



Plaistow, NH
Timberlane Regional School District
2022-23 Enrollment Projection Report
Spring Update

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Plaistow, NH Enrollment Summary Spring Update

The global pandemic continues to influence our nation's public health and economic stability in unpredictable ways. As such, it is still too early to identify many of the factors that could impact school enrollments. Over the past school year, we have seen fluctuations in the real estate market and job trends, which have impacted student attendance patterns. Moreover, during the past school year, we have seen how school enrollment patterns can differ substantially from one district to another, with some districts losing students while others experience an influx of students.

We are pleased to send you this report displaying the past, present, and projected enrollments for the District. These ten-year projections are designed to provide the 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 have received the figures given to us by the District, and we assume that the method of collecting the enrollment 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 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 data in the Fall of 2023.



Historical Enrollment Spring Update

School District: Plaistow, NH - Spring Update

4/13/2023

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
2007	88	2012-13	65	82	76	73	89	87	80	73	93	95	113	119	94	123	0	1197	1262
2008	64	2013-14	69	70	82	74	78	86	90	87	72	94	90	114	122	101	0	1160	1229
2009	71	2014-15	65	78	81	79	69	75	85	92	82	72	90	89	109	120	0	1121	1186
2010	66	2015-16	16	62	79	87	78	77	75	96	97	90	75	91	91	113	0	1111	1127
2011	63	2016-17	28	74	62	80	88	73	73	81	88	93	90	74	88	97	0	1061	1089
2012	67	2017-18	17	67	80	58	85	86	74	79	76	87	88	89	73	87	0	1029	1046
2013	72	2018-19	37	64	70	79	60	79	81	75	78	80	83	90	84	77	0	1000	1037
2014	65	2019-20	13	66	74	75	86	71	86	84	77	73	77	85	88	80	0	1022	1035
2015	72	2020-21	26	47	68	67	71	79	69	71	75	79	72	74	87	87	0	946	972
2016	73	2021-22	24	80	66	68	66	74	78	71	73	76	80	75	74	94	0	975	999
2017	67	Fall 2022	33	69	89	65	70	72	76	80	73	75	78	78	76	79	0	980	1013
2023 Spring Update			38	68	89	65	71	72	77	80	73	72	77	81	77	76	0	978	1016

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

Historical Enrollment in Grade Combinations									
Year	PK-5	K-5	K-6	K-8	5-8	6-8	7-8	7-12	9-12
2012-13	552	487	560	748	341	261	188	637	449
2013-14	549	480	567	733	343	253	166	593	427
2014-15	532	467	559	713	331	246	154	562	408
2015-16	474	458	554	741	358	283	187	557	370
2016-17	478	450	531	712	335	262	181	530	349
2017-18	467	450	529	692	316	242	163	500	337
2018-19	470	433	508	666	314	233	158	492	334
2019-20	471	458	542	692	320	234	150	480	330
2020-21	427	401	472	626	294	225	154	474	320
2021-22	456	432	503	652	298	220	149	472	323
Fall 2022	474	441	521	669	304	228	148	459	311
Spring 2023	480	442	522	667	302	225	145	456	311

Historical Percentage Changes			
Year	K-12	Diff.	%
2012-13	1197	0	0.0%
2013-14	1160	-37	-3.1%
2014-15	1121	-39	-3.4%
2015-16	1111	-10	-0.9%
2016-17	1061	-50	-4.5%
2017-18	1029	-32	-3.0%
2018-19	1000	-29	-2.8%
2019-20	1022	22	2.2%
2020-21	946	-76	-7.4%
2021-22	975	29	3.1%
Fall 2022	980	5	0.5%
Change		-217	-18.1%



Projected Enrollment Spring Update

School District: Plaistow, NH - Spring Update

4/13/2023

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
2017	67		Spring 2023	38	68	89	65	71	72	77	80	73	72	77	81	77	76	0	978	1016
2018	89		2023-24	34	87	75	88	66	72	72	76	79	74	71	77	82	80	0	999	1033
2019	73		2024-25	35	72	97	74	89	67	72	71	75	80	73	71	78	85	0	1004	1039
2020	63		2025-26	36	62	80	96	75	91	67	71	70	76	79	73	72	81	0	993	1029
2021	72	0	2026-27	37	71	69	79	97	76	91	66	70	71	75	79	74	74	0	992	1029
2022	73	(est.)	2027-28	38	71	79	68	80	99	76	90	66	71	70	75	80	76	0	1001	1039
2023	74	(est.)	2028-29	39	72	79	78	69	81	99	75	89	67	70	70	76	83	0	1008	1047
2024	71	(est.)	2029-30	40	70	80	78	79	70	81	98	74	90	66	70	71	78	0	1005	1045
2025	71	(est.)	2030-31	41	69	78	79	79	80	70	80	97	75	89	66	71	73	0	1006	1047
2026	72	(est.)	2031-32	42	71	77	77	80	80	80	69	79	98	74	89	67	73	0	1014	1056
2027	72	(est.)	2032-33	43	71	79	76	78	81	80	79	68	80	97	74	90	69	0	1022	1065

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.

