

**AIRPORT NOISE
MANAGEMENT REPORT
1st Quarter 2019**



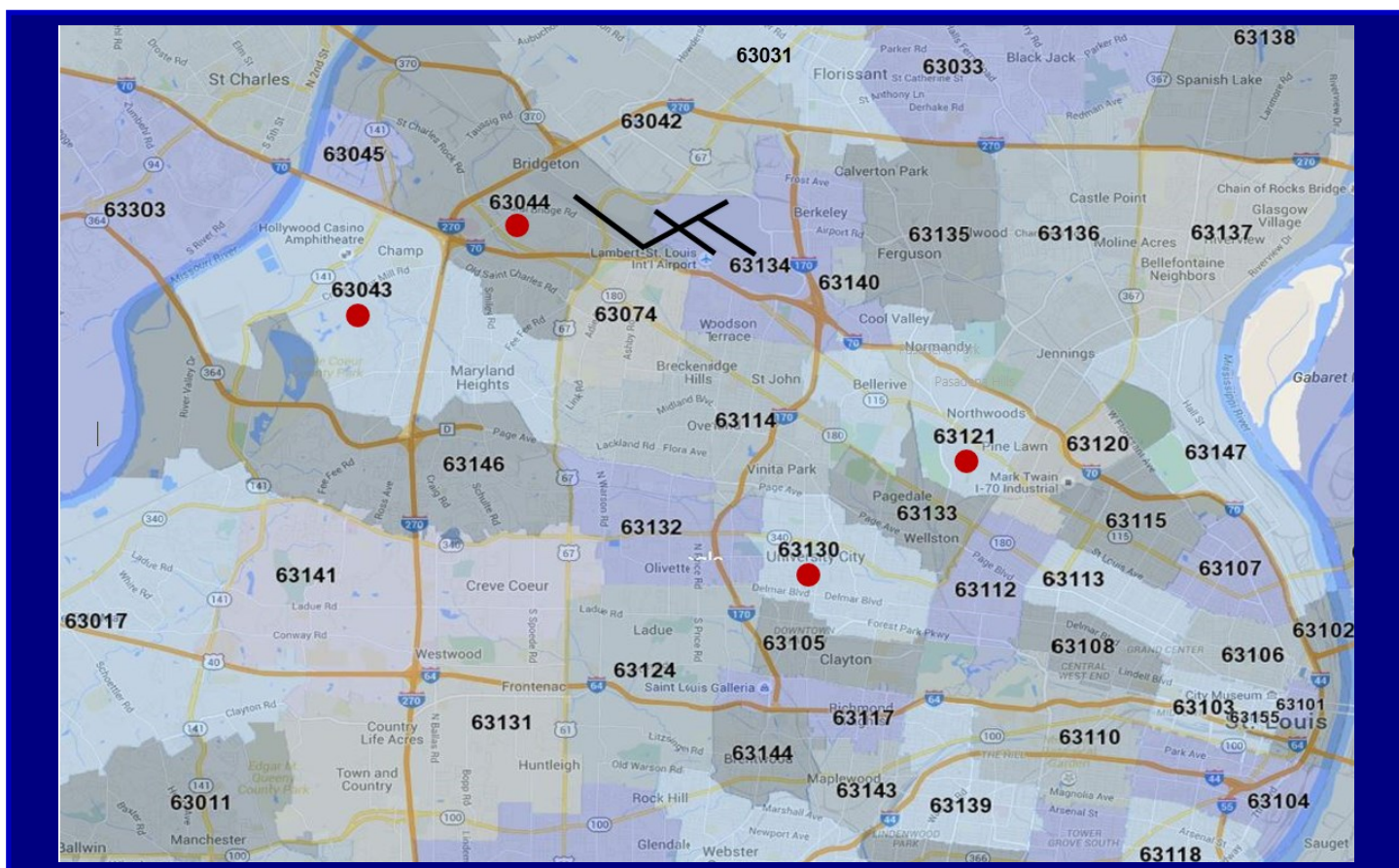
Airport Noise Management Report 1st Quarter 2019

The Airport Noise Management Report provides the 1st Quarter 2019 summary of St. Louis Lambert International Airport's operations and noise complaints. The data in this report is from Harris, Inc. and not from FAA Air Traffic. This report is illustrative of trends and distribution and should not be construed as official traffic counts.

1ST QUARTER 2019

NOISE COMPLAINTS

There were eight noise complaints received in the 1st Quarter of 2019 as compared with six complaints in 2018. The eight complaints were from four communities. Residents complained about loud and low aircraft. Three residents (from zip codes 63044, 63043, and 63130) complained about the same military departure on March 26 at approximately 4:30 am by Boeing F15s. Seven complaints were about night-time operations (10 p.m. to 7 a.m.) and one complaint was about day-time operations (7 a.m. to 10 p.m.). Landings and take-offs (operations) during the day time hours accounted for 87.7% of the operations while 13.3% of the operations occurred during the night time period. Chart below shows number of complaints by zip code.



