most recent update to the AEOD in CCC, updated the AEOD for Reid (LAS), and added an AEOD to the North Las Vegas Airport (VGT) and the Henderson Executive Airport (HND).

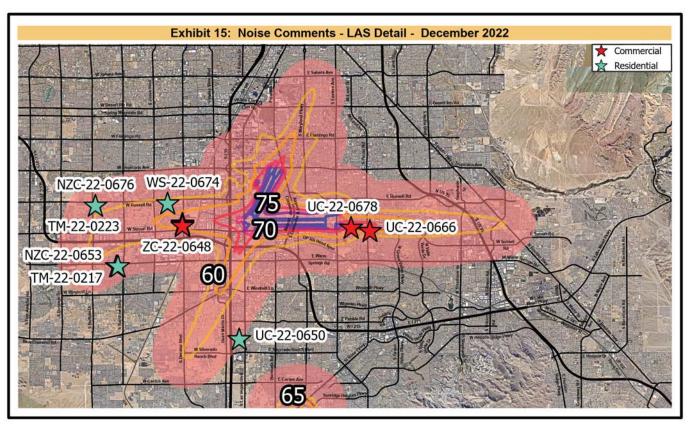
2011-AEOD adopted by the cities of North Las Vegas and Henderson.

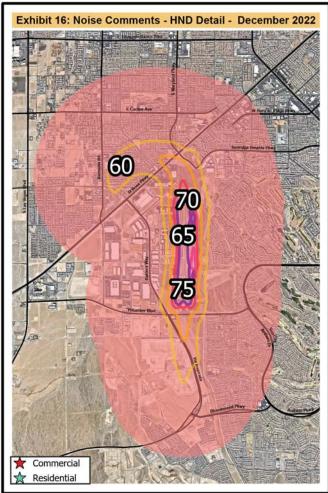
The AEOD has not been formally adopted by the City of Las Vegas. Only a small, already developed portion of the VGT AEOD lies within the incorporated City of Las Vegas boundaries.

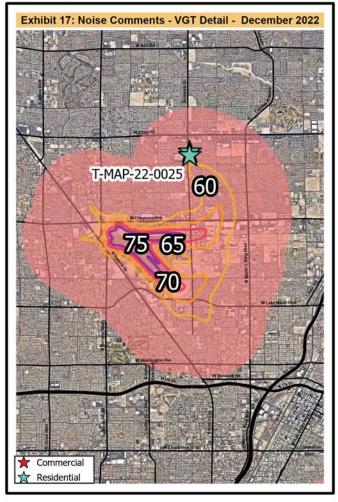
Salmon color indicates a 1 mile zone outside the AEOD.

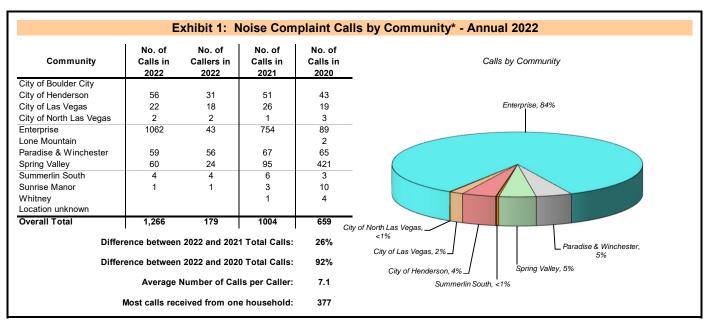


^{**}AEOD-Airport Environs Overlay District (defined below).

