

Noise Management Office



The Quarterly Noise Management Report is a publication of the Airport Noise Management Office that provides updated data and a summary of the activities of the Airport Noise Management System and the Residential Sound Insulation Program

**ANNUAL
YEAR 2012**

Noise Monitoring

The Annual 2012 Average DNL values 2010 to 2012 for the eight permanent noise monitors is shown in the table below. Two permanent noise monitors showed a decrease in DNL levels of -1.3 and -3.3 for this period. Five monitors had an increase in DNL levels ranging from 0.5 to 0.9. One site had the same level as last year. An increase/decrease of 3 DNL represents a doubling/halving of the noise energy.

All noise levels shown are measured in DNL (Day-Night Level). DNL represents noise exposure events averaged over a given time period. To account for human sensitivity to noise between the hours of 10 p.m. and 7 a.m., noise events occurring during these hours receive a "penalty" when the DNL is calculated. Each nighttime event is measured as if ten daytime events occurred.

Noise Complaints

There were 730 noise complaints received from 16 different callers in 12 different communities in Year 2012, a decrease of 20% from the 912 complaints made in Year 2011. This decrease is due primarily because Runway 12R-30L was closed for reconstruction. In 2012, three callers made over 100 complaints each (88.6% of all calls), one caller made 59 calls (8.1% of all calls), and the remaining 12 callers made 24 calls (3.3% of all calls).

The City of Northwoods recorded the most noise complaints with a total of 269 complaints (36.8%), all from one caller. Next was the City of Pasadena Hills with 190 complaints (26.0%), all coming from one caller.

There were 149 (20.4%) calls made during the night time period of 10:00 p.m. and 7:00 a.m. and 581 (79.6%) calls made during the day time period of 7:00 a.m. to 10:00 p.m.

Operations

There were 190,715 operations recorded in Year 2012 compared to 190,005 operations in Year 2011, an increase of 0.4%. Southwest Airlines is the predominate air carrier with 32.1% of all operations, followed by American (9.8%), and Cape Air (7.7%). The most utilized aircraft were the Boeing 737-700 and Boeing 737-300 series which represented 30.4% of all aircraft type at the airport.

The distribution of traffic for Year 2012 was 45.7% eastbound and 54.3% westbound departures.

Residential Sound Insulation Program

As of December 31, 2012, acoustical improvements have been completed on 1,219 houses.

INSIDE THIS ISSUE:

Item	Page
Noise Monitoring Data	1
Noise Complaint Tally	2
Runway Identification	3
Noise Monitoring Locations	3
Noise Complaints By City & Number of Callers By Community	4
Operations By Runway	5
Operations By Aircraft	5
Operations By Airline	5
Distribution of Traffic	6
Residential Sound Insulation Program	6

Noise Complaint Hot Line
(314) 551-5070

Our mailing address is:

*Airport Planning &
Development Office
Lambert-St. Louis
International Airport
P. O. Box 10212
St. Louis, MO 63145*

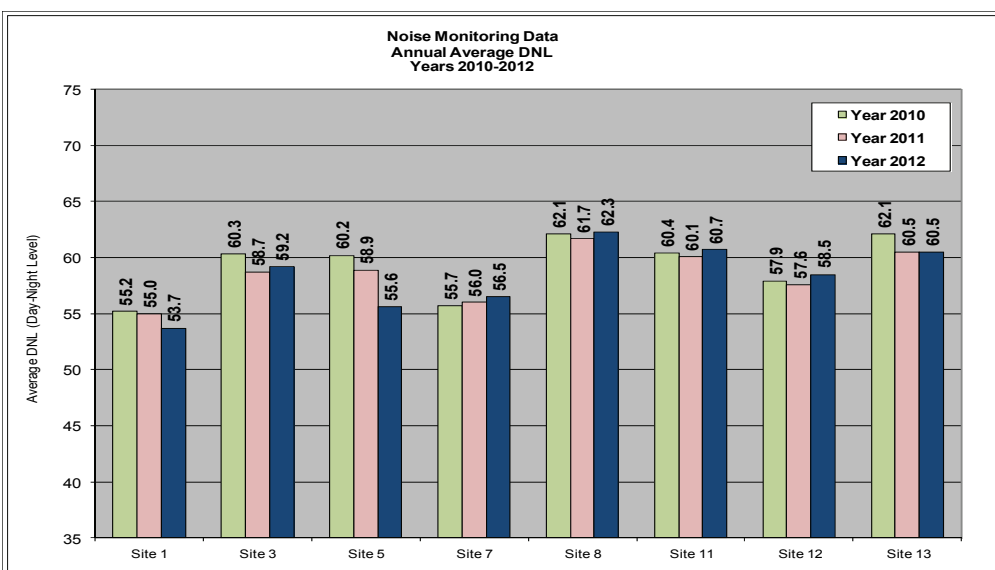
Our phone numbers are:

*Phone: (314) 551-5025
Fax: (314) 551-5013*

Our location is:

*11495 Navaid Road
Bridgeton, MO 63044*

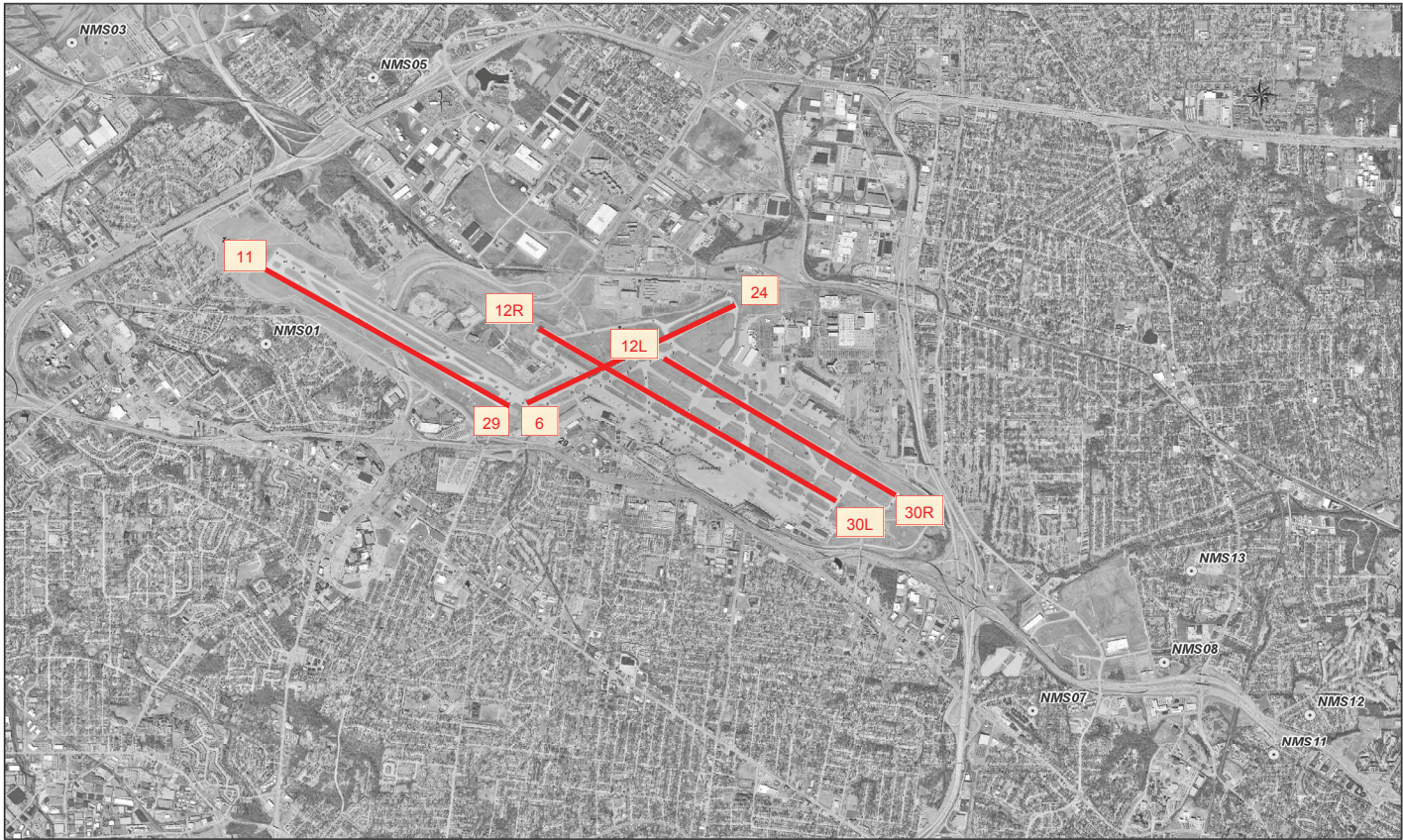
We're on the Web
www.flystl.com



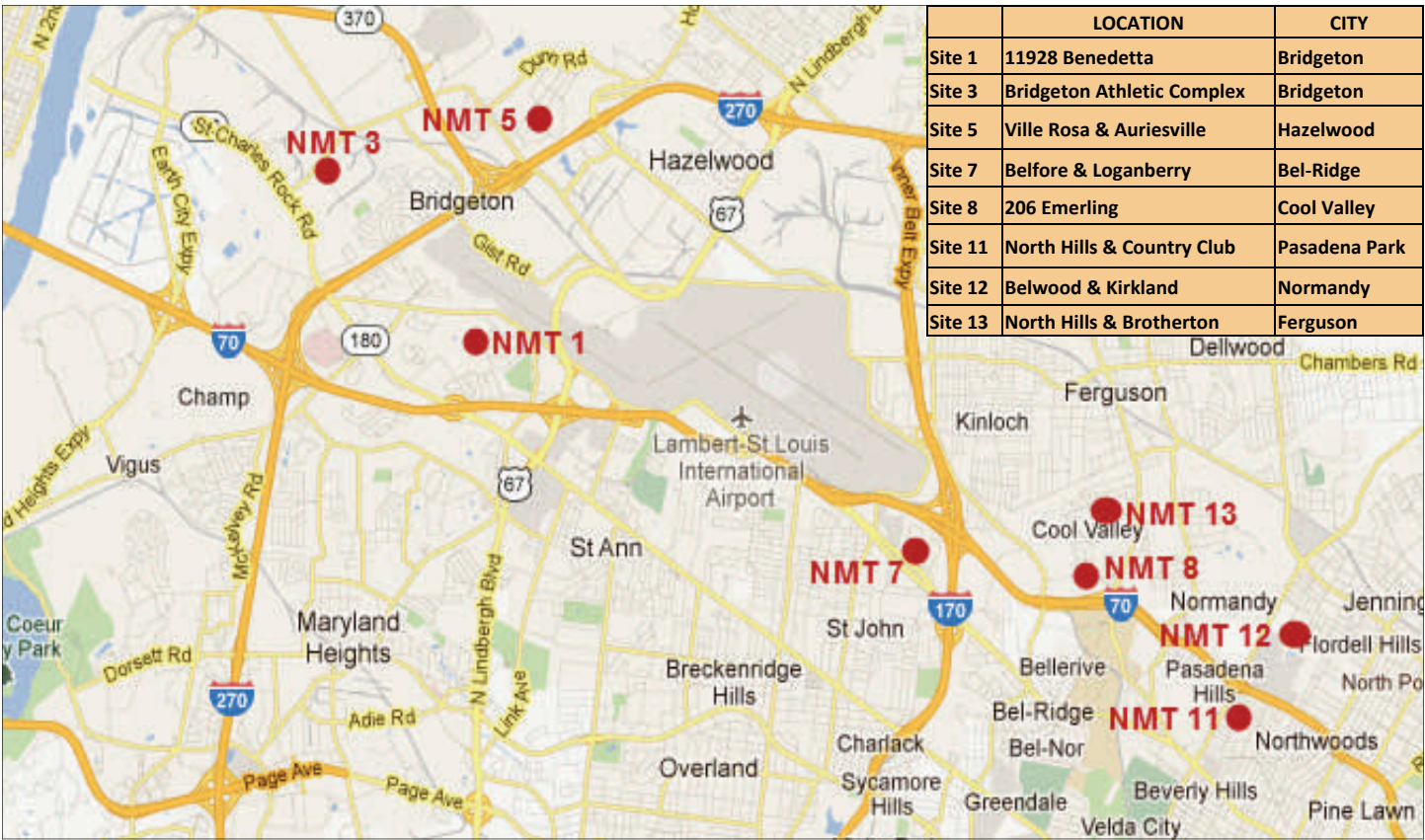
NOISE COMPLAINTS

CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2012	2011	2010	2009	2008
Bellerive	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	0	0
Berkeley	-	-	2	1	-	-	-	2	-	5	-	-	10	19	23	56	50
Bridgeton	3	7	6	2	-	2	11	11	10	6	-	1	59	135	249	124	108
Clayton	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	1
Cool Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	1
Edmundson	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	1
Ferguson	-	-	-	-	-	-	-	-	-	-	-	-	-	5	0	1	0
Florissant	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	0	1
Hazelwood	-	-	-	-	-	1	-	-	-	-	-	-	1	1	3	10	94
Maryland Heights	-	-	-	-	-	-	-	-	-	-	-	-	-	0	4	0	0
Normandy	-	-	-	-	-	-	-	1	-	-	-	-	1	0	0	5	2
Northwoods	52	36	75	63	24	2	1	1	10	5	-	-	269	493	712	683	653
Overland	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	2
Pasadena Hills	-	2	36	99	47	6	-	-	-	-	-	-	190	0	1	0	13
Pasadena Park	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0	314	2,823
Spanish Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	1
St. Ann	-	-	-	1	-	-	-	-	1	1	-	-	3	6	3	2	159
St. Charles	-	-	-	-	-	-	-	-	-	-	-	3	3	0	767	409	35
St. John	-	-	-	-	-	-	-	-	-	1	-	-	1	1	0	1	9
St. Louis City	25	14	36	26	33	15	6	4	25	2	-	3	189	249	266	239	295
St. Louis County	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	0
University City	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-
Woodson Terrace	-	-	-	2	-	-	-	1	-	-	-	-	3	0	0	0	1
TOTAL 2012	80	59	155	194	104	26	18	21	46	20	0	7	730				
Total 2011	97	52	69	62	95	97	91	104	76	68	46	55		912			
Total 2010	285	414	406	235	143	94	72	90	96	86	64	45			2,030	-	-
Total 2009	132	153	117	179	228	170	162	131	128	262	125	57			-	1,844	-
Total 2008	141	173	234	388	482	470	542	568	627	315	153	156			-	-	4,249