Quarters	Zip	Calls	Zip	Calls	Zip	Calls	Zip	Calls	Zip	Calls	Zip	Calls	Zip	Calls
1st Quarter	63043	2	63044	3	63121	2	63130	1	-	-	-	-	-	-
2nd Quarter	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3rd Quarter	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4th Quarter	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Airport Noise Management 1st Quarter 2019 Report

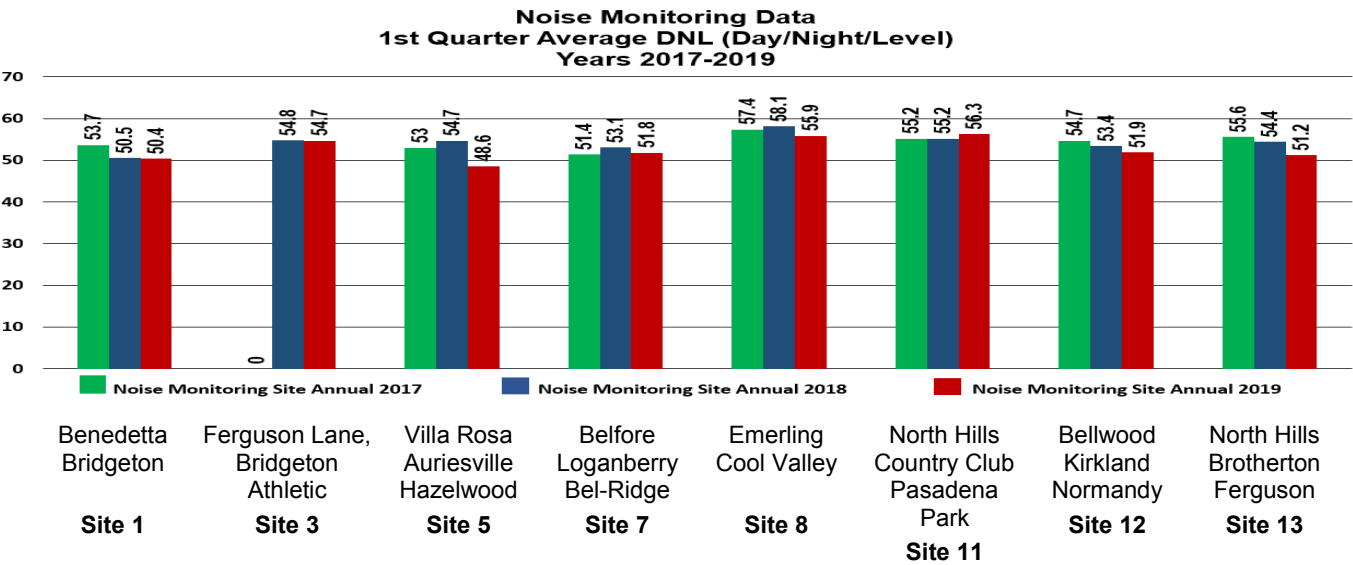
RUNWAY IDENTIFICATION

The runways at St. Louis Lambert International Airport are: 12R/30L (11,019'x200'), 12L/30R (9,003'x150'), 11/29 (9,001'x150'), and 6/24 (7,607'x150').

