

Aircraft Noise Report (1 of 2)

Chicago O'Hare International Airport

Period: April 2018

Metric: Aircraft DNL



Site #	Community	Last 12 Months of Monitored Noise Levels											Last Apr 17	12 Month Average vs 1997 ²	Modeled 1997 Values	Modeled 2000 Values	Modeled OMP Build-Out Values	
		May 17	Jun 17	Jul 17	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18						Apr ¹ 18
1	Arlington Heights	55.8	53.7	58.6	54.4	50.7	59.3	55.2	53.4	58.3	57.4	56.9	55.7	59.6	56.4	63.0	63.0	50.5
2	Melrose Park	63.0	62.1	64.4	58.5	59.4	61.9	58.5	57.2	58.0	60.4	58.8	63.6	57.6	61.1	63.4	61.0	50.3
3	Bensenville	64.2	65.0	64.0	64.6	64.8	64.4	65.0	64.7	64.4	66.1	61.0	57.3	64.2	64.2	71.3	67.3	64.9
4	Schiller Park	57.8	58.5	57.7	57.7	56.5	56.8	57.9	55.0	55.6	56.7	58.2	58.1	58.1	57.3	62.6	62.6	58.8
5	Chicago	61.3	62.1	61.8	61.5	60.2	60.4	59.9	59.3	59.2	58.7	57.6	59.3	61.8	60.3	60.8	59.8	61.9
7	Des Plaines	52.8	51.3	53.3	52.3	51.6	50.6	52.0	53.5	50.6	51.6	52.2	52.3	51.7	52.1	65.4	62.0	48.5
8	Des Plaines	59.6	58.9	60.5	60.7	60.4	59.7	57.1	55.8	56.5	56.7	58.1	58.5	59.0	58.8	70.0	68.8	60.8
10	Rolling Meadows	58.7	55.6	55.9	54.0	54.2	54.6	51.9	50.2	46.6	46.3	45.0	50.1	56.7	53.6	59.0	60.8	48.9
11	Chicago	55.8	54.8	58.4	55.8	54.9	54.3	53.7	51.6	52.1	52.2	55.3	55.2	55.5	54.9	60.9	60.7	50.3
12	Elk Grove Village	61.9	59.3	61.0	57.4	55.9	59.9	60.0	57.8	58.6	58.4	60.4	60.6	64.6	59.6	66.7	62.1	57.6
13	Elk Grove Village	67.3	66.3	68.5	66.0	65.1	65.2	65.5	63.8	62.4	62.9	65.9	65.7	67.3	65.7	80.0	77.6	64.6
14	Elk Grove Village	58.5	--	60.5	56.8	53.0	57.0	57.4	58.0	58.0	55.5	54.1	56.3	60.3	57.3	67.6	65.7	54.5
15	Franklin Park	54.4	52.4	53.3	52.1	51.7	52.1	52.8	51.2	50.4	51.8	54.2	53.7	54.1	52.7	64.1	62.6	53.6
16	Franklin Park	63.0	64.3	63.1	64.5	63.4	64.6	65.6	66.3	65.1	63.2	62.5	64.0	62.2	64.3	72.2	72.1	63.4
17	Harwood Heights	63.2	63.9	64.3	63.6	62.8	63.6	63.8	62.9	62.2	61.6	62.2	63.1	64.6	63.2	66.4	65.4	57.9
18	Norridge	--	--	--	--	--	--	--	--	57.4	57.7	60.1	60.3	--	--	n/a	n/a	n/a
19	Stone Park	54.2	53.6	54.2	54.9	52.5	54.5	56.0	54.9	54.4	53.2	53.1	53.0	53.7	54.1	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 (2 monitors). **Green** represents a decrease of 1dB or more from the same month of the previous year (8 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 8 monitor-days were excluded due to high community noise values: Site 1 (8, 14); Site 3 (8, 16); Site 11 (8), Site 12 (8), Site 14 (8, 14).
4. The following 3 monitor-days were not available due to malfunction: Site 1 (15); Site 3 (15, 23).
5. Data is included for all days where data is collected for greater than 90% of the day.

