

24-hour Cumulative Change of All Recommended Alternatives

		Baseline				Recommended Alternatives				Cumulative Community Averages				Community
		Baseline Number Annual Day NEA > 50 SEL	Baseline Number Annual Day NEA > 60 SEL	Baseline Time Above 65 dBA	Baseline DNL	Change in Cumulative Number of Events Above 50 SEL	Change in Cumulative Number of Events Above 60 SEL	Change in Cumulative TA 65	Change in Cumulative DNL	Community Average Effect (Change in NA 50 SEL at grids) (typical suburban ambient noise level)	Community Average Effect (Change in NA 60 SEL at grids) (typical low range speech interference)	Community Average Change in Cumulative Minutes above 65 dBA (moderate range speech interference)	Community Average Cumulative Change in DNL	
Community	Point													Community
Dedham	PT029	146	61	0	43.0	-13	-5	0	-0.4	-13	-5	0	-0.4	Dedham
Jamaica Plain	S28	280	105	3	49.7	-19	-9	0	-0.1	-19	-9	0	-0.1	Jamaica Plain
Medfield	PT018	43	20	0	37.2	-1	0	0	-0.4	-1	0	0	-0.4	Medfield
Norwood	PT031	72	19	0	36.9	-7	-3	0	-2.0	-7	-3	0	-2.0	Norwood
Roslindale	PT007	247	99	2	48.6	-19	-8	0	-0.1	-19	-8	0	-0.1	Roslindale
Roxbury	S27	538	159	8	53.6	2	-7	0	-0.1	2	-7	0	-0.1	Roxbury
South Boston	S02	742	481	19	60.3	-1	2	0	-0.1	-1	2	0	-0.1	South Boston
South End	PT016	647	265	10	55.2	-3	-3	0	0.0					
South End	S01	653	270	13	56.3	-3	-1	0	-0.1	-3	-2	0	0.0	South End
West Roxbury	PT003	183	88	1	45.8	-12	-6	0	-0.1	-12	-6	0	-0.1	West Roxbury
Westwood	PT030	108	35	0	39.9	-11	-4	0	-1.1	-11	-4	0	-1.1	Westwood
4 Approach Corridor														
Canton	PT032	128	35	0	38.6	-11	-3	0	-0.9					
Canton	PT083	195	88	0	42.8	-23	-6	0	-0.5					
Canton	PT088	194	83	0	42.4	-23	-6	0	-0.6	-19	-5	0	-0.7	Canton
Dorchester	S23	498	290	11	53.9	-26	-24	0	-0.1	-23	-22	0	-0.1	Dorchester *
Milton	PT012	391	215	1	48.8	-39	-24	0	-0.4					
Milton	S24	406	247	9	53.1	-39	-30	0	-0.2	-39	-27	0	-0.3	Milton
Randolph	PT034	243	107	0	44.2	-38	-13	0	-0.8					
Randolph	PT082	268	149	0	45.8	-28	-13	0	-0.6					
Randolph	PT089	272	142	0	45.4	-27	-12	0	-0.7	-31	-13	0	-0.7	Randolph
Sharon	PT087	113	46	0	38.5	-8	-1	0	-0.3	-8	-1	0	-0.3	Sharon
South Boston	PT099	845	692	48	61.9	-2	-1	-1	-0.6					
South Boston	PT100	728	489	27	57.3	-3	-4	0	0.0					
South Boston	S03	812	686	59	62.5	-3	-2	-2	-0.4	-3	-2	-1	-0.3	South Boston
Stoughton	PT084	137	56	0	40.8	-13	-2	0	-0.2					
Stoughton	PT085	115	45	0	39.1	-9	-1	0	-0.2					
Stoughton	PT086	141	63	0	40.2	-13	-2	0	-0.4	-11	-1	0	-0.3	Stoughton
Close In														
Brookline	PT019	238	81	0	43.7	-7	-2	0	-0.1	-7	-2	0	-0.1	Brookline
Cambridge	PT020	455	136	0	44.2	-7	-3	0	-0.1	-7	-3	0	-0.1	Cambridge
Chelsea	PT001	676	442	5	53.7	-2	-1	0	-0.1					
Chelsea	PT047	679	360	1	49.5	-3	-1	0	-0.1					
Chelsea	S15	637	386	11	58.9	-1	0	0	-0.1	-2	-1	0	-0.1	Chelsea
Dorchester	PT014	486	233	1	47.4	-20	-19	0	-0.2	-23	-22	0	-0.1	Dorchester *
East Boston	PT046	817	570	76	62.5	2	-1	0	-0.1					
East Boston	S09	883	638	85	70.9	5	-5	0	-0.1					
East Boston	S10	852	618	43	63.2	-1	-1	0	-0.2					
East Boston	S11	822	569	25	58.8	-1	0	0	-0.2					
East Boston	S12	854	631	211	69.6	2	-1	-1	-0.1					
East Boston	S13	757	506	19	62.8	-1	-1	0	-0.1					
East Boston	S14	893	626	56	61.3	-1	-1	-1	0.0					
East Boston	S30	870	563	22	58.8	-1	-4	0	-0.1	1	-2	0	-0.1	East Boston
Everett	PT004	594	257	2	49.4	-1	-1	0	-0.1					
Everett	S21	541	202	4	51.4	-2	-3	0	-0.1	-1	-2	0	-0.1	Everett
Malden	PT010	487	148	0	43.5	-6	-1	0	0.1	-6	-1	0	0.1	Malden
Mattapan	S29	388	127	2	48.7	-22	-14	0	-0.2	-22	-14	0	-0.2	Mattapan
Medford	S22	401	123	2	48.3	-1	-1	0	-0.1	-1	-1	0	-0.1	Medford
Revere	PT013	664	327	1	49.7	-5	-3	0	-0.1					
Revere	S16	764	530	31	68.3	1	-8	0	0.0					
Revere	S17	548	206	12	56.4	-2	-8	0	-0.1	-2	-6	0	-0.1	Revere
Somerville	PT015	496	143	1	46.4	2	-2	0	-0.1	2	-2	0	-0.1	Somerville
Winthrop	PT005	901	669	25	59.0	-1	-1	0	-0.1					
Winthrop	S04	924	741	122	74.8	-1	-1	0	0.1					
Winthrop	S05	901	690	99	67.6	-1	-2	-1	-0.3					
Winthrop	S06	1003	833	99	63.9	-1	-1	-1	0.0					