PERMANENT NOISE MONITORING SITES



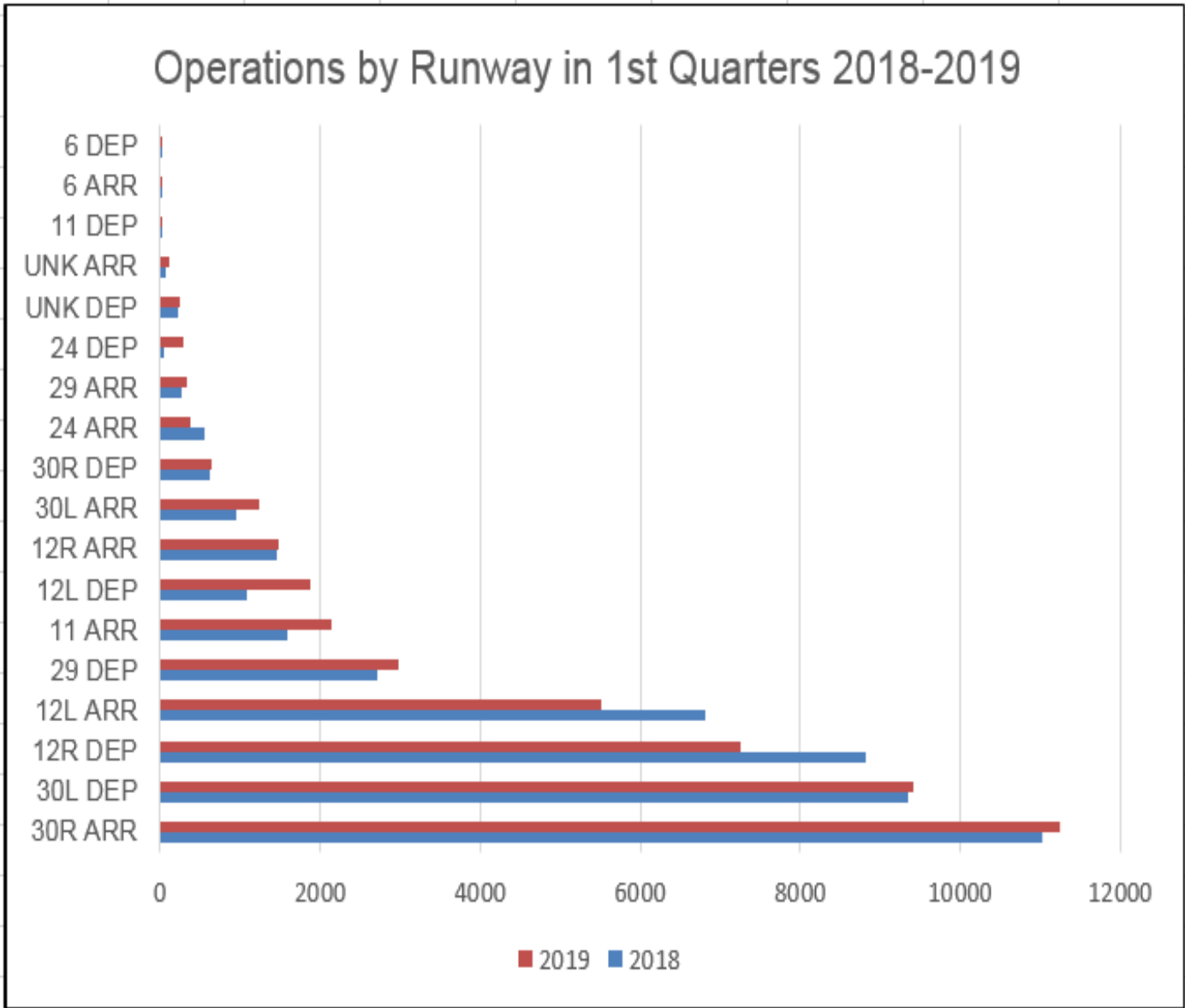
The DNL (Day-Night average sound level) metric describes the total noise exposure during a given period. In computing DNL, an extra weighting of 10dB is assigned to any sound levels occurring between the hours of 10 pm to 7 am. The FAA has established 65 DNL as the threshold above which aircraft noise is considered to be incompatible with residential use. The eight noise monitoring sites are recording levels lower than 65 DNL.



OPERATIONS BY RUNWAY

There were 45,202 operations in the 1st Quarter 2019 compared to 45,677 operations in 1st Quarter 2018, a decrease of -1.1% according to Harris data*. Runway 30R was the most utilized runway in the 1st Quarter of 2018 at 21.3% (11,025 arrivals) and the same period in 2019 at 25.1% (11,252 arrivals). Runway 30L was the most utilized runway for known departures in 1st Quarter of 2018 at 18.6% (9,344) and in the 1st Quarter of 2019 at 20.9% (9,415). In the 1st Quarter 2019, there were 44,842 (99.2%) operations in which the runway was identified and 360 operations (0.8%) where the runways were not identified.

*The Harris Airport Noise and Operation Management System (ANOMS) collects FAA air traffic data from the National Airspace System (NAS) and permanent noise monitoring data and correlates flight tracks, noise monitoring events and noise complaints. The ANOMS provides illustrative trends and should not be construed as official traffic counts.