RUNWAY IDENTIFICATION

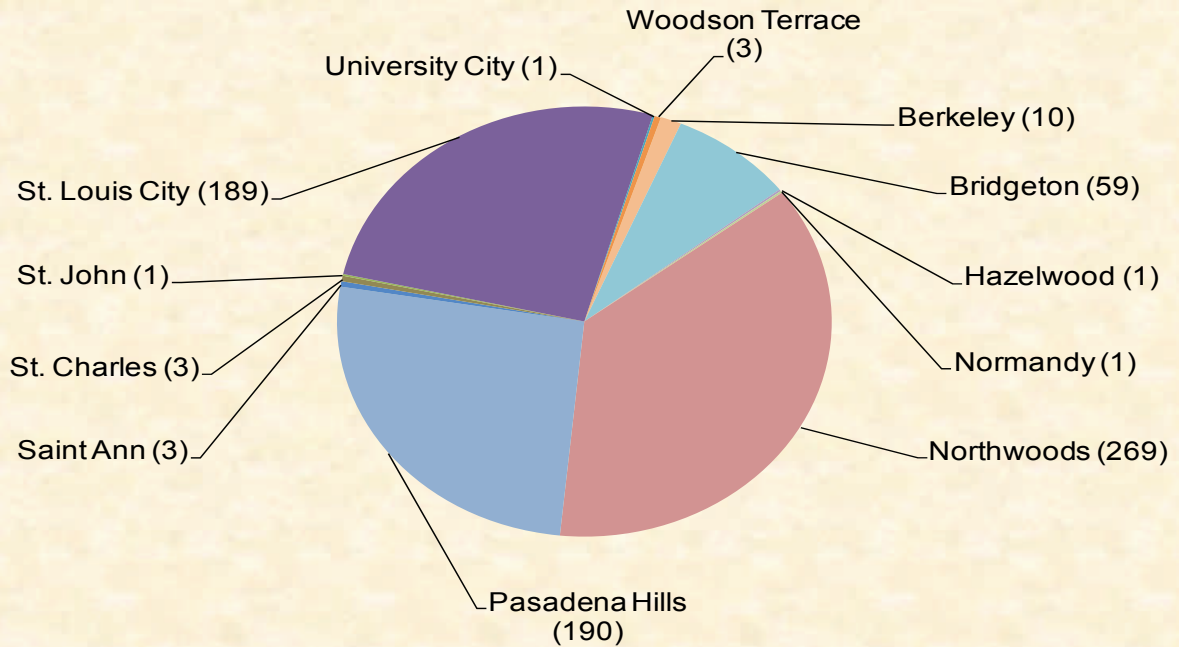


NOISE MONITORING LOCATIONS



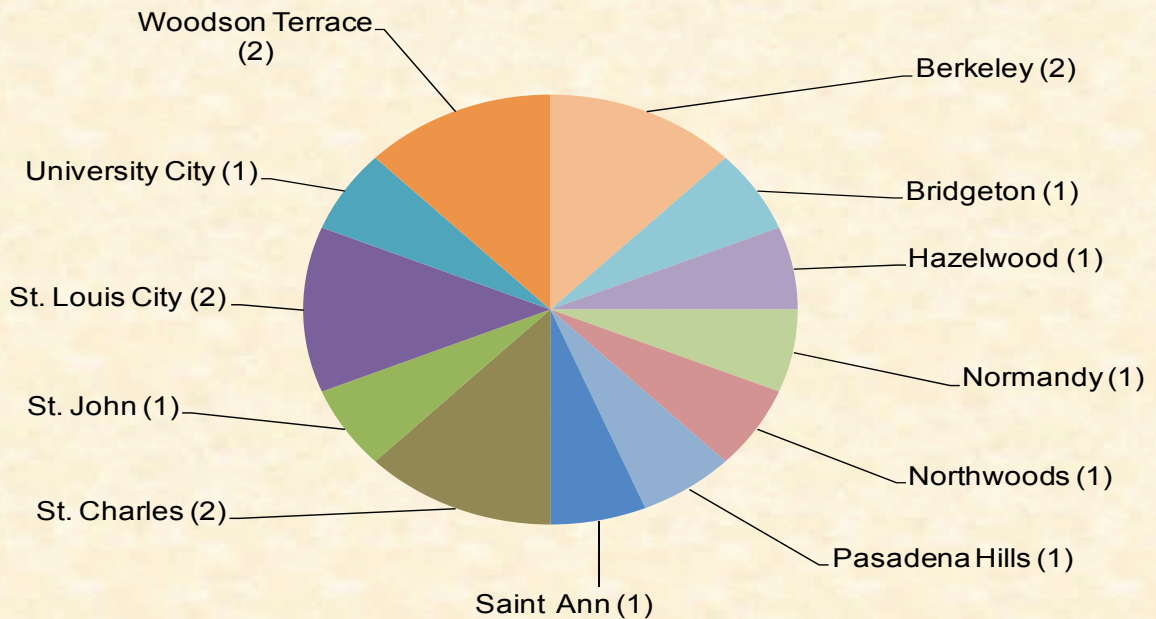
