Medfield Public Schools
Medfield, MA

School Year 2023-24 Enrollment Projection Report
Spring Update

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Enrollment Summary Spring Update

NESDEC is pleased to send you this report displaying the past, present, and projected enrollments for your District. It is important to update enrollment projections every year to identify changes in enrollment patterns. Ten-year projections are designed to provide your District with yearly, up-to-date enrollment information that can be used by boards and administrators for effective planning and allocation of resources.

Included in this report are graphs representing historical and projected grade-by-grade enrollments, as well as historical and projected enrollments in grade combinations. We received the enrollment data from the District, and we assume that the method of collecting this data has been consistent from year to year.

Enrollment projections are more reliable in Years #1-4 in the future and less reliable in the "out-years." Projections six to ten years out may serve as a guide to future enrollments and are useful for planning purposes. For more information, please refer to the Methodology, Reliability and Use of this Document section.

We are pleased to send you this Spring Update. We have reviewed the updated Spring Enrollment and note that the enrollment growth is similar to the previous projection for Grades K-12. We look forward to fully updating enrollment data in the Fall of 2024.

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Historical Enrollment Spring Update

School District: **Medfield,MA** **4/4/2024**

NOTE: Spring enrollment data provided by the District.

Historical Enrollment By Grade

Birth Year	Births*	School Year	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2008	96	**2013-14**	49	157	158	177	189	206	197	216	216	228	222	231	197	232	0	2626	2675
2009	72	**2014-15**	59	149	170	163	187	197	210	204	217	213	228	223	233	202	0	2596	2655
2010	104	**2015-16**	57	168	164	173	171	187	202	208	200	212	198	221	218	231	0	2553	2610
2011	80	**2016-17**	61	178	183	174	174	178	191	216	207	204	207	196	222	218	0	2548	2609
2012	88	**2017-18**	70	175	194	195	184	183	182	195	218	209	199	209	191	230	0	2564	2634
2013	98	**2018-19**	52	184	187	202	201	189	188	186	195	217	205	197	206	190	0	2547	2599
2014	100	**2019-20**	50	195	191	187	201	204	194	193	186	196	199	198	201	206	0	2551	2601
2015	115	**2020-21**	36	164	188	192	190	196	211	191	186	183	185	201	192	195	0	2474	2510
2016	120	**2021-22**	49	197	181	200	196	194	197	206	184	176	179	183	197	190	0	2480	2529
2017	92	**2022-23**	48	169	205	179	201	198	191	198	202	182	177	177	186	200	< 10 **	2468	2516
2018	118	**Fall 2023**	51	193	177	207	182	206	198	193	192	200	163	176	175	185	< 10 **	2453	2504
2024 Spring Update			**53**	**195**	**177**	**206**	**183**	**205**	**197**	**193**	**191**	**198**	**160**	**177**	**175**	**182**	**< 10 ****	**2445**	**2498**

*Birth data provided by Public Health Vital Records Departments in each state.

** < 10 Not reported, to protect subgroups with fewer than 10 students.

Historical Enrollment in Grade Combinations

School Year	PK-5	K-5	PK-1	K-1	2-3	4-5	6-8	6-12	9-12
2013-14	1133	1084	364	315	366	403	660	1542	882
2014-15	1135	1076	378	319	350	407	634	1520	886
2015-16	1122	1065	389	332	344	389	620	1488	868
2016-17	1139	1078	422	361	348	369	627	1470	843
2017-18	1183	1113	439	369	379	365	622	1451	829
2018-19	1203	1151	423	371	403	377	598	1396	798
2019-20	1222	1172	436	386	388	398	575	1379	804
2020-21	1177	1141	388	352	382	407	560	1333	773
2021-22	1214	1165	427	378	396	391	566	1315	749
2022-23	1191	1143	422	374	380	389	582	1322	740
Fall 2023	1214	1163	421	370	389	404	585	1284	699
Spring 2024	1216	1163	425	372	389	402	582	1276	694