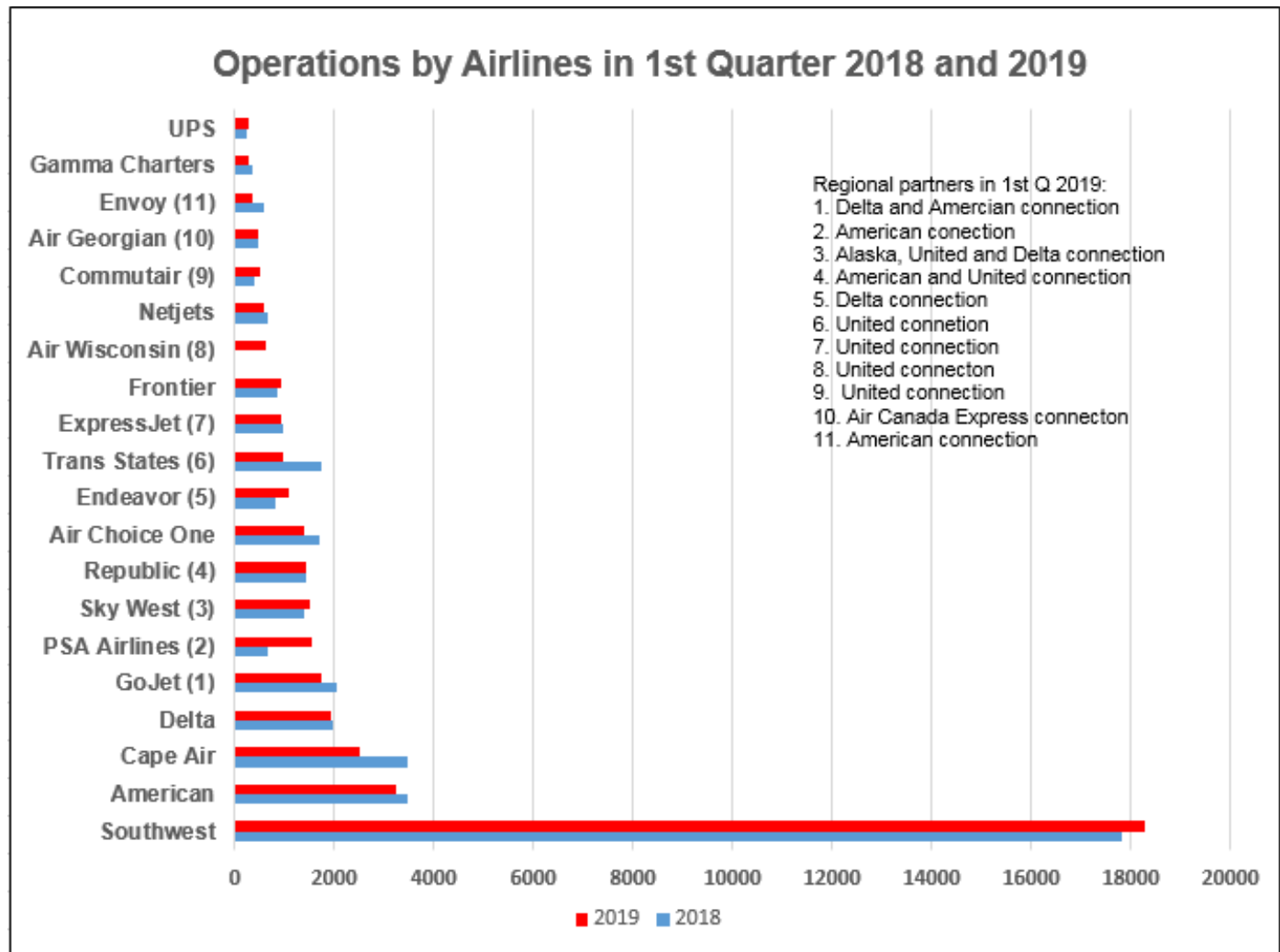


OPERATIONS BY AIRLINE

The top twenty airlines in the 1st Quarter of 2019 including major carriers, regional carriers, and general aviation business jet aircraft accounted for 92.7% of all operations. Shown in the chart below are the top 17 Part 121 airlines, the top two general aviation business charter jets (Gamma Charters and Netjets Aviation) and the top cargo carrier (UPS) for the 1st Quarter of 2019. The 2019 1st Quarter top twenty includes eleven regional commercial passenger jet airlines. Regional jets accounted for 24.6% of the operations in the 1st Quarter of 2019 and 18.4% in 2018. Southwest and Frontier at St. Louis Lambert Airport are the only major airlines that are not partnered with the regional airlines.

There were 65 Part 121 and Part 135 airlines that utilized St. Louis Lambert International Airport during this period. Part 121 airlines are commercial scheduled airlines with more than 30 seats and Part 135 airlines are planes with less than 30 seats.

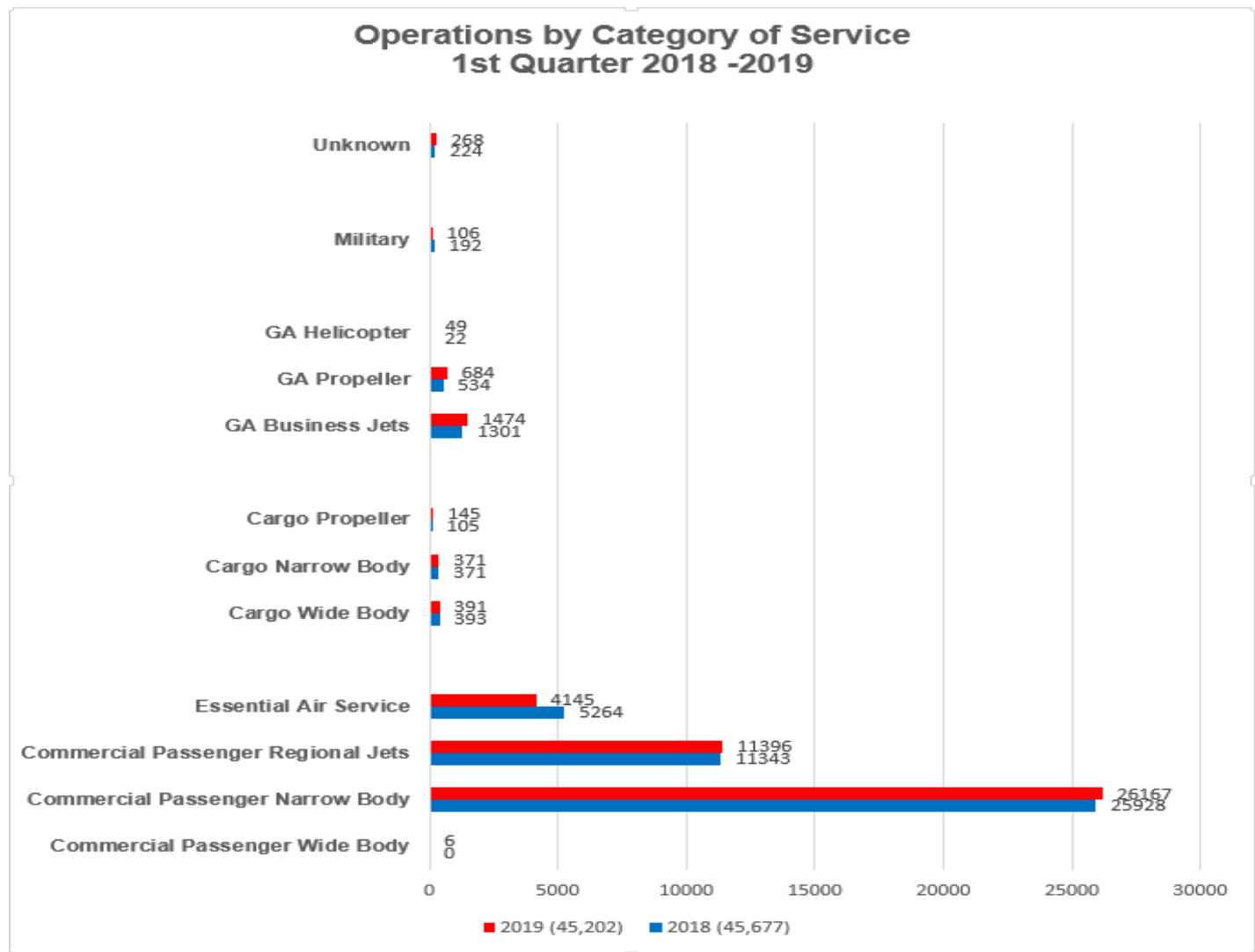
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OPERATIONS BY CATEGORY OF SERVICE