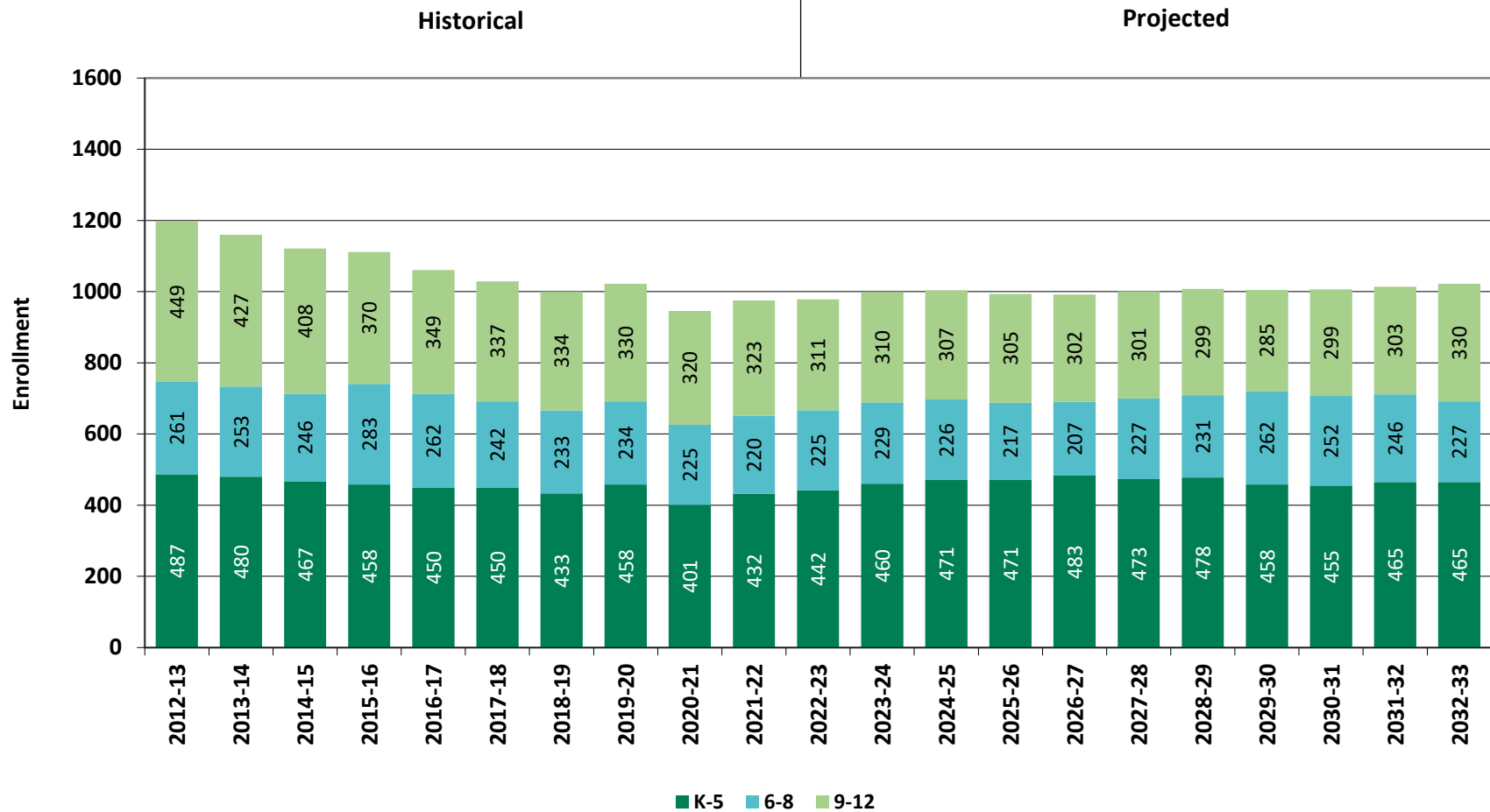
Projected Enrollment in Grade Combinations*									
Year	PK-5	K-5	K-6	K-8	5-8	6-8	7-8	7-12	9-12
Spring 2023	480	442	522	667	302	225	145	456	311
2023-24	494	460	536	689	301	229	153	463	310
2024-25	506	471	542	697	298	226	155	462	307
2025-26	507	471	542	688	284	217	146	451	305
2026-27	520	483	549	690	298	207	141	443	302
2027-28	511	473	563	700	303	227	137	438	301
2028-29	517	478	553	709	330	231	156	455	299
2029-30	498	458	556	720	343	262	164	449	285
2030-31	496	455	535	707	322	252	172	471	299
2031-32	507	465	534	711	326	246	177	480	303
2032-33	508	465	544	692	307	227	148	478	330