Historical Percentage Changes

School Year	K-12	Diff.	%
2013-14	2626		
2014-15	2596	-30	-1.1%
2015-16	2553	-43	-1.7%
2016-17	2548	-5	-0.2%
2017-18	2564	16	0.6%
2018-19	2547	-17	-0.7%
2019-20	2551	4	0.2%
2020-21	2474	-77	-3.0%
2021-22	2480	6	0.2%
2022-23	2468	-12	-0.5%
Fall 2023	2453	-15	-0.6%
Change		**-173**	**-6.6%**

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Projected Enrollment Spring Update

School District: **Medfield,MA** **4/4/2024**

Note: Spring projections are based on updated Spring enrollment data.

Enrollment Projections By Grade*

Birth Year	Births*		School Year	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2018	118		**Spring 2024**	53	**195**	**177**	**206**	**183**	**205**	**197**	**193**	**191**	**198**	**160**	**177**	**175**	**182**	**< 10 ****	**2445**	**2498**
2019	110		**2024-25**	51	**184**	**204**	**180**	**209**	**186**	**204**	**196**	**187**	**186**	**189**	**159**	**176**	**175**	**< 10 ****	**2441**	**2492**
2020	102	(prov.)	**2025-26**	52	**171**	**193**	**208**	**183**	**213**	**185**	**203**	**190**	**182**	**177**	**188**	**158**	**176**	**< 10 ****	**2433**	**2485**
2021	138	(prov.)	**2026-27**	52	**231**	**179**	**197**	**211**	**186**	**212**	**184**	**197**	**185**	**174**	**176**	**187**	**158**	**< 10 ****	**2483**	**2535**
2022	106	(prov.)	**2027-28**	53	**178**	**242**	**182**	**200**	**215**	**185**	**211**	**179**	**192**	**177**	**173**	**175**	**187**	**< 10 ****	**2502**	**2555**
2023	115	(est.)	**2028-29**	53	**192**	**186**	**247**	**185**	**203**	**214**	**184**	**205**	**175**	**183**	**176**	**172**	**175**	**< 10 ****	**2503**	**2556**
2024	114	(est.)	**2029-30**	54	**191**	**201**	**190**	**251**	**188**	**202**	**213**	**179**	**200**	**167**	**182**	**175**	**172**	**< 10 ****	**2517**	**2571**
2025	115	(est.)	**2030-31**	54	**193**	**200**	**205**	**193**	**255**	**187**	**201**	**207**	**175**	**191**	**166**	**181**	**175**	**< 10 ****	**2535**	**2589**
2026	118	(est.)	**2031-32**	55	**197**	**202**	**204**	**208**	**196**	**254**	**186**	**195**	**202**	**167**	**190**	**165**	**181**	**< 10 ****	**2553**	**2608**
2027	114	(est.)	**2032-33**	55	**190**	**206**	**206**	**207**	**212**	**195**	**253**	**181**	**190**	**193**	**166**	**189**	**165**	**< 10 ****	**2559**	**2614**
2028	115	(est.)	**2033-34**	56	**193**	**199**	**210**	**209**	**211**	**211**	**194**	**246**	**177**	**181**	**192**	**165**	**189**	**< 10 ****	**2583**	**2639**

Note: Ungraded students (UNGR) often are high school students whose anticipated years of graduation are unknown, or students with special needs - UNGR not included in Grade Combinations for 7-12, 9-12, etc.

Based on an estimate of births | Based on children already born | Based on students already enrolled

*Birth data provided by Public Health Vital Records Departments in each state.