In the 1st Quarter 2019, commercial passenger regional jets were up +0.5% from 1st Quarter 2018. Essential Air Service decreased -26.9% in the 1st Quarter 2019. Beginning in January 2019, staff began including charter operations with the scheduled commercial narrow body operations. Staff has revisited the 1st Quarter of 2018 to make similar adjustments for comparison purposes. In the 1st Quarter 2019, commercial narrow body operations were up +0.9% and business jet operations (minus charters) were up +13.3%. Military operations are filtered so most operations are not reported. Overall, operations in the 1st Quarter 2019, as reported in the Harris data* were down -1.1% from 2018 partly in fact to several major snow and ice storms impacting operations on weekends. St. Louis had over 30 inches of snow in the winter 2018-2019 season as compared to the average snow fall of 17 inches.

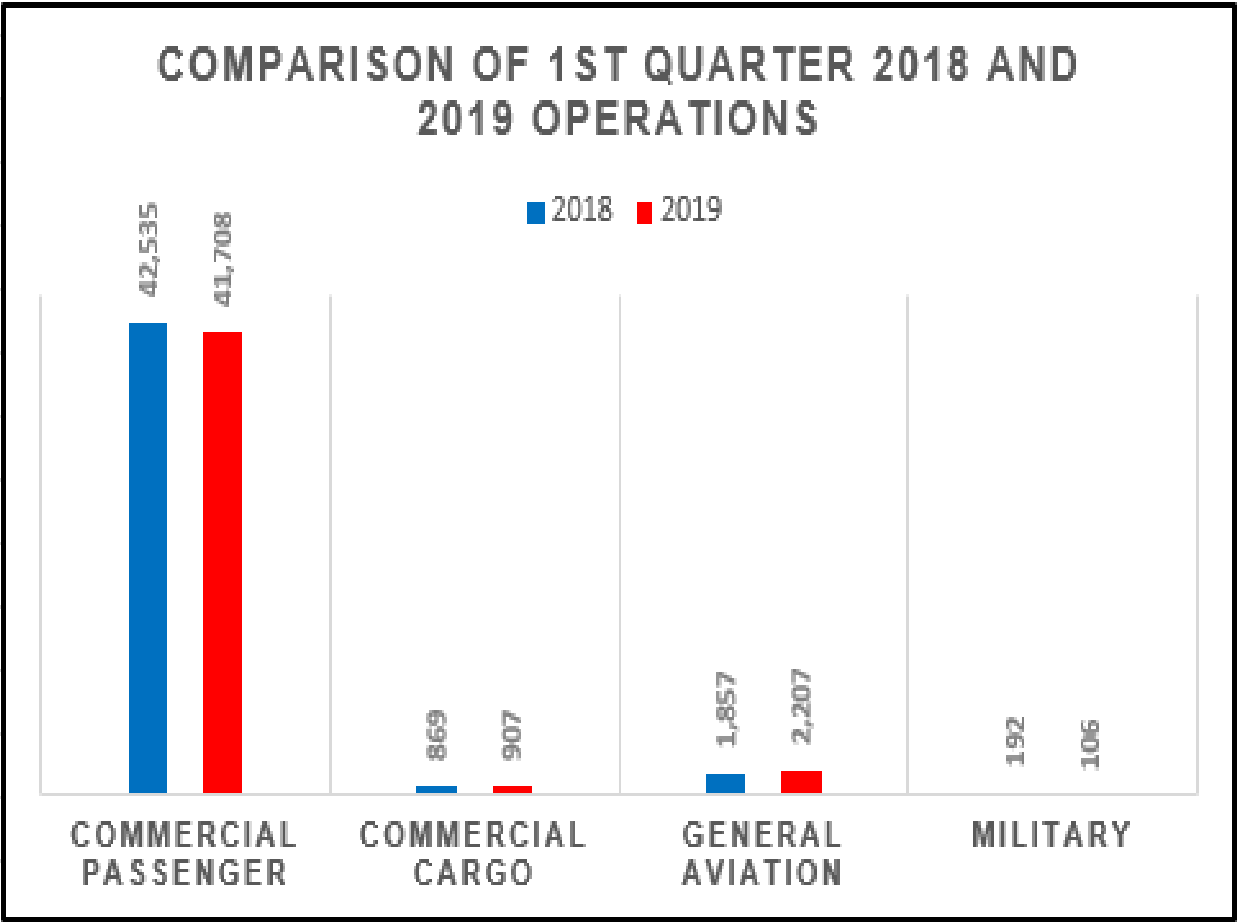
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OPERATIONS BY TYPE OF SERVICE