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		Baseline Number Annual Day NEA > 50 SEL	Baseline Number Annual Day NEA > 60 SEL	Baseline Time Above 65 dBA	Baseline DNL	Change in Cumulative Number of Events Above 50 SEL	Change in Cumulative Number of Events Above 60 SEL	Change in Cumulative TA 65	Change in Cumulative DNL	Community Average Effect (Change in NA 50 SEL at grids) (typical suburban ambient noise level)	Community Average Effect (Change in NA 60 SEL at grids) (typical low range speech interference)	Community Average Change in Cumulative Minutes above 65 dBA (moderate range speech interference)	Community Average Cumulative Change in DNL		
Community	Point														
27 Takeoff Corridor	S07	943	777	169	69.5	-1	-1	-1	-0.1						
Winthrop	S08	887	634	62	63.1	0	-5	0	-0.1	-1	-2	0	-0.1	Winthrop	
Far North Shore															
Beverly	PT017	116	54	0	39.8	-11	-4	0	0.8						
Beverly	PT052	139	69	0	42.4	-11	-13	0	-0.9						
Beverly	PT053	121	59	0	40.8	-9	1	0	1.0						
Beverly	PT054	110	48	0	38.9	0	14	0	2.8						
Beverly	PT055	89	27	0	36.1	11	24	0	3.8						
Beverly	PT062	100	40	0	37.6	-7	3	0	2.1						
Beverly	PT063	95	35	0	36.7	-2	7	0	2.6	-4	5	0	1.7	Beverly	
Danvers	PT092	120	60	0	40.6	-20	-18	0	-1.2	-20	-19	0	-1.2	Danvers	
Gloucester	PT024	14	3	0	29.2	1	0	0	0.1						
Gloucester	PT058	40	9	0	32.4	16	-1	0	0.5						
Gloucester	PT059	27	5	0	30.9	4	0	0	-0.2						
Gloucester	PT060	14	3	0	29.7	3	0	0	-0.4						
Gloucester	PT061	12	3	0	28.9	1	0	0	-0.9	5	0	0	-0.2	Gloucester	
Hamilton	PT090	66	20	0	34.1	-13	1	0	0.8	-13	1	0	0.8	Hamilton	
Manchester	PT056	72	20	0	34.5	18	15	0	3.1						
Manchester	PT057	53	13	0	33.2	26	8	0	1.8						
Manchester	PT065	59	14	0	33.1	16	10	0	1.9						
Manchester	PT066	47	13	0	32.2	17	1	0	1.5	19	9	0	2.1	Manchester	
Rockport	PT067	9	2	0	27.8	0	0	0	-0.6	0	0	0	-0.6	Rockport	
Wenham	PT025	85	32	0	36.6	-15	0	0	1.1						
Wenham	PT064	75	24	0	34.8	9	8	0	2.7						
Wenham	PT093	91	36	0	37.5	-18	-4	0	0.9	-8	1	0	1.6	Wenham	
Near North Shore															
Lynn	PT026	303	115	2	48.4	-23	-23	0	-0.4						
Lynn	PT041	368	131	3	49.7	-23	-25	0	-0.4						
Lynn	PT050	271	113	1	47.4	-29	-31	0	-0.7						
Lynn	S20	292	119	1	48.0	-27	-31	0	-0.7	-25	-27	0	-0.6	Lynn	
Marblehead	PT038	175	80	0	43.0	-5	-8	0	-1.3						
Marblehead	PT039	223	102	1	44.5	-4	-40	0	-4.1	-4	-24	0	-2.7	Marblehead	
Nahant	PT011	525	140	0	44.9	1	-11	0	-0.3						
Nahant	S18	508	137	1	46.4	3	-12	0	0.0	2	-11	0	-0.1	Nahant	
Peabody	PT091	171	81	0	43.2	-23	-29	0	-2.2	-23	-29	0	-2.2	Peabody	
Salem	PT051	228	99	0	43.7	-15	-40	0	-3.2	-15	-40	0	-3.2	Salem	
Saugus	PT042	511	201	8	53.7	-8	-9	-1	-0.4						
Saugus	PT048	544	172	1	45.9	-8	-4	0	-0.1						
Saugus	PT049	386	115	0	44.7	-17	-10	0	-0.1	-11	-8	0	-0.2	Saugus	
Swampscott	PT022	250	107	1	44.8	-13	-39	0	-2.1						
Swampscott	PT040	273	107	1	46.8	-12	-41	0	-1.5						
Swampscott	S19	274	106	1	46.4	-14	-39	0	-1.5	-13	-40	0	-1.7	Swampscott	
South Shore															
Braintree	PT008	270	102	0	44.0	-70	-33	0	-2.8	-70	-33	0	-2.8	Braintree	
Cohasset	PT035	301	186	1	46.9	-8	-47	0	-1.5						
Cohasset	PT036	338	223	1	49.0	-9	-103	-1	-5.1						
Cohasset	PT043	280	155	0	45.4	-45	-52	0	-0.9						
Cohasset	PT044	310	182	1	47.3	-43	-78	0	-2.6						
Cohasset	PT045	343	195	1	47.8	-76	-104	-1	-3.6						
Cohasset	PT096	278	145	0	44.9	-52	-50	0	-0.8						
Cohasset	PT097	337	193	1	47.9	-69	-100	-1	-3.5	-43	-76	0	-2.6	Cohasset	
Hingham	PT002	350	165	1	47.2	-103	-94	0	-3.7						
Hingham	PT098	387	219	1	49.2	-60	-109	-1	-4.3	-81	-102	-1	-4.0	Hingham	
Holbrook	PT033	164	64	0	39.6	-39	-8	0	-0.8	-39	-8	0	-0.8	Holbrook	
Hull	PT021	582	343	5	53.1	-24	-31	-1	-0.8						
Hull	PT023	525	292	6	53.3	-19	-36	0	-0.7						

