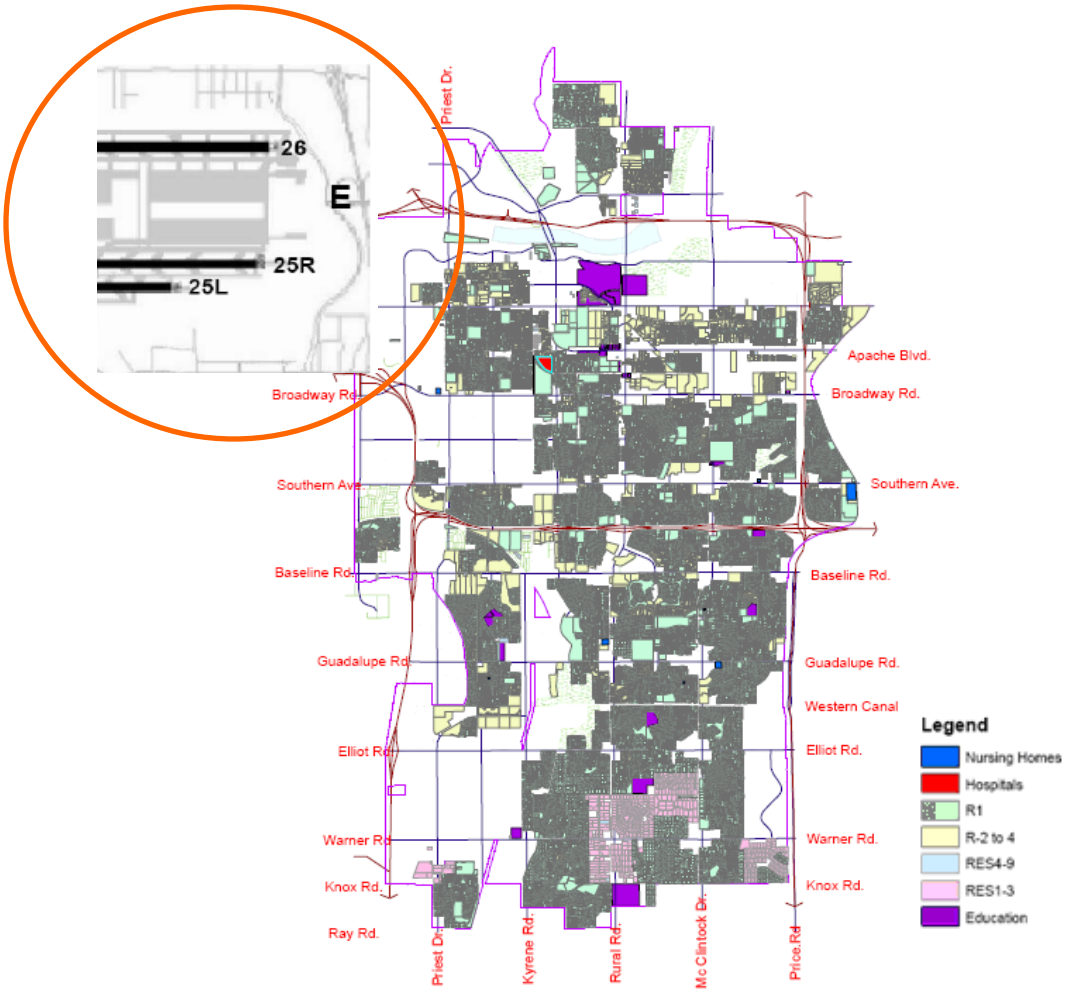
April 2012

Tempe

Flight Track Monitoring & Complaints Report

PHX East



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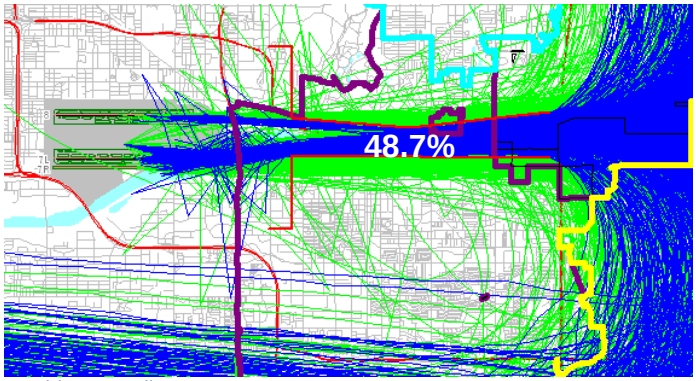
Noise Mitigation Flight Procedure Compliance:

A. PHX Gate and Tempe Corridor Compliance

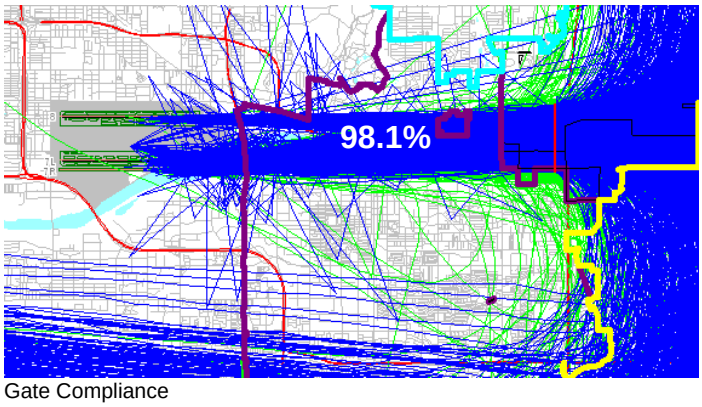
The Tempe Aviation Commission used a Standard Instrument Departure (SID) Procedure for the Phoenix Sky Harbor International Airport in place when a noise mitigation agreement was made between the City of Tempe and City of Phoenix in 1994 to develop a "Corridor" to measure how large aircraft complied with the SID procedure.