Commercial Passenger, Commercial Cargo, General Aviation, and Military are the four categories of operations. The Harris data* also includes unknown operations category for aircraft that were not identified by either the airline or aircraft equipment type, or both. The 1st Quarter of 2018 had a slightly higher number of operations in the category Commercial Passengers with 93.2% as compared to 1st Quarter 2019 at 92.3%. General Aviation had 4.9% of reported operations in 1st Quarter 2019 compared to the 4.1% in the same period in 2018. Commercial cargo had 2.0% in 1st Quarter 2019 compared to 1.9% in the same period in 2018. Reported Military operations were at 0.2% in the 1st Quarter of 2019, however, military operations are filtered and not all military operations are reported in the data.

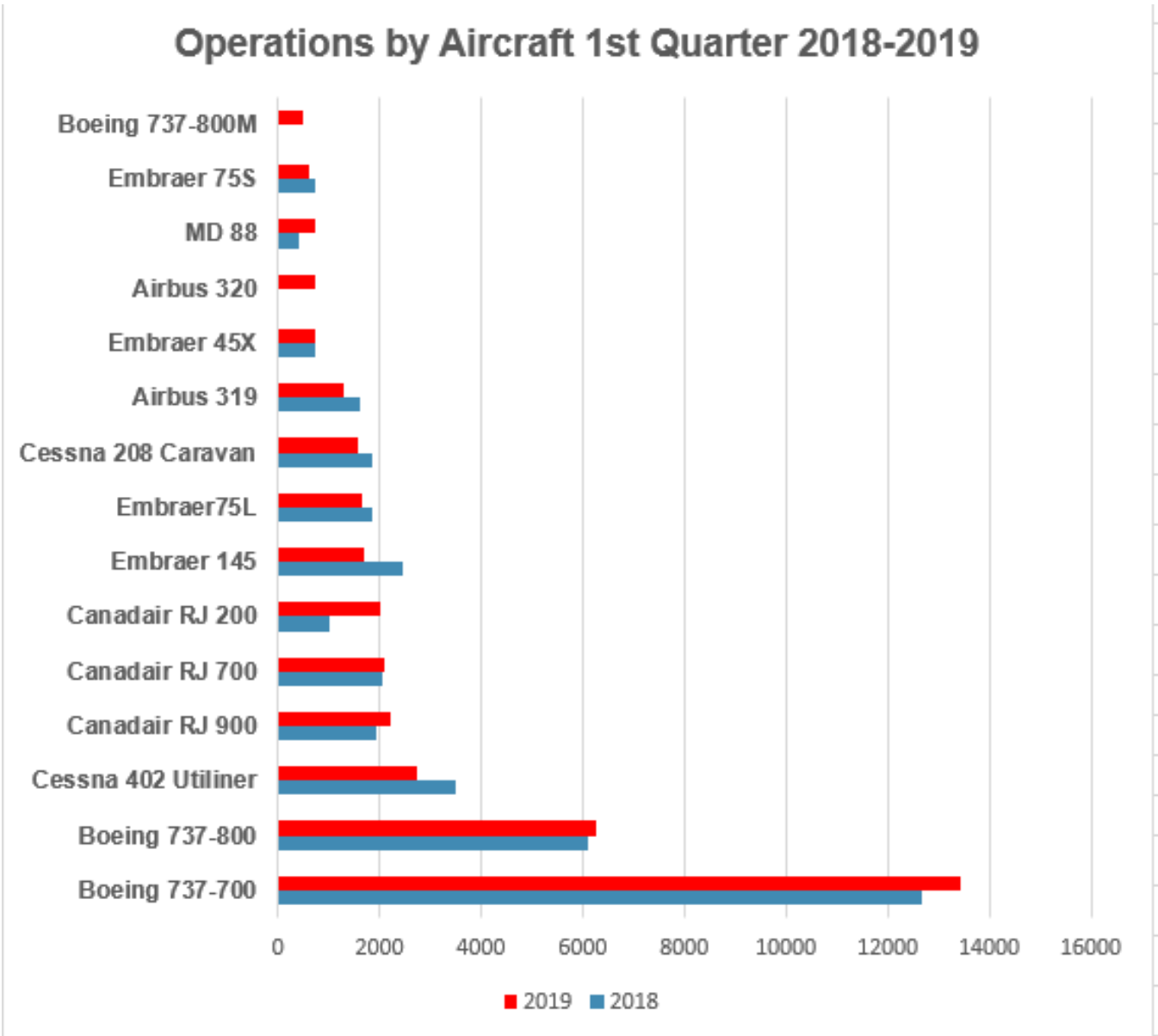
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OPERATIONS BY AIRCRAFT