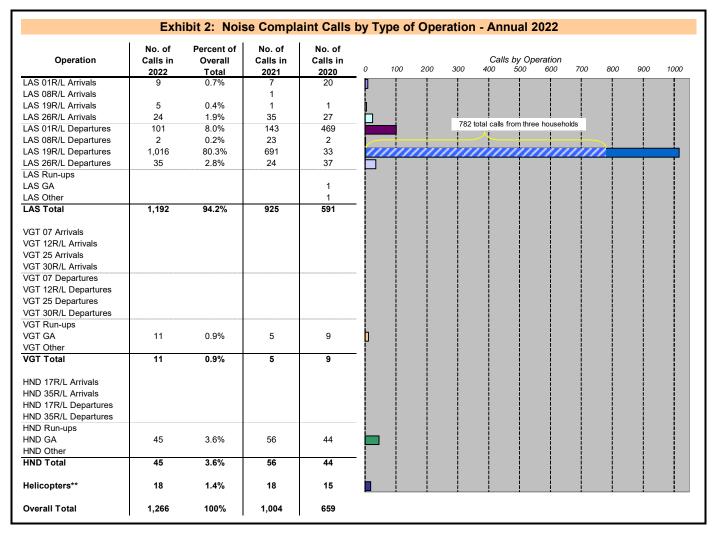




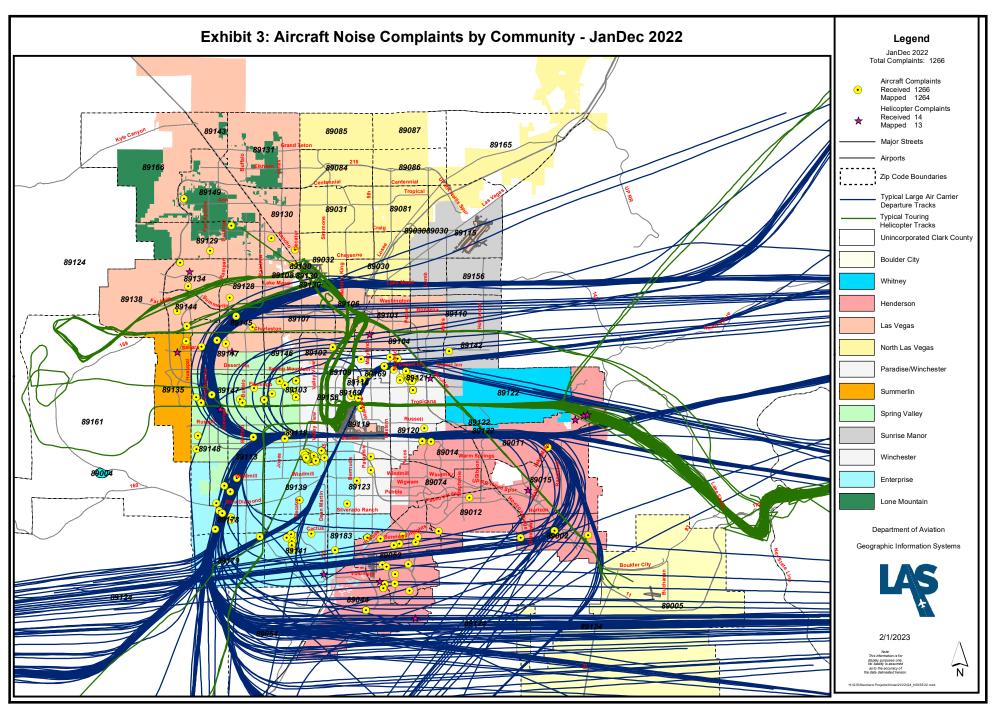


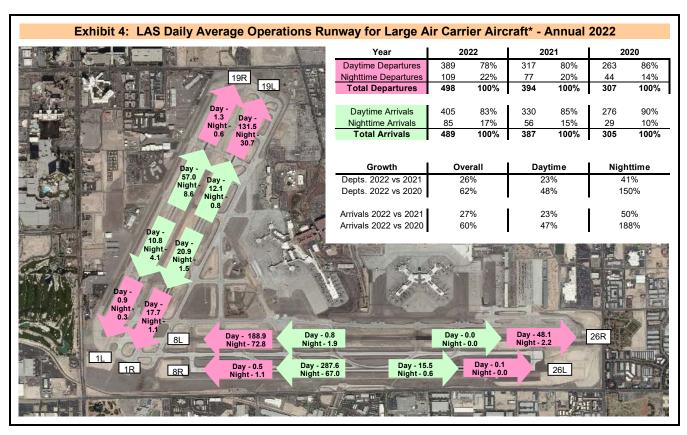


^{*} See map on reverse side for community boundaries and location of known noise complaints.

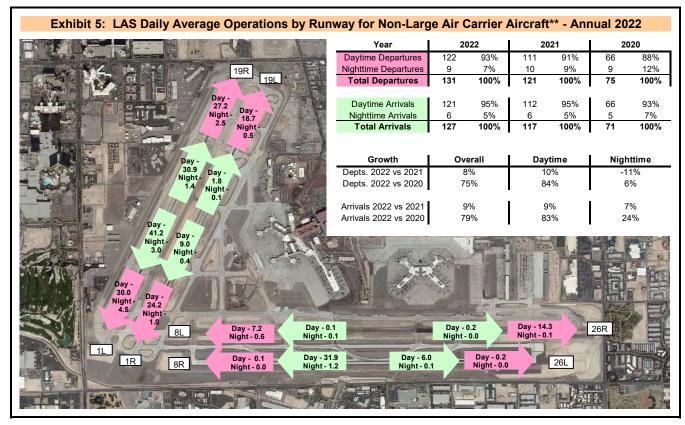


^{**} Note that helicopter noise complaints are not tied to a specific facility since the operation cannot always be associated to a specific airport. Additionally, helicopter calls do not include those associated with operations conducted by the Metropolitan Police Department or those associated with operations conducted at non-DOA facilities.