** < 10 Not reported, to protect subgroups with fewer than 10 students.

Projected Enrollment in Grade Combinations*

School Year	PK-5	K-5	PK-1	K-1	2-3	4-5	6-8	6-12	9-12
Spring 2024	1216	1163	425	372	389	402	582	1276	694
2024-25	1218	1167	439	388	389	390	569	1268	699
2025-26	1205	1153	416	364	391	398	575	1274	699
2026-27	1268	1216	462	410	408	398	566	1261	695
2027-28	1255	1202	473	420	382	400	582	1294	712
2028-29	1280	1227	431	378	432	417	564	1270	706
2029-30	1277	1223	446	392	441	390	592	1288	696
2030-31	1287	1233	447	393	398	442	583	1296	713
2031-32	1316	1261	454	399	412	450	583	1286	703
2032-33	1271	1216	451	396	413	407	624	1337	713
2033-34	1289	1233	448	392	419	422	617	1344	727

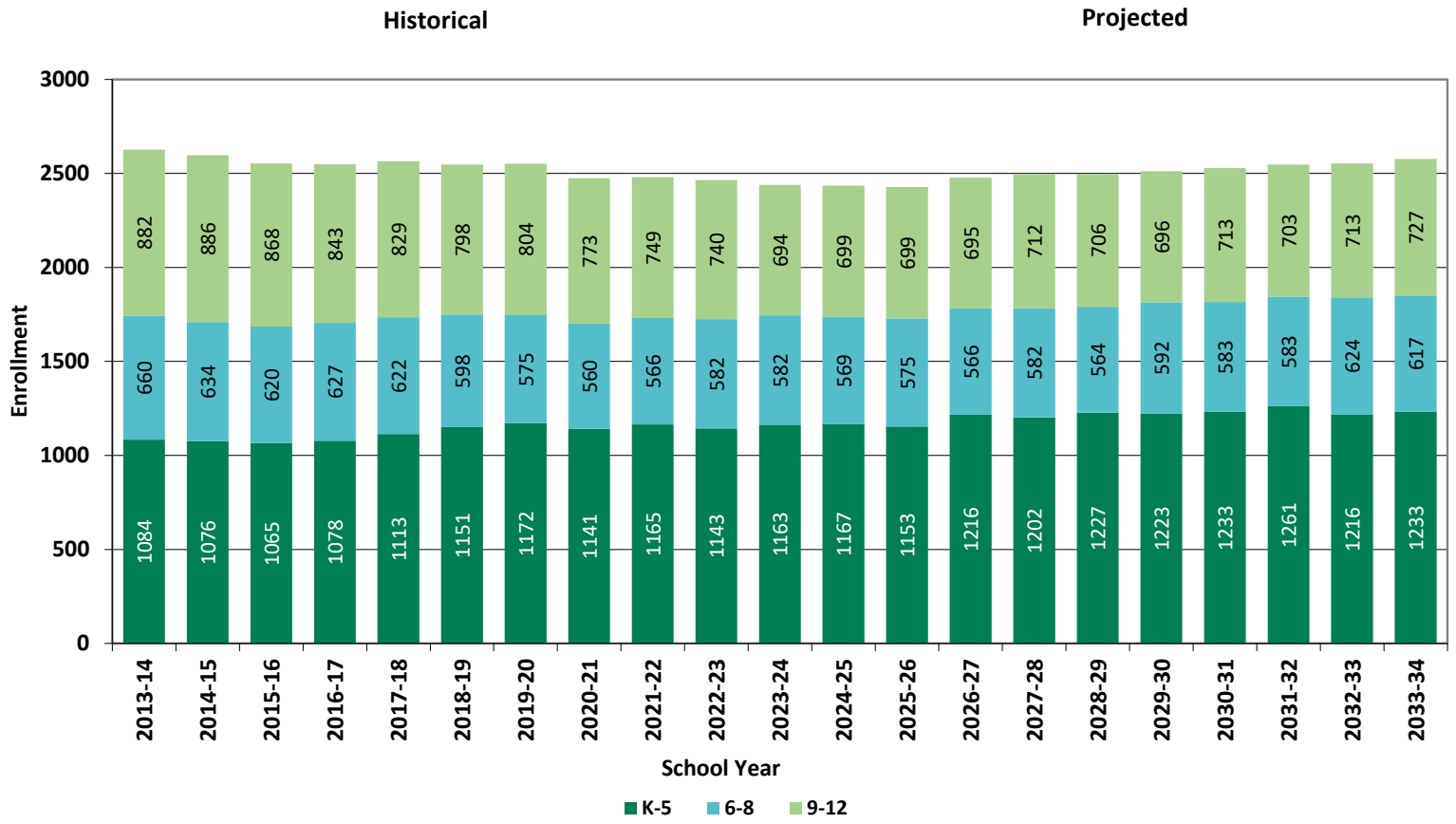
Projected Percentage Changes

School Year	K-12	Diff.	%
Spring 2024	2445		
2024-25	2441	-4	-0.2%
2025-26	2433	-8	-0.3%
2026-27	2483	50	2.1%
2027-28	2502	19	0.8%
2028-29	2503	1	0.0%
2029-30	2517	14	0.6%
2030-31	2535	18	0.7%
2031-32	2553	18	0.7%
2032-33	2559	6	0.2%
2033-34	2583	24.00	0.9%
Change		**138**	**5.6%**

*Projections should be updated annually to reflect changes in in/out-migration of families, real estate sales, residential construction, births, and similar factors.

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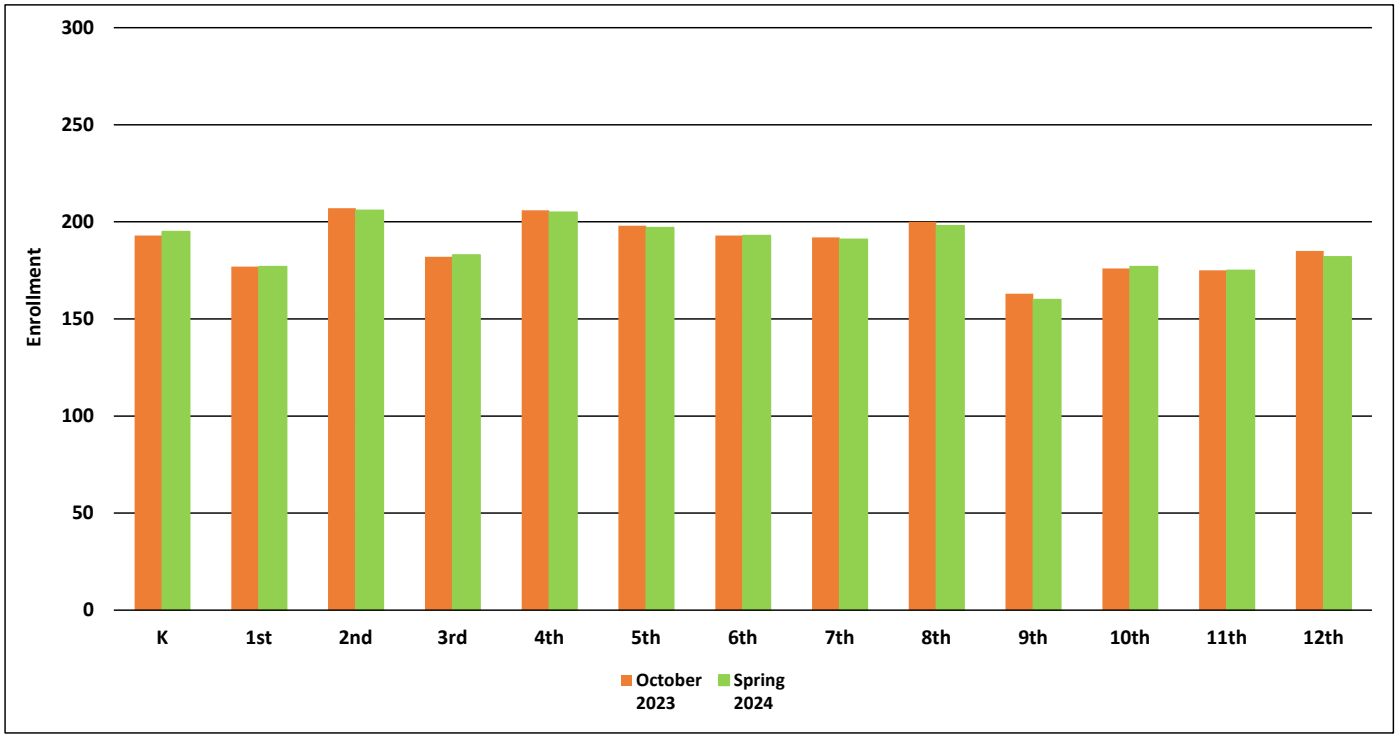
Historical & Spring Projected Enrollments in Grade Combinations