Shown below are top fifteen aircraft operating at St. Louis Lambert Airport in the 1st Quarter of 2019. In the 1st Quarter of 2019, the Boeing 737-700 operations increased by 5.9% and the Boeing 737-800 increased by 2.9% from the same period in 2018. The Boeing 737-800M and the Airbus 320 were not operating at STL in the 1st Quarter of 2018. Five of the top ten aircraft at the Airport are operated by regional carriers. There were 161 different types of aircraft that landed at St. Louis Lambert International Airport during this period according to Harris data*.

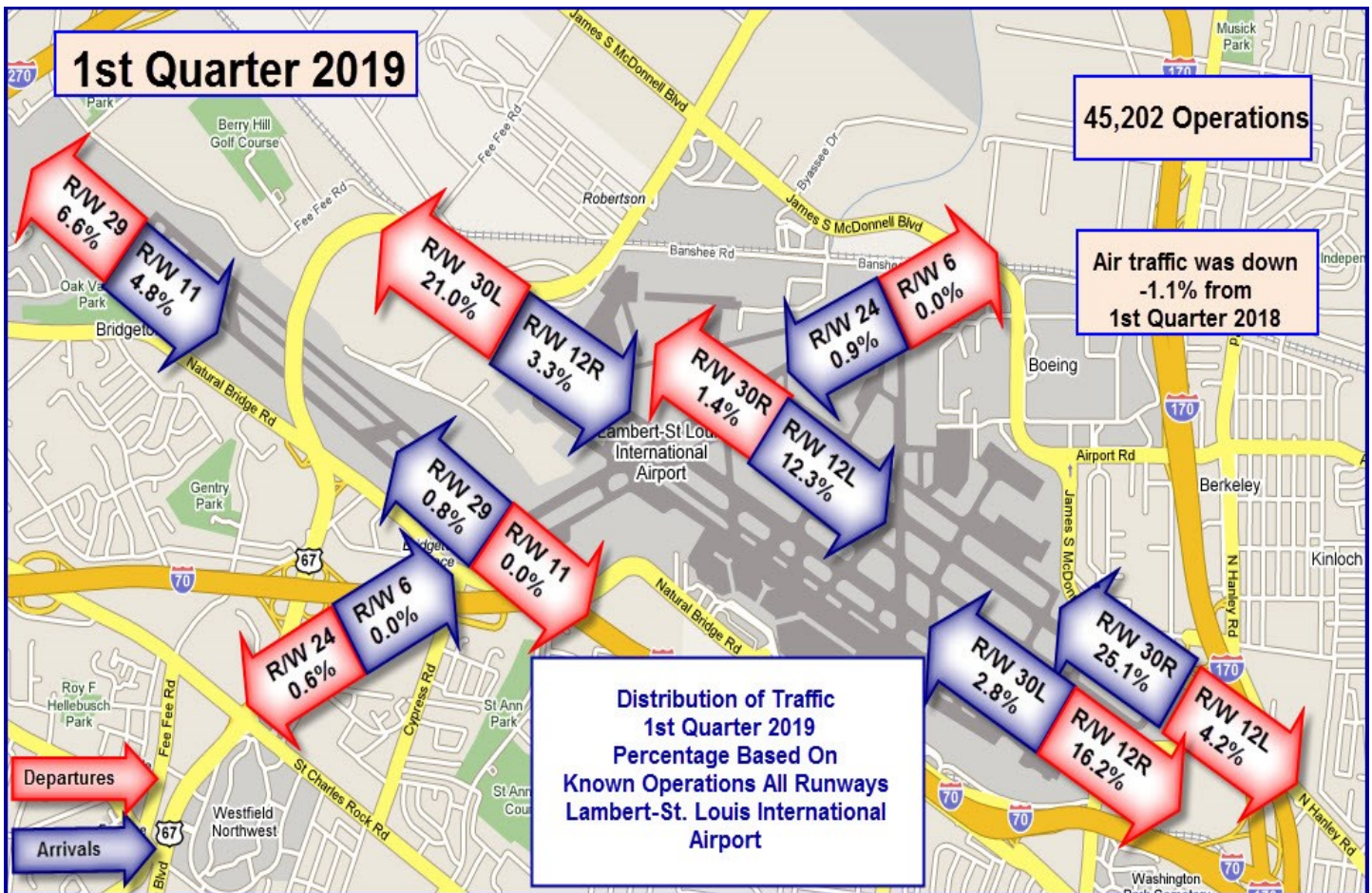
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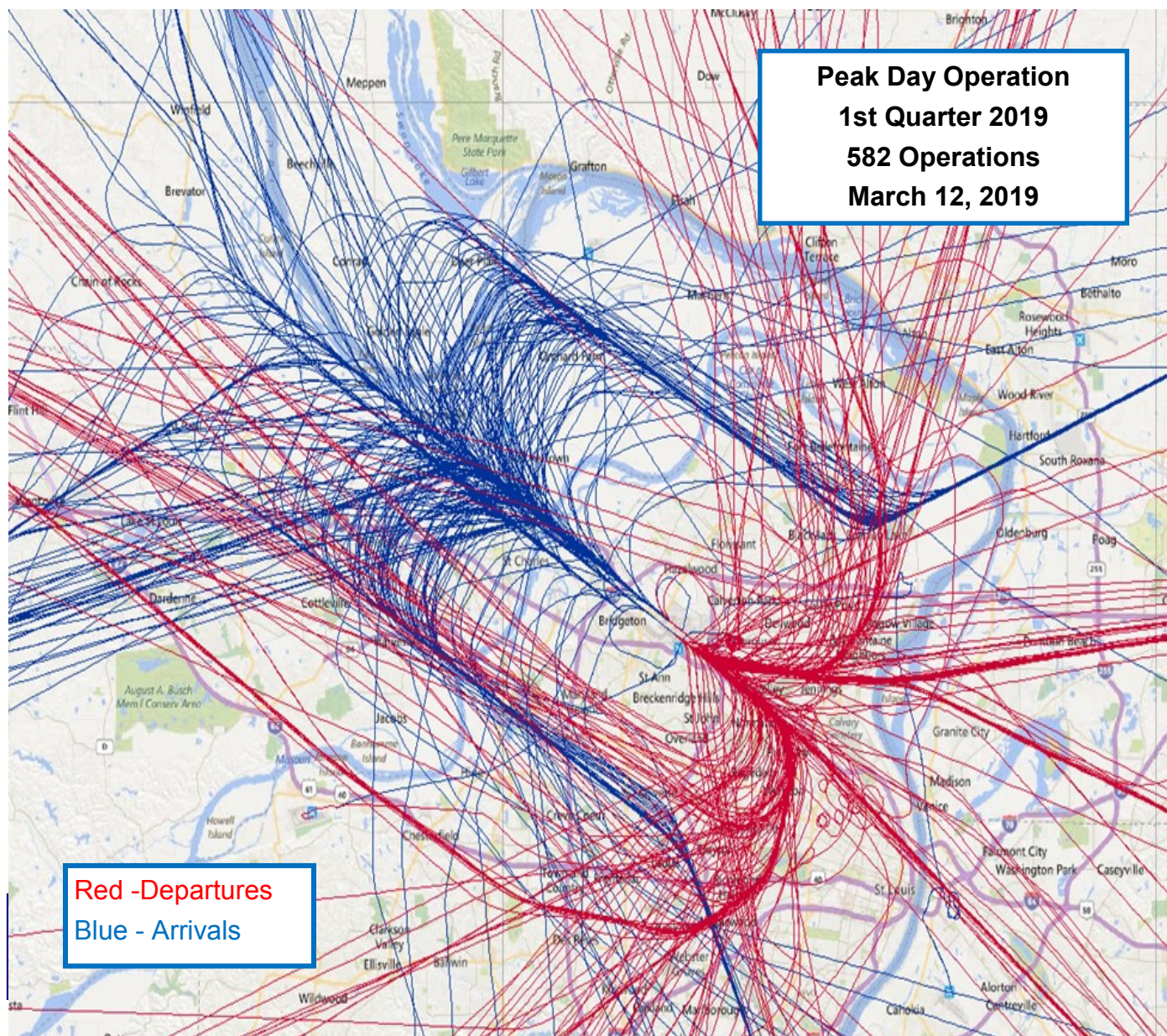
DISTRIBUTION OF TRAFFIC

There were 45,202 operations recorded in 1st Quarter of 2019 compared to 45,677 operations in 2018, a decrease of -1.1%. The decrease in operations was the result of flights being diverted or canceled because of snow or ice storms that occurred in the 1st Quarter of 2019. The chart below shows the total percentages of use for known runways for this period. The most utilized runway for departures was Runway 30L (21.0%). The most utilized runway for arrivals was Runway 30R (25.1%). The crosswind runway 6-24 was the least used runway for this period. The Distribution of Traffic (Eastbound vs. Westbound) for the 1st Quarter of 2019 was 41.3% eastbound and 58.7% westbound operations.

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1st Quarter 2019 Peak Day Operation



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