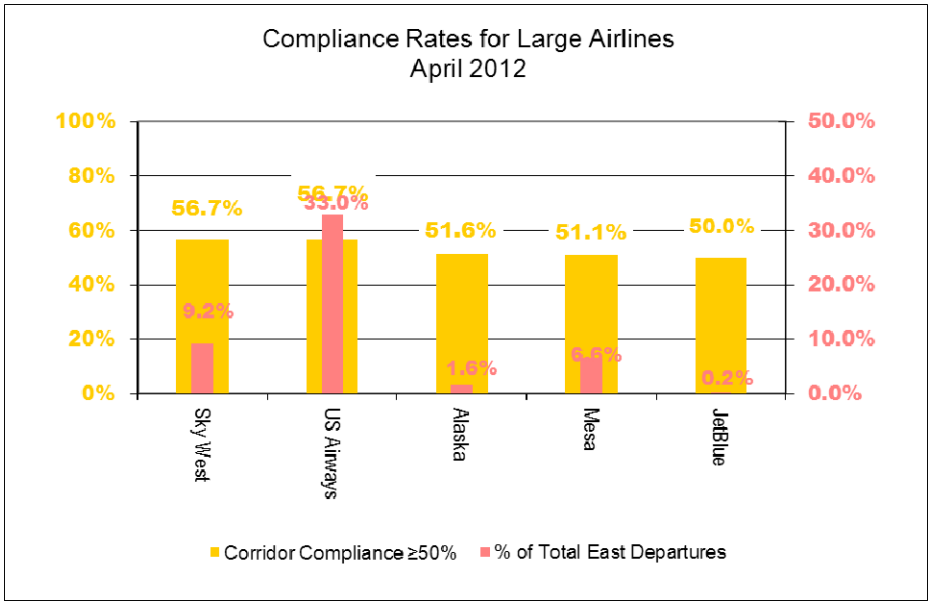
Corridor Compliance

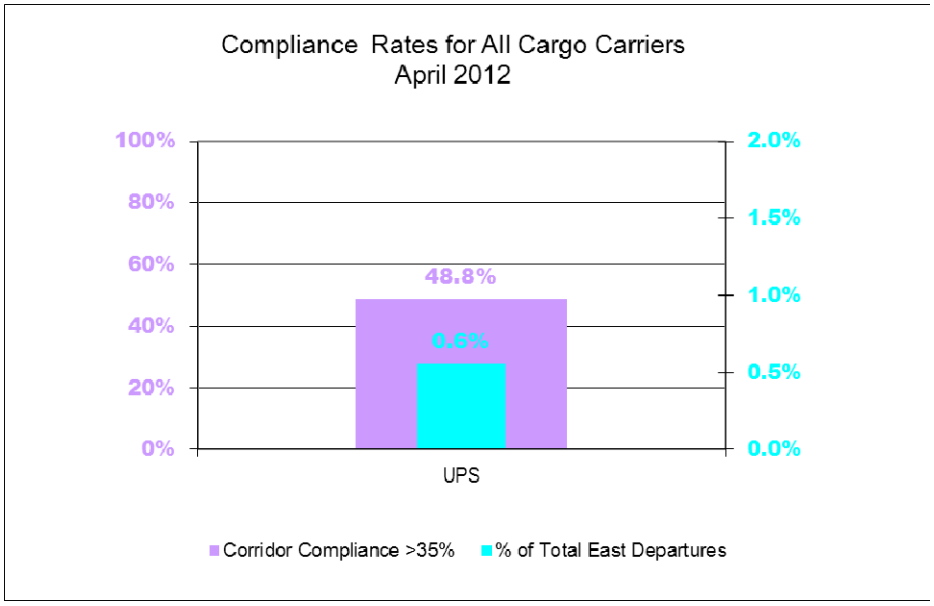
The monthly compliance rate is 48.1% with large turboprop aircraft departures included. Large turboprop aircraft are routinely departing on diagonal headings to the northeast and southeast directly after take off.

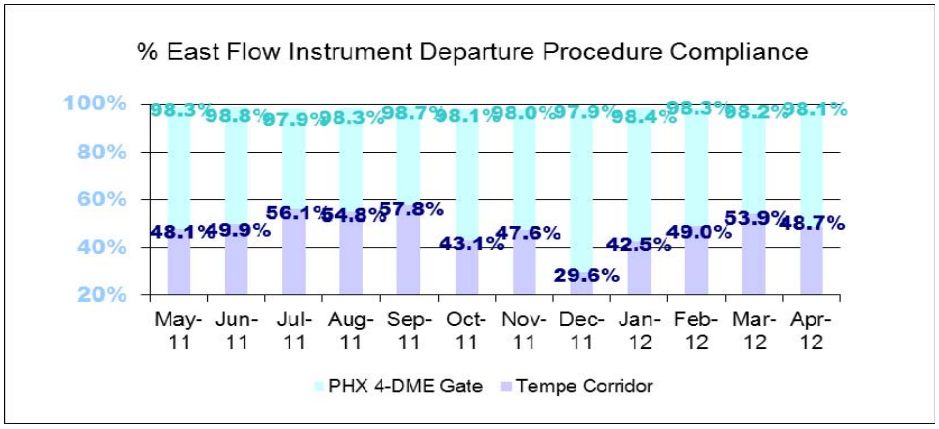
City of Phoenix did not consider the Tempe measure feasible to implement, and developed a 5,500 feet long exit "Gate" at Price Road as the official measure the airport is using to indentify turbojet aircraft that violate the SID. Notices of deviations from the City of Phoenix are issued to airlines, which aircraft make turns away from the Salt riverbed before they reach the "Gate" unless a deviation is caused by direction from air traffic control or adverse weather. Departures deviations within the times of day weather conditions were present are not counted when calculating compliance. The month had thirteen days when diverse departure headings outside the "Gate" where identified by the City of Phoenix to be influenced by turbulent air/ weather conditions. Because of a patch being added to the Standard Terminal Automation Replacement System (STARS), a lot of reflection errors appeared inside 4-DME on the flight track depictions.