NOISE COMPLAINTS

**Noise Complaints By City
Annual Year 2012**



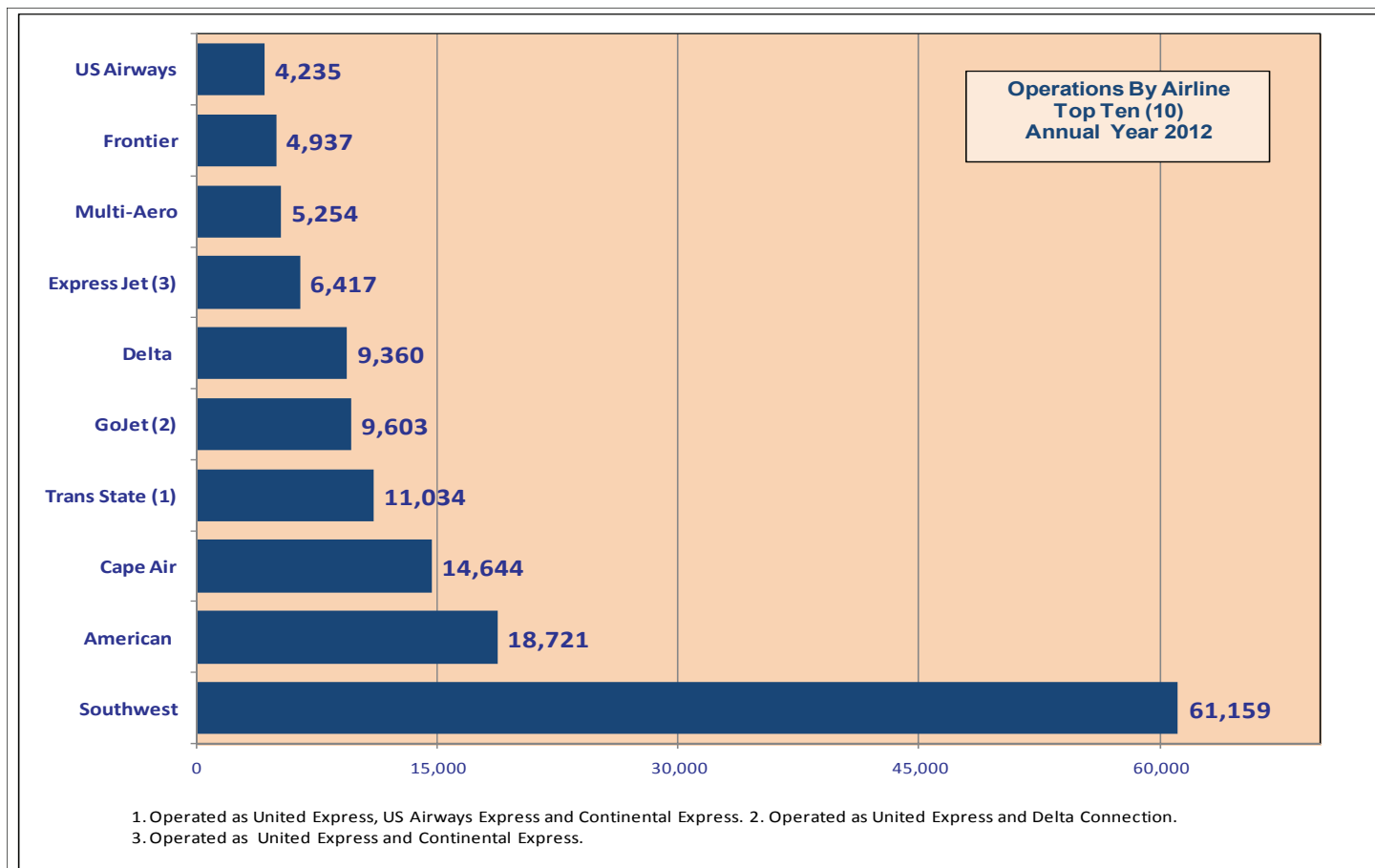
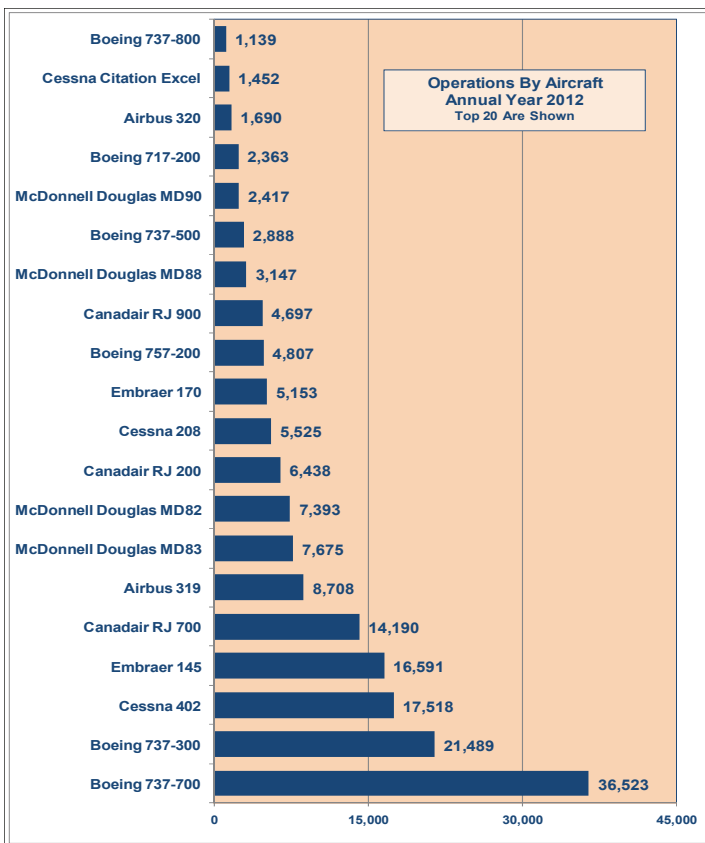