Projected Percentage Changes			
Year	K-12	Diff.	%
Spring 2023	978	0	0.0%
2023-24	999	21	2.1%
2024-25	1004	5	0.5%
2025-26	993	-11	-1.1%
2026-27	992	-1	-0.1%
2027-28	1001	9	0.9%
2028-29	1008	7	0.7%
2029-30	1005	-3	-0.3%
2030-31	1006	1	0.1%
2031-32	1014	8	0.8%
2032-33	1022	8	0.8%
Change	44		4.5%

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

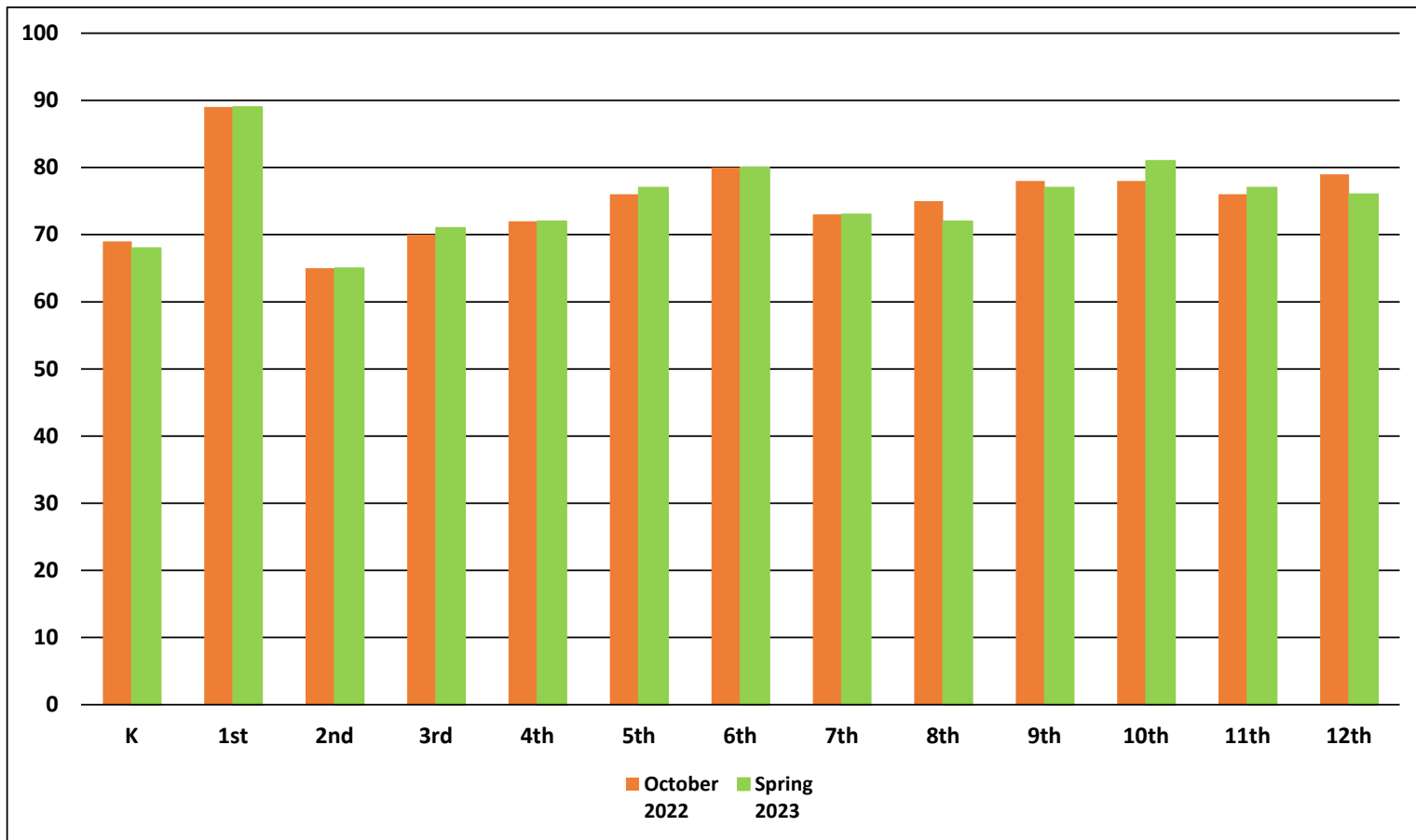


Historical & Projected Enrollments in Grade Combinations