Gate Compliance

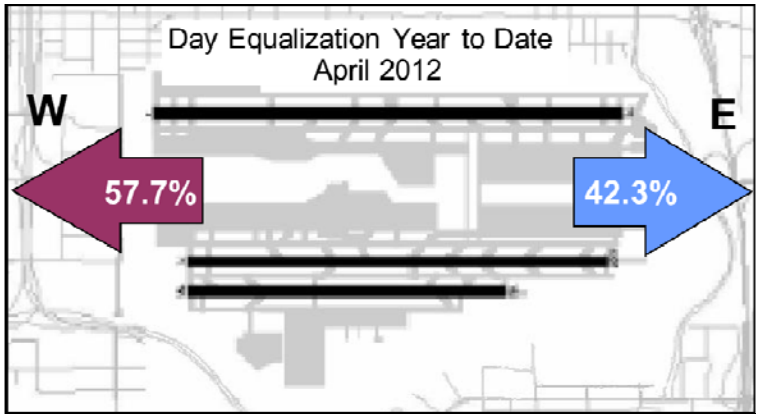


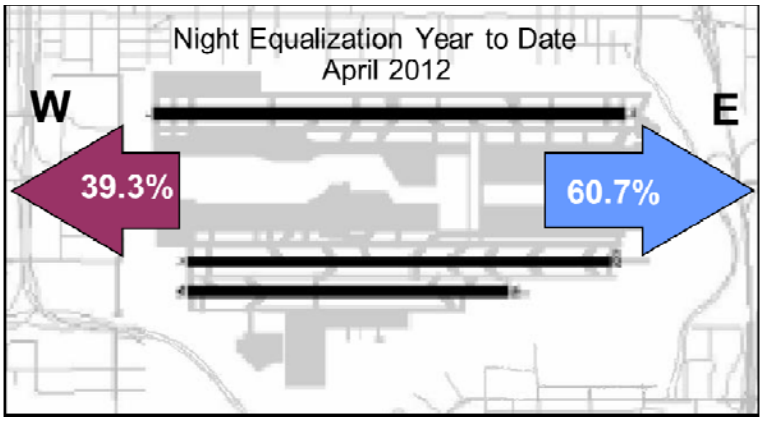


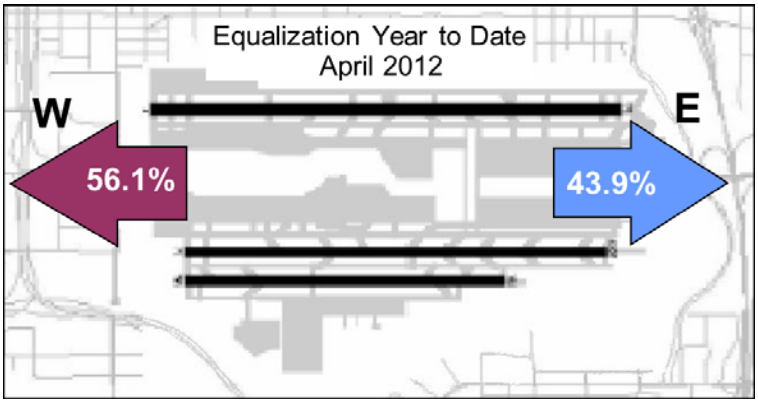


Compliance rates for airlines with 10 or more departures to the east during a month.

