

Aircraft Noise Report (1 of 2)

Chicago O'Hare International Airport

Period: February 2018

Metric: Aircraft DNL



Site #	Community	Last 12 Months of Monitored Noise Levels											Last Feb 17	12 Month Average vs 1997 ²	Modeled 1997 Values	Modeled 2000 Values	Modeled OMP Build-Out Values	
		Mar 17	Apr 17	May 17	Jun 17	Jul 17	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18						Feb ¹ 18
1	Arlington Heights	57.2	59.6	55.8	53.7	58.6	54.4	50.7	59.3	55.2	53.4	58.3	57.4	54.0	56.9	63.0	63.0	50.5
2	Melrose Park	57.3	57.6	63.0	62.1	64.4	58.5	59.4	61.9	58.5	57.2	58.0	60.4	53.9	60.5	63.4	61.0	50.3
3	Bensenville	63.4	64.2	64.2	65.0	64.0	64.6	64.8	64.4	65.0	64.7	64.4	66.1	63.7	64.6	71.3	67.3	64.9
4	Schiller Park	56.9	58.1	57.8	58.5	57.7	57.7	56.5	56.8	57.9	55.0	55.6	56.7	55.8	57.2	62.6	62.6	58.8
5	Chicago	60.9	61.8	61.3	62.1	61.8	61.5	60.2	60.4	59.9	59.3	59.2	58.7	59.1	60.7	60.8	59.8	61.9
7	Des Plaines	51.5	51.7	52.8	51.3	53.3	52.3	51.6	50.6	52.0	53.5	50.6	51.6	49.7	52.0	65.4	62.0	48.5
8	Des Plaines	55.8	59.0	59.6	58.9	60.5	60.7	60.4	59.7	57.1	55.8	56.5	56.7	54.6	58.8	70.0	68.8	60.8
10	Rolling Meadows	53.5	56.7	58.7	55.6	55.9	54.0	54.2	54.6	51.9	50.2	46.6	46.3	52.8	54.4	59.0	60.8	48.9
11	Chicago	54.9	55.5	55.8	54.8	58.4	55.8	54.9	54.3	53.7	51.6	52.1	52.2	52.9	54.9	60.9	60.7	50.3
12	Elk Grove Village	62.4	64.6	61.9	59.3	61.0	57.4	55.9	59.9	60.0	57.8	58.6	58.4	60.4	60.4	66.7	62.1	57.6
13	Elk Grove Village	67.1	67.3	67.3	66.3	68.5	66.0	65.1	65.2	65.5	63.8	62.4	62.9	64.5	66.0	80.0	77.6	64.6
14	Elk Grove Village	60.1	60.3	58.5	--	60.5	56.8	53.0	57.0	57.4	58.0	58.0	55.5	58.8	58.2	67.6	65.7	54.5
15	Franklin Park	53.5	54.1	54.4	52.4	53.3	52.1	51.7	52.1	52.8	51.2	50.4	51.8	50.3	52.6	64.1	62.6	53.6
16	Franklin Park	61.6	62.2	63.0	64.3	63.1	64.5	63.4	64.6	65.6	66.3	65.1	63.2	62.3	64.1	72.2	72.1	63.4
17	Harwood Heights	63.2	64.6	63.2	63.9	64.3	63.6	62.8	63.6	63.8	62.9	62.2	61.6	62.6	63.4	66.4	65.4	57.9
18	Norridge	--	--	--	--	--	--	--	--	--	--	57.4	57.7	--	--	n/a	n/a	n/a
19	Stone Park	52.6	53.7	54.2	53.6	54.2	54.9	52.5	54.5	56.0	54.9	54.4	53.2	54.4	54.2	64.7	61.7	51.6

-- Data unavailable.

n/a - Not Applicable

1. **Red** represents an increase of 1 dB or more from the same month of the previous year (6 monitors). **Green** represents a decrease of 1dB or more from the same month of the previous year (5 monitors).
2. **Red** represents an increase of 1 dB or more from the modeled 1997 noise contour level (0 monitors). **Green** represents a decrease of 1dB or more from the modeled 1997 noise contour level (16 monitors).
3. The following 3 monitor-days were excluded due to high community noise values: Site 1 (20); Site 3 (22); Site 14 (25).
4. The following 2 monitor-days were not available due to malfunction: Site 3 (7, 9).
5. Data is included for all days where data is collected for greater than 90% of the day.