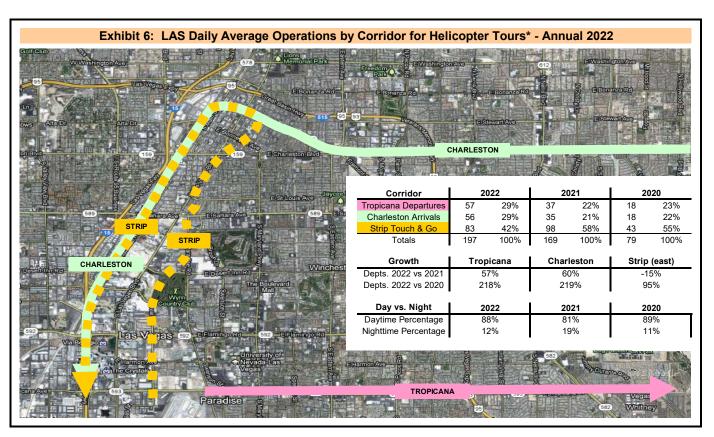


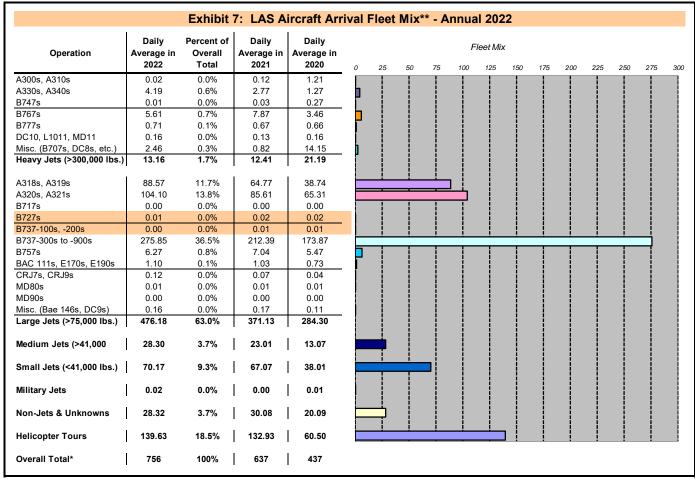


^{*} Aircraft types: All aircraft with a maximum gross take of weight of at least 75,000 pounds, including but not limited to, A306, A310, A311, A318, A319, A320, A330, A340, B707, B717, B727, B737, B747, B757, B767, B777, CRJ9, DC8, DC9, DC10, E170, E190, HA4T, L1011, MD80, MD90, MD10, MD11, VC10.