B. Annual Split East/West to Date



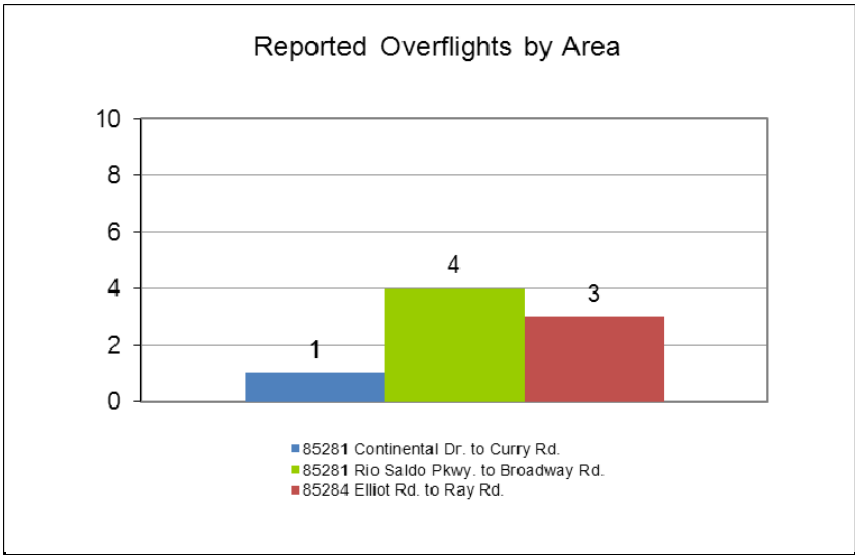




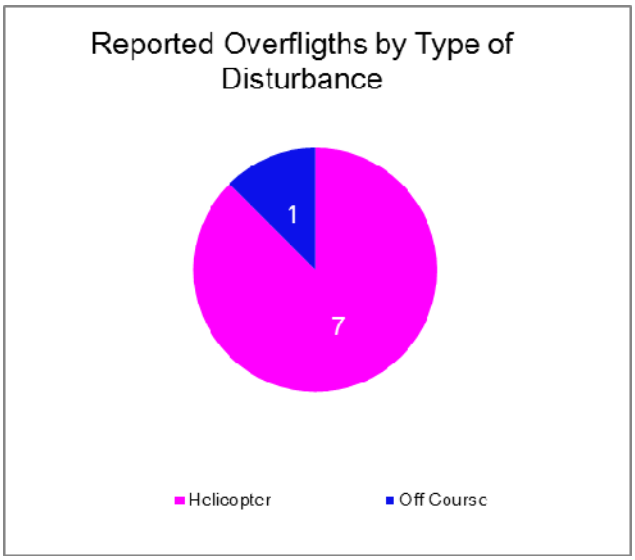
The noise mitigation agreement between the City of Tempe and the City of Phoenix calls for equalizing the noise burden from jet and large turboprop aircraft departures east and west during daytime and nighttime hours.

Noise Complaint Analysis:

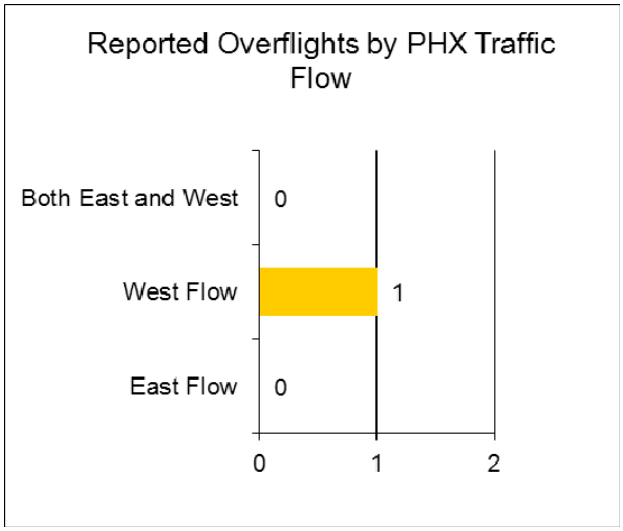
C. Complaints by Area



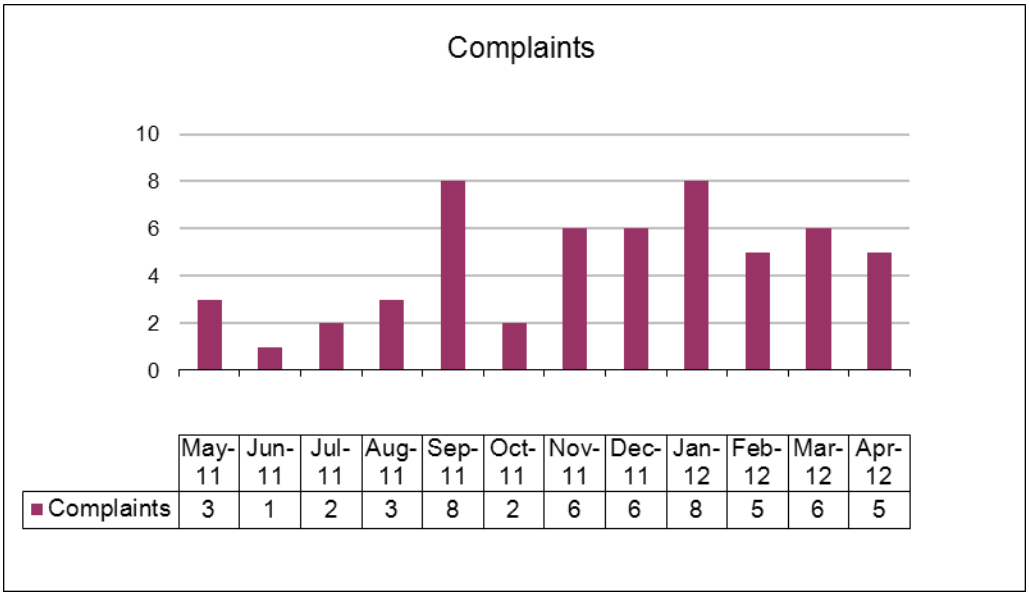
D. Complaints by Disturbance



E. Complaints by Air Traffic Flow



F. Complaints Received



	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12
Complaints	3	1	2	3	8	2	6	6	8	5	6	5

Complaints are the number of phone calls, voice-mails, and electronic messages from residents using e-mail or the "Tempe in Touch" web site's noise complaint form, http://www.tempe.gov/index.aspx?recordid=155&page=2118.