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Community														
27 Takeoff Corridor	Point													Community
Hull	PT037	376	231	1	49.1	-26	-113	-1	-6.1					
Hull	S26	618	370	15	56.5	-19	-26	-1	-1.4	-22	-52	-1	-2.3	Hull
Quincy	PT009	370	115	0	44.2	-58	-55	0	-3.2					
Quincy	S25	743	436	1	49.0	-3	4	0	-0.4	-31	-25	0	-1.8	Quincy
Weymouth	PT006	300	110	0	44.1	-88	-56	0	-3.6	-88	-56	0	-3.6	Weymouth
Southeast Shore														
Duxbury	PT074	45	18	0	34.0	37	0	0	-1.1					
Duxbury	PT081	47	18	0	34.0	46	7	0	0.7	41	3	0	-0.2	Duxbury
Halifax	PT027	45	11	0	29.3	20	4	0	2.1	20	4	0	2.1	Halifax
Hanson	PT028	111	31	0	35.5	-47	-9	0	-1.7	-47	-9	0	-1.7	Hanson
Marshfield	PT071	149	53	0	39.7	-33	-24	0	-2.3					
Marshfield	PT072	96	32	0	37.7	21	0	0	-1.4					
Marshfield	PT073	59	21	0	35.3	53	11	0	0.2					
Marshfield	PT078	159	53	0	38.7	-61	-23	0	-1.7					
Marshfield	PT079	96	32	0	37.3	14	-5	0	-1.7					
Marshfield	PT080	69	24	0	36.1	41	11	0	-0.2	6	-5	0	-1.2	Marshfield
Scituate	PT068	262	136	0	44.7	14	18	0	0.9					
Scituate	PT069	227	95	0	43.0	24	23	0	0.9					
Scituate	PT070	195	76	0	41.4	-30	-14	0	-1.1					
Scituate	PT075	250	137	0	43.8	-16	-29	0	0.3					
Scituate	PT076	225	106	0	42.3	-10	-8	0	0.5					
Scituate	PT077	204	84	0	40.8	-42	-16	0	-0.3					
Scituate	PT094	190	76	0	40.5	-46	-19	0	-0.9					
Scituate	PT095	225	106	0	42.0	-36	-20	0	0.2	-18	-8	0	0.1	Scituate

- = Decrease > 5% ops and > +/- 10 ops change day, 1 op change night
- = Decrease > 5% minutes and > +/- 10 ops change day, 1 op change night
- = No Noticeable Change (+/- 5% ops) or < +/- 10 ops change day, 1 op change night
- = No Noticeable Change (+/- 5% minutes) or < +/- 10 ops change day, 1 op change night
- = Increase > 5% ops and > +/- 10 ops change day, 1 op change night
- = Increase > 5% minutes and > +/- 10 ops change day, 1 op change night

Note: Color coding for NEA 50, and NEA 60 is based on +/- 10 ops per day number of events change above each level.