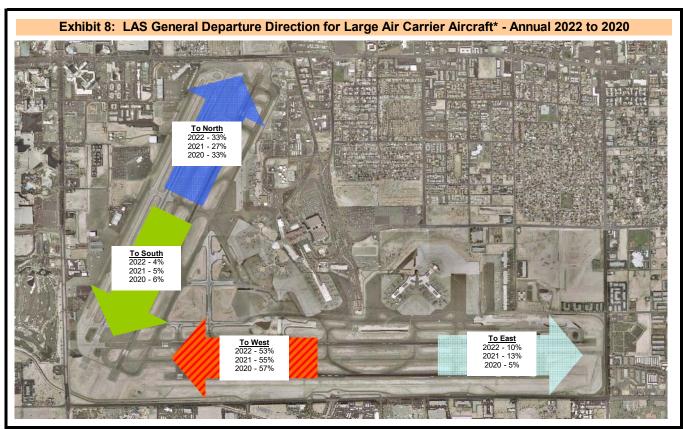


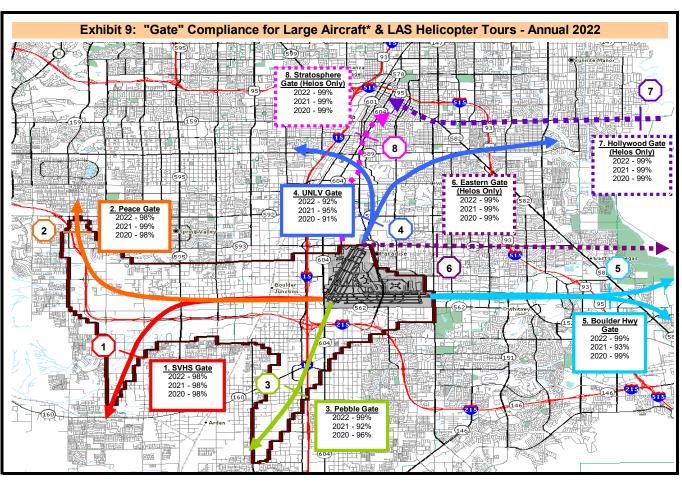
^{**} Aircraft types: All aircraft with a maximum gross take of weight less than 75,000 pounds, excluding helicopters.





^{**} Overall Total: Note that operation type and runway use counts are estimated by Harris Corp. EnvironmentalVue Noise and Monitoring Operations system based on radar data. Due to limitations of radar data, information for aircraft weighing less than 75,000 lbs is inexact.





* Aircraft types: All aircraft with a maximum gross take of weight of at least 75,000 pounds, including but not limited to, A306, A310, A311, A318, A319, A320, A330, A340, B707, B717, B727, B737, B747, B757, B767, B777, CRJ9, DC8, DC9, DC10, E170, E190, HA4T, L1011, MD80, MD90, MD10, MD11, VC10.

Exhibit 10: Land Use A	pplicatio	n Reviews	& Comme	nts - 2022			
Land Use Application Review Summary	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total
No. of Land Use Applications Reviewed	1,164	526	464	187	2,341	2,634	2240
No. of Applications where CCDOA Issued a Comment	129	55	13	23	220	211	161
Percent of Applications where Comment Issued	11%	10%	3%	12%	9%	8%	7%

Exhibit 11: Land Use Appli	cation C	omments b	y Airport C	Concern - 2	022		
Summary by Comment Type	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total
Deed Restrictions	1	0	0	0	1	8	8
Height-Penetrates Part 77 100:1 Surfaces/>200'	40	31	10	2	83	80	71
Height-Penetrates Part 77 PATH-C Surfaces*	7	0	0	0	7	8	5
Heliport/Helipad	0	1	0	0	1	4	1
Noisy-Commercial within AEOD**	29	3	0	4	36	29	18
Noisy-Residential within the AEOD**	5	3	0	1	9	13	11
Noisy-Residential Just Outside the AEOD**	55	25	4	16	100	104	80
MiscIf applicable, detailed info. provided within the written summary	3	0	0	0	3	1	3
Total***	140	63	14	23	240	247	197

^{*} Primary, Approach, Transition, Horizontal, Conical as defined by Federal Aviation Regulation (FAR) Part 77.

^{***}Comment Concern totals will not always match Comment Applications total. Some applications are issued more than one type of CCDOA comment.

Exhibit 12: Dwelling U	nits per (Commente	d Applicati	on* - 2022			
Dwelling Units Proposed in Commented Applications	Clark	City of	City of Las	City of North	2022	2021	2020
	County	Henderson	Vegas	Las Vegas	Total	Total	Total
Within the AEOD Just Outside the AEOD	794	248	0	74	1,116	1,712	1066
	4,719	4,021	837	925	10,502	11,245	13,668

^{*}Due to high variability in many land use proposals, dwelling units proposed may not reflect actual number of units built. In addition, some projects will require more than one type of application, resulting in the project total counted more than once.

Exhibit 13: Land Use Ap	plication	s Denied a	nd/or Opp	osed* - 202	2		
Summary of LUA Opposed	Clark County	City of Henderson	City of Las Vegas	City of North Las Vegas	2022 Total	2021 Total	2020 Total
Recommend Denial	0	0	0	1	1	1	5
Opposed at Hearings	0	0	0	0	0	2	4

^{*}If denied or opposed at a hearing, detailed information provided within the written summary portion.

Exhibit 14: Airport Environs Overlay Districts & Noise Comments - Valley Wide - 2022

AEOD - Airport Environs Overlay Districts - Noise Contours Clark County Code (CCC) 30.48.010. The AEOD is established to:

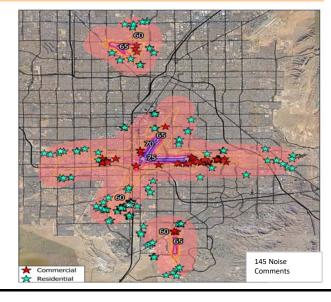
- Provide for a range of uses compatible with airport hazard and noise exposure areas.
- Prohibit the development of incompatible uses that are detrimental to the general health, safety, and welfare.
- 3. Require noise attenuated construction, as indicated by Table 30.48-AE, in accordance with the noise attenuation construction standards of Chapter 22.22 of the CCC, within these airport environs. The regulations of the AEOD shall supersede the regulations of the underlying district if there is a conflict.
- 4. Comply with the Federal Aviation Administration regulations.

