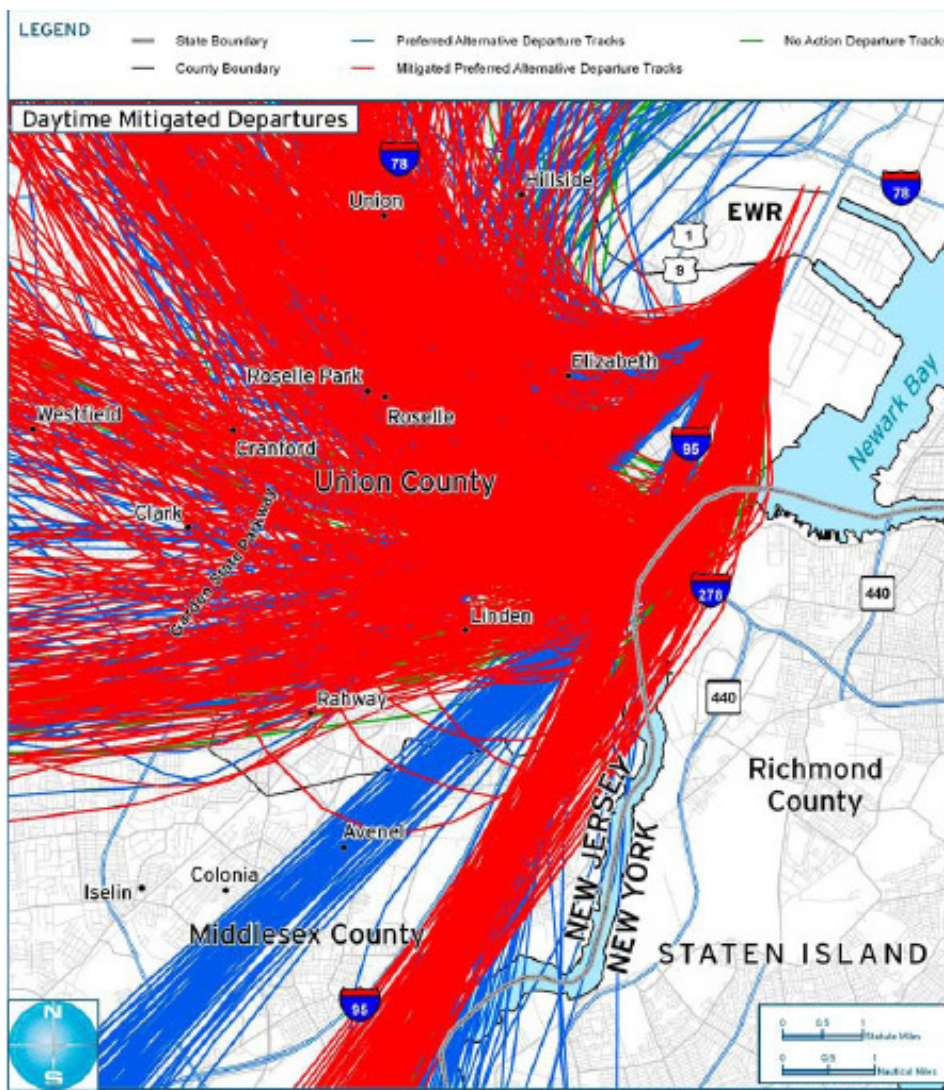


## New EWR Departure Procedures Disproportionately Impact Minority Communities

The Federal Aviation Administration's (FAA's) "fanning" proposal would shift Newark Airport departure traffic to directly over fly the residential communities in the City of Elizabeth. This plan also would implement a partial "fanning" procedure that would impact the Ironbound section of Newark and the surrounding areas (see diagrams below).

High aircraft noise exposure in the immediate vicinity of the airport increases to 100,893 residents from 53,276 residents in Union County and to 131,916 residents from 94,407 residents in Essex County—an increase of approximately 85,000 residents in both counties (see noise tables below).

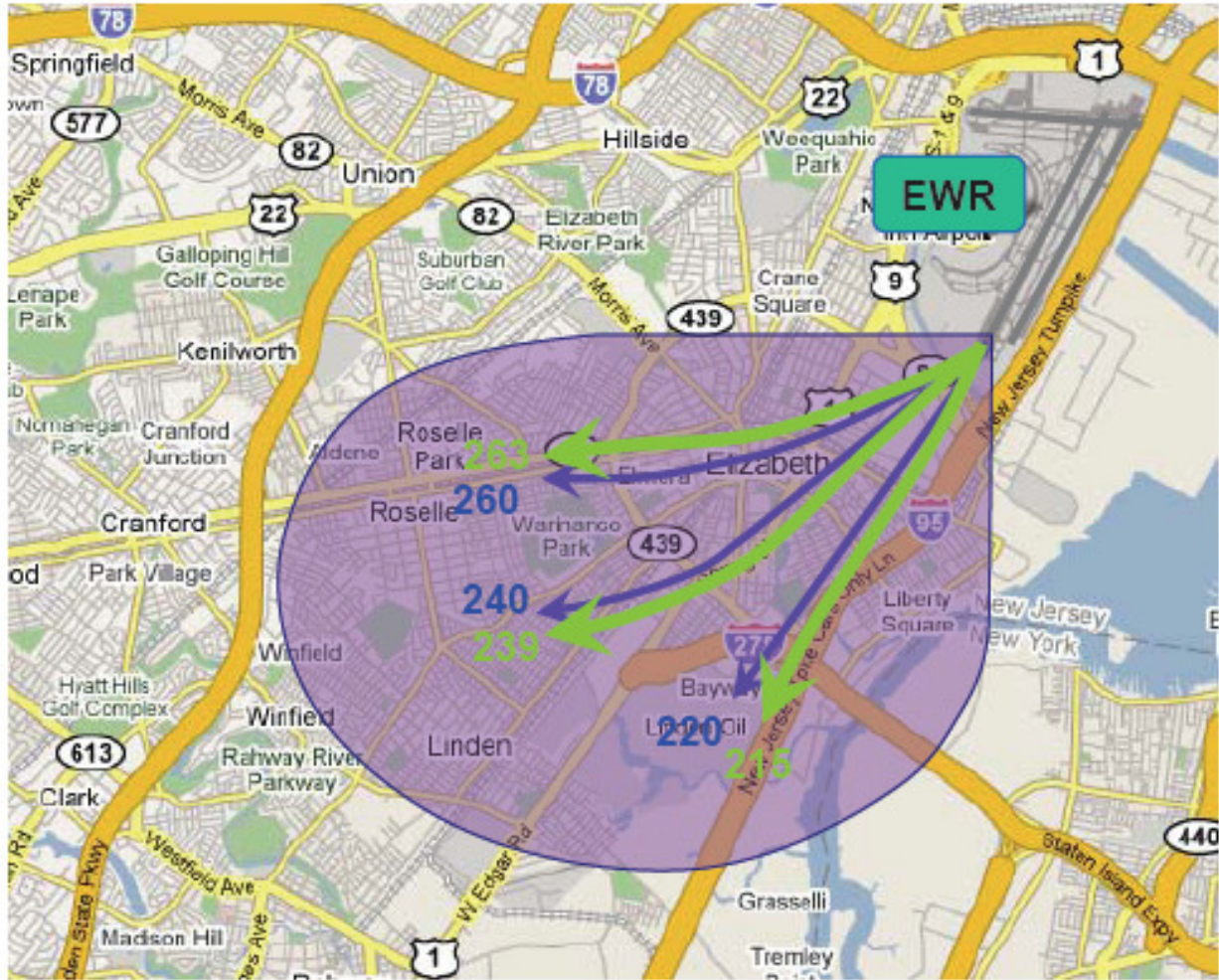
### Newark Airport Southbound Fanning Procedure



Internet Link:

[http://www.faa.gov/airports/airtraffic/air traffic/nas\\_redesign/regional\\_guidance/eastern\\_reg/nynjphl\\_redesign/feis/vol\\_2/media/fig\\_5\\_5\\_FEIS\\_EWR\\_rwy22L\\_R\\_mitigated\\_deps.pdf](http://www.faa.gov/airports/airtraffic/air%20traffic/nas_redesign/regional_guidance/eastern_reg/nynjphl_redesign/feis/vol_2/media/fig_5_5_FEIS_EWR_rwy22L_R_mitigated_deps.pdf)

## FAA Southbound Newark Fanning Procedure



Note: the previous Newark Airport noise abatement procedure (the 190 degree turn) kept traffic initially to the east of the NJ Turnpike.

Source: FAA Congressional Staffer Presentation.

## Comparison of Union County Noise Exposed Populations for FAA Alternatives

	2011 "No Action" Population	2011 "IA + ICC" +Mitigation Population
65 DNL or Higher	13,890	12,796
60 – 65 DNL	6,569	27,919
55 – 60 DNL	32,817	60,178
<b>Total</b>	<b>53, 276</b>	<b>100,893</b>

Source: FAA reports.

## FAA Northbound Newark Fanning Procedure



Source: FAA

## Comparison of Essex County Noise Exposed Populations for FAA Alternatives

	2011 "No Action"	2011 IA + ICC +Mitigation
<b>65 DNL or Higher</b>	13,625	13,987
<b>60 – 65 DNL</b>	18,108	23,557
<b>55 – 60 DNL</b>	62,674	94,372
<b>Total</b>	94,407	131,916

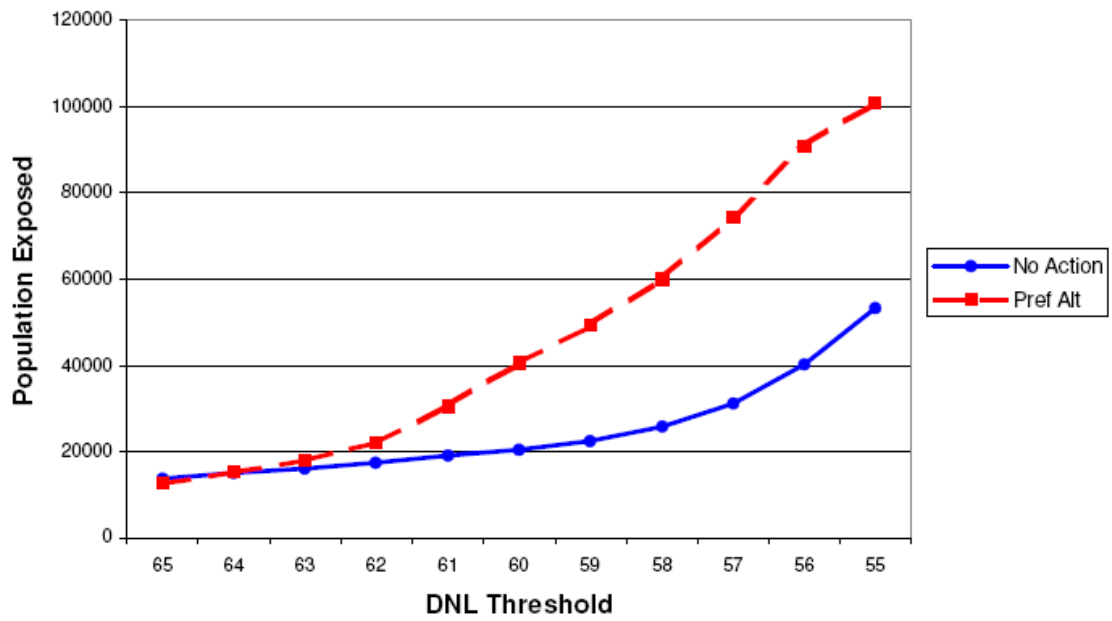
Source: FAA reports.

**Year 2011 Noise Increases for FAA Preferred Alternative  
("IA + ICC" + Mitigation) (Union County Only\*)**

<b>Town</b>	<b>Address</b>	<b>Cong. District</b>	<b>Census Block/ Tract</b>	<b>Noise "No Action"</b>	<b>Noise IA + ICC</b>	<b>Noise Increase in Decibels DNL</b>	<b>Noise Increase by Factor</b>
Elizabeth	Westminster Av & Parker Rd	10	317/2005	51.7	58.9	7.2	5.2X
Elizabeth	Cherry St. & Morris Ave &	10	318/1003	50.8	57.4	6.6	4.6X
Elizabeth	Union Ave & Morris Ave	10	319.01/1001	51.8	58.3	6.5	4.5X
Hillside	Marine Terr. & Lakeview Dr.	10	325/3010	50.4	56.6	6.2	4.2X
Elizabeth	Chestnut St & E. Broad St.	10	314/3008	52.9	59.1	6.2	4.2X
Elizabeth	Emma St & Catherine St	10	313/3000	55.6	61.6	6.0	4.0X
Elizabeth	E. Broad St & N. Broad St.	13	319.01/1007	52	57.8	5.8	3.8X
Elizabeth	Magnolia Ave & Catherine St	10	312/4002	54.9	60.5	5.6	3.6X
Elizabeth	Commerce Pl & E. Grant St.	10	308.01/1005	52.6	58.1	5.5	3.6X
Union	Travers St & Vivian Terr	10	335/1012	50.4	55.8	5.4	3.5X
Elizabeth	Monroe Ave & Louisa St	10	315/3008	54.7	60	5.3	3.4X
Elizabeth	Spring St & Elizabeth Ave	13	311/4003	54.7	59.9	5.2	3.3X
Elizabeth	Emerson Ave & Berkely Pl	10	321/1004	50.4	55.2	4.8	3.0X
Elizabeth	Cherry St & Westfield Ave	10	319.02/4000	51.8	56.4	4.6	2.9X
Elizabeth	600 Pearl Street Eliz High Sch	13	308.02/2004	53.5	58	4.5	2.8X
Elizabeth	South St & Liberty St	13	307/1000	53.5	57.7	4.2	2.6X
Hillside	Warwick Rd & Valley View Rd	10	324/3006	49.3	52.8	3.5	2.2X
Union	Huguenot Ave & Carteret Ave	7	334/1012	48.8	52.2	3.4	2.2X
Elizabeth	Fulton St & 7 <sup>th</sup> St	13	310/1001	58.5	61.6	3.1	2.0X
Union	Morris Ave & Bertram Terr	10	332/2025	48.8	51.8	3.0	2.0X

\*Results from FAA Union County census noise spreadsheets by searching for census tracts with noise increases and identifying a census block and street address with the increase shown. Each tract represents a substantial area and number of affected people.

### Union County Population Exposed vs DNL Threshold



Note: only noise increases of 1.5 decibels above 65 decibels would generate significant environmental justice impacts.