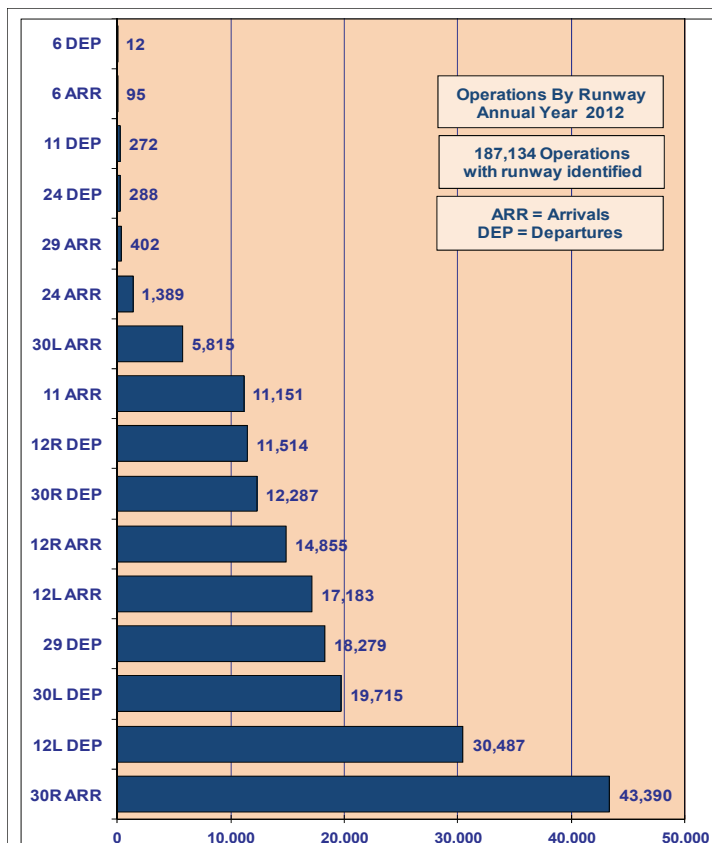
There were 730 Noise Complaints from 16 individual callers from 12 different communities.