2008-Most recent update to the AEOD in CCC, updated the AEOD for Reid (LAS), and added an AEOD to the North Las Vegas Airport (VGT) and the Henderson Executive Airport (HND).

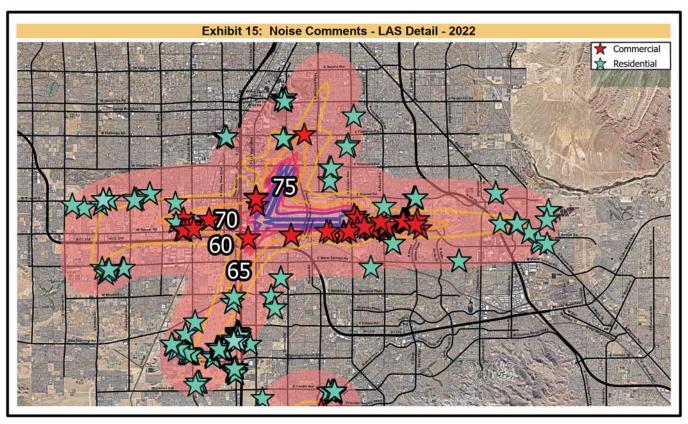
2011-AEOD adopted by the cities of North Las Vegas and Henderson.

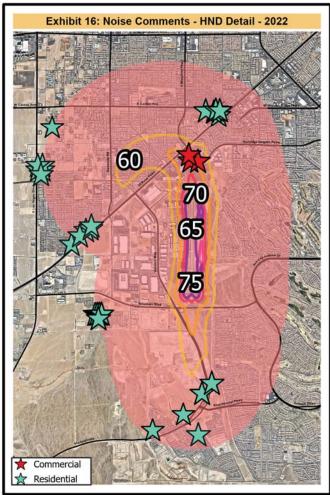
The AEOD has not been formally adopted by the City of Las Vegas. Only a small, already developed portion of the VGT AEOD lies within the incorporated City of Las Vegas boundaries.

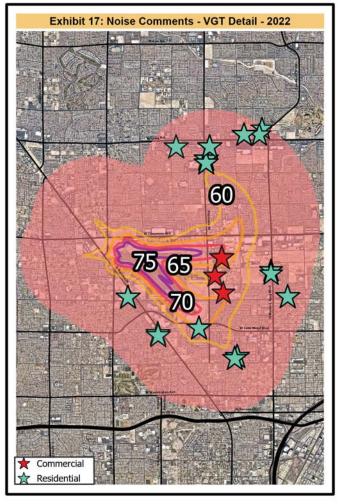
Salmon color indicates a 1 mile zone outside the AEOD.



^{**}AEOD-Airport Environs Overlay District (defined below).







Year	January	February	March	April	Мау	June	July	August	September	October	November	December	January through December Total	Average No of Calls pe Caller
022 Number of Calls	56	119	211	175	149	89	43	45	110	132	49	88	1,266	8.6
022 Number of Callers	31	27	34	25	19	21	12	20	20	42	15	22	148	0.0
021 Number of Calls	19	17	131	126	106	75	88	43	68	140	62	129	1.004	
021 Number of Callers	8	10	45	31	16	19	22	11	21	44	27	22	144	7.0
020 Number of Calls	337	65	45	39	24	23	7	8	39	18	26	28	659	4.4
020 Number of Callers	53	42	23	5	7	8	7	7	14	13	12	9	149	4.4
350 -													- 202 Cal	22 Number of ls
250			<u> </u>										202 Cal	21 Number of
150				_								<u>/</u>		20 Number of

	Exl	hibit 1	9: To	tal Mo	onthly	Calls	by Ti	me of	Day -	Annu	ial 20	22		
Time Complaint Received	January	February	March	April	Мау	June	yluly	August	September	October	November	December	January through December Total	Percent
Day Hours (7:00 a.m. to 9:59 p.m.)	51	96	198	167	136	83	42	42	107	119	45	85	1,171	92.5%
Night Hours (10:00 p.m. to 6:59 a.m.)	5	23	13	8	13	6	1	3	3	13	4	3	95	7.5%
Total	56	119	211	175	149	89	43	45	110	132	49	88	1,266	100.0%