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		Mar 17	Apr 17	May 17	Jun 17	Jul 17	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18						Feb ¹ 18
20	Mount Prospect	52.5	53.7	53.1	52.2	53.1	52.5	49.5	47.2	52.3	55.8	55.7	56.1	51.4	53.4	63.5	62.4	49.1
21	Mount Prospect	49.1	53.3	52.3	53.4	53.7	50.7	49.9	50.0	54.5	52.3	48.3	49.1	49.6	51.8	59.6	58.6	53.6
22	Norridge	66.0	66.9	66.4	66.2	67.3	66.3	65.4	66.4	65.9	64.5	64.0	63.7	64.6	65.9	69.2	67.7	59.2
23	Northlake	61.3	61.9	62.2	63.8	63.4	65.0	64.0	63.4	63.4	63.8	62.8	62.4	62.0	63.2	73.5	69.1	59.6
24	Park Ridge	54.4	56.5	57.1	53.6	56.6	56.3	54.5	55.4	52.2	49.8	49.3	49.1	50.9	54.5	60.3	58.8	50.6
25	Park Ridge	63.5	64.4	63.9	61.6	63.9	63.7	62.4	63.1	62.8	59.1	60.6	60.4	60.8	62.7	69.1	61.8	66.7
26	Park Ridge	58.8	59.6	59.9	57.5	60.0	58.9	57.0	58.5	58.5	56.0	55.8	55.7	55.8	58.3	64.0	61.2	59.5
27	Rosemont	70.2	70.7	70.6	68.6	70.1	69.6	69.3	69.3	69.3	66.2	67.2	67.9	67.4	69.3	73.0	67.6	70.2
28	Schiller Park	75.3	75.8	75.2	74.8	75.6	74.7	73.7	75.2	75.0	74.3	73.9	73.2	74.0	74.8	79.6	78.7	67.9
29	Wood Dale	67.9	67.8	68.0	66.9	67.8	67.2	67.2	67.4	66.0	64.1	63.7	65.2	64.9	66.8	n/a	n/a	65.1
30	Wood Dale	58.2	58.1	57.7	58.8	58.2	57.9	57.4	57.9	58.7	58.1	57.5	57.4	58.9	58.0	n/a	n/a	58.5
32	Wood Dale	63.7	64.6	64.8	66.6	65.6	66.3	66.0	67.4	66.4	66.1	65.7	65.4	65.4	65.8	71.2	66.4	63.8
33	Park Ridge	61.6	62.5	63.6	63.7	63.5	63.8	62.2	63.8	63.6	62.9	62.4	61.8	61.4	63.0	n/a	n/a	61.9
34	Elk Grove Village	56.9	58.1	58.6	60.8	58.6	59.5	57.5	59.9	59.1	57.9	57.2	57.3	57.7	58.6	66.3	61.2	61.4
35	Unincorporated Cook	57.0	57.5	58.1	58.5	58.5	59.5	57.0	59.1	59.6	58.7	57.6	57.5	57.5	58.3	70.8	65.4	54.7
37	Mount Prospect	47.3	50.4	54.4	52.6	55.9	55.8	55.6	52.0	52.1	46.9	47.6	48.8	46.9	52.7	55.1	57.0	50.5
42	Chicago	58.0	58.7	59.5	59.4	60.0	59.9	59.2	59.9	60.2	58.5	59.4	57.9	57.9	59.3	n/a	n/a	n/a
44	Itasca	--	--	--	--	--	--	--	--	--	--	60.4	62.3	--	--	n/a	n/a	n/a

-- Data unavailable.

n/a - Not Applicable

1. **Red** represents an increase of 1 dB or more from the same month of the previous year (2 monitors). **Green** represents a decrease of 1dB or more from the same month of the previous year (2 monitors).

2. **Red** represents an increase of 1 dB or more from the modeled 1997 noise contour level (0 monitors). **Green** represents a decrease of 1dB or more from the modeled 1997 noise contour level (13 monitors).

3. Data is included for all days where data is collected for greater than 90% of the day.