**Number of Callers By Community
Annual Year 2012**

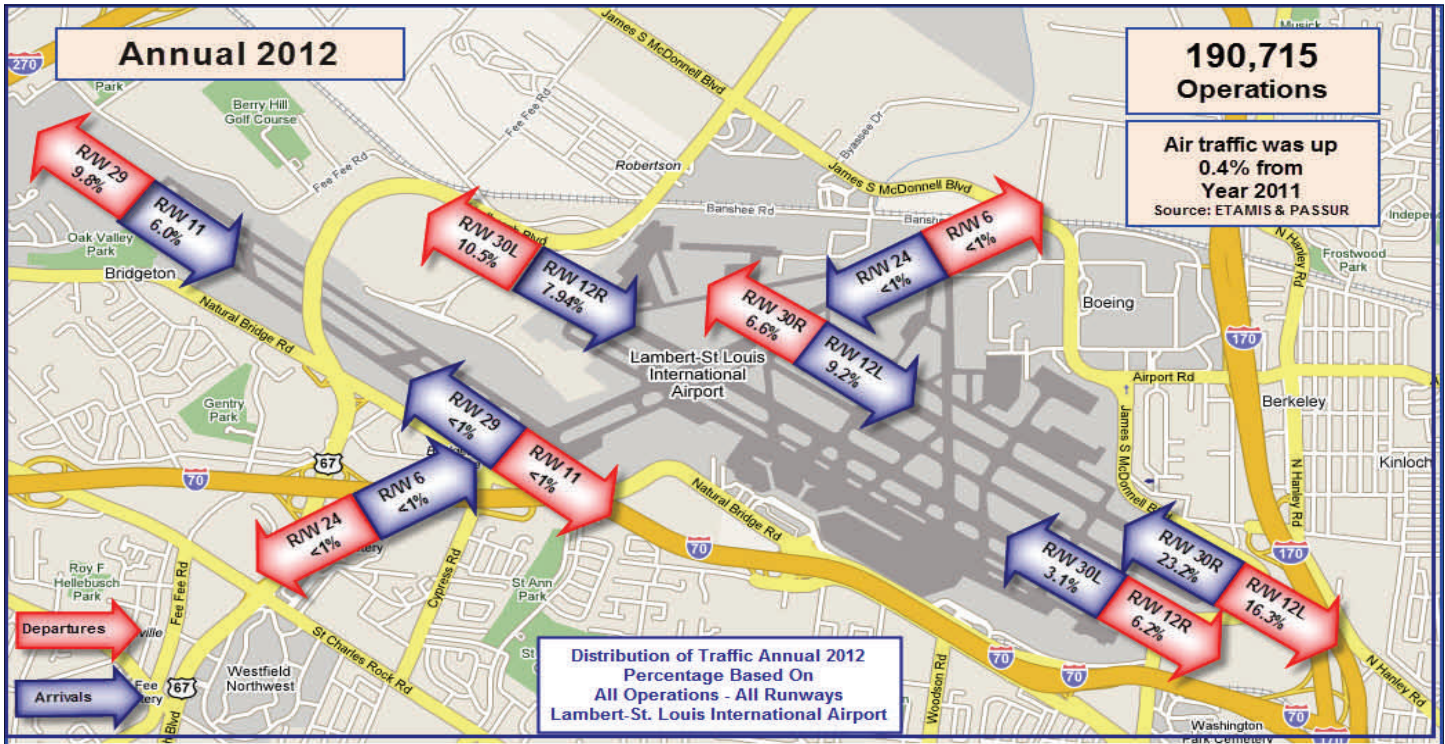


There were 730 Noise Complaints from 16 individual callers from 12 different communities.

OPERATIONS

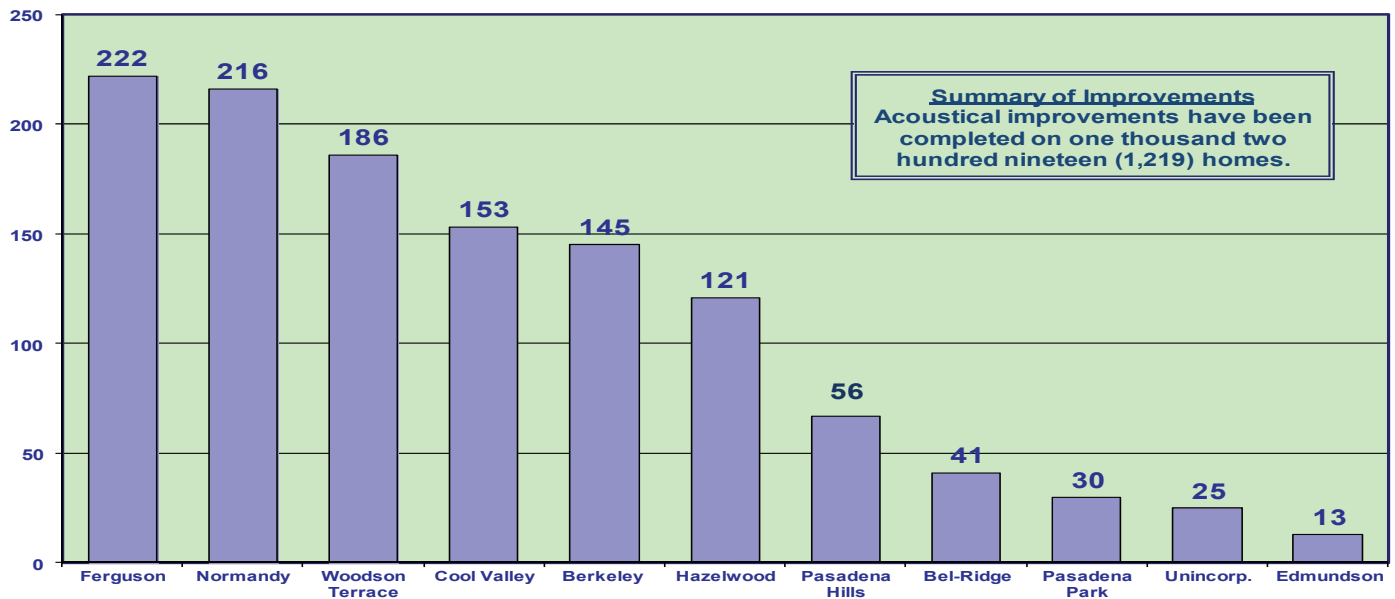


DISTRIBUTION OF TRAFFIC



RESIDENTIAL SOUND INSULATION PROGRAM

Residential Sound Insulation Program
Number of Homes Completed by Community
As of December 31, 2012



City of St. Louis Airport Authority
Lambert-St. Louis International Airport®
Airport Planning & Development Office
P.O. Box 10212
St. Louis, MO 63145

*The Public Kiosk is available for viewing
during normal business hours.*

Call 314.551.5064

For appointment.

Rhonda Hamm-Niebruegge
Director of Airports
Lambert-St. Louis International Airport®
P. O. Box 10212
St. Louis, MO 63145