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Site #	Community	Last 12 Months of Monitored Noise Levels											Last Apr 17	12 Month Average vs 1997 ²	Modeled 1997 Values	Modeled 2000 Values	Modeled OMP Build-Out Values	
		May 17	Jun 17	Jul 17	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18						Apr ¹ 18
20	Mount Prospect	53.7	53.1	52.2	53.1	52.5	49.5	47.2	52.3	55.8	55.7	52.5	54.3	52.5	53.2	63.5	62.4	49.1
21	Mount Prospect	53.3	52.3	53.4	53.7	50.7	49.9	50.0	54.5	52.3	48.3	49.2	50.8	49.1	51.9	59.6	58.6	53.6
22	Norridge	66.9	66.4	66.2	67.3	66.3	65.4	66.4	65.9	64.5	64.0	64.6	65.3	66.0	65.9	69.2	67.7	59.2
23	Northlake	61.9	62.2	63.8	63.4	65.0	64.0	63.4	63.4	63.8	62.8	61.2	61.6	61.3	63.2	73.5	69.1	59.6
24	Park Ridge	56.5	57.1	53.6	56.6	56.3	54.5	55.4	52.2	49.8	49.3	55.1	53.8	54.4	54.8	60.3	58.8	50.6
25	Park Ridge	64.4	63.9	61.6	63.9	63.7	62.4	63.1	62.8	59.1	60.6	63.4	62.8	63.5	62.9	69.1	61.8	66.7
26	Park Ridge	59.6	59.9	57.5	60.0	58.9	57.0	58.5	58.5	56.0	55.8	58.6	57.8	58.8	58.4	64.0	61.2	59.5
27	Rosemont	70.7	70.6	68.6	70.1	69.6	69.3	69.3	69.3	66.2	67.2	70.7	69.9	70.2	69.5	73.0	67.6	70.2
28	Schiller Park	75.8	75.2	74.8	75.6	74.7	73.7	75.2	75.0	74.3	73.9	74.2	75.0	75.3	74.8	79.6	78.7	67.9
29	Wood Dale	67.8	68.0	66.9	67.8	67.2	67.2	67.4	66.0	64.1	63.7	67.8	67.5	67.9	67.0	n/a	n/a	65.1
30	Wood Dale	58.1	57.7	58.8	58.2	57.9	57.4	57.9	58.7	58.1	57.5	57.3	57.8	58.2	58.0	n/a	n/a	58.5
32	Wood Dale	64.6	64.8	66.6	65.6	66.3	66.0	67.4	66.4	66.1	65.7	62.2	64.8	63.7	65.7	71.2	66.4	63.8
33	Park Ridge	62.5	63.6	63.7	63.5	63.8	62.2	63.8	63.6	62.9	62.4	61.6	62.5	61.6	63.1	n/a	n/a	61.9
34	Elk Grove Village	58.1	58.6	60.8	58.6	59.5	57.5	59.9	59.1	57.9	57.2	55.8	57.7	56.9	58.6	66.3	61.2	61.4
35	Unincorporated Cook	57.5	58.1	58.5	58.5	59.5	57.0	59.1	59.6	58.7	57.6	55.6	57.0	57.0	58.2	70.8	65.4	54.7
37	Mount Prospect	50.4	54.4	52.6	55.9	55.8	55.6	52.0	52.1	46.9	47.6	49.1	47.0	47.3	52.7	55.1	57.0	50.5
42	Chicago	58.7	59.5	59.4	60.0	59.9	59.2	59.9	60.2	58.5	59.4	59.0	--	58.0	59.5	n/a	n/a	n/a
44	Itasca	--	--	--	--	--	--	--	--	--	60.4	66.6	65.6	--	--	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 (3 monitors). **Green** represents a decrease of 1dB or more from the same month of the previous year (0 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. The following 44 monitor-days were excluded due to high community noise values: Site 20 (8); Site 21 (8); Site 24 (14); Site 34 (8); Site 37 (8); Site 42 (all); Site 44 (14).
4. The following 1 monitor-day was not available due to malfunction: Site 20 (15).
5. Data is included for all days where data is collected for greater than 90% of the day.