Note: Projections are based on Spring 2024 data.

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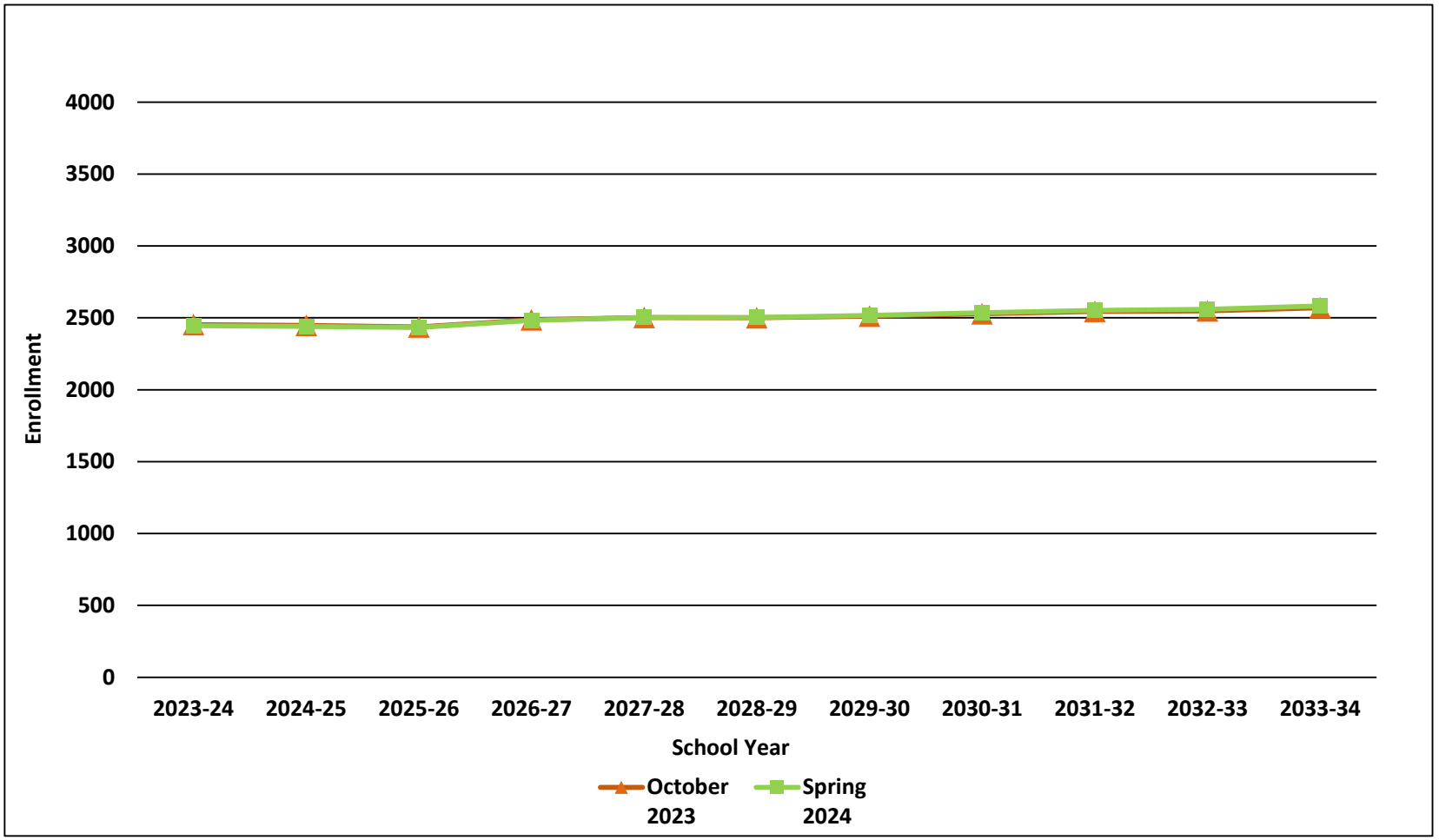
October 2023 vs. Spring 2024 Enrollment by Grade



	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
October 2023	193	177	207	182	206	198	193	192	200	163	176	175	185
Spring 2024	195	177	206	183	205	197	193	191	198	160	177	175	182

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Grades K-12 Projections October 2023 vs. Spring 2024



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Methodology, Reliability and Use of this Document

PROJECTION METHODOLOGY

Cohort component (survival) technique is a frequently used method of preparing enrollment forecasts. NESDEC uses this method, but modifies it in order to move away from forecasts that are wholly computer- or formula-driven. Such modification permits the incorporation of important, current district-specific demographic information into the generation of enrollment forecasts (such as in/out-migration of students, resident births, HUD-reported building permits, etc.). Percentages are calculated from the historical enrollment data to determine a reliable percentage of increase or decrease in enrollment between any two grades. For example, if 100 students enrolled in Grade 1 in 2022-23 increased to 104 students in Grade 2 in 2023-24, the percentage of survival would be 104%, or a ratio of 1.04. Ratios are calculated between each pair of grades or years in school over several recent years.

After study and analysis of the historical ratios, and based upon a reasonable set of assumptions regarding births, migration rates, retention rates, etc., ratios most indicative of future growth patterns are determined for each pair of grades. The ratios thus selected are applied to the present enrollment statistics to project into future years. The ratios are the key factors in the reliability of the projections, assuming validity of the data at the starting point.

RELIABILITY OF ENROLLMENT PROJECTIONS

Projections can serve as useful guides to school administrators for educational planning. Enrollment projections are more reliable in Years #1-4 in the future and less reliable in the "out-years." Projections six to ten years out may serve as a guide to future enrollments and are useful for planning purposes, but they should be viewed as subject to change given the likelihood of potential shifts in underlying assumptions/trends, such as student migration, births as they relate to Kindergarten enrollment, and other factors.

Projections that are based upon **the children who already are in the district** (the current K-12 population only) will be the most reliable. The second level of reliability will be for those children already **born into the community but not yet old enough to be in school.** The least reliable category is the group for which an estimate must be made **to predict the number of births**, thereby adding additional uncertainty. See these three multi-colored groupings on the "Projected Enrollment" tab.

Annual updates allow for early identification of recent changes in historical trends. When the actual enrollment in a grade is significantly different (higher or lower) from the projected number, it is important (yet difficult) to determine whether this is a one-year aberration or whether a new trend may have begun. **In light of this possibility, NESDEC urges all school districts to have updated enrollment forecasts developed by NESDEC each October.** This service is available at no cost to affiliated school districts.

USING THIS INFORMATION ELECTRONICALLY

If you would like to extract the information contained in this report for your own documents or presentations, you can use screenshots, which can be inserted into PowerPoint slides, Word documents, etc. Because screenshots create graphics, the image is not editable. Please feel free to contact us if you need assistance in this matter, by phone (508-481-9444) or by email (ep@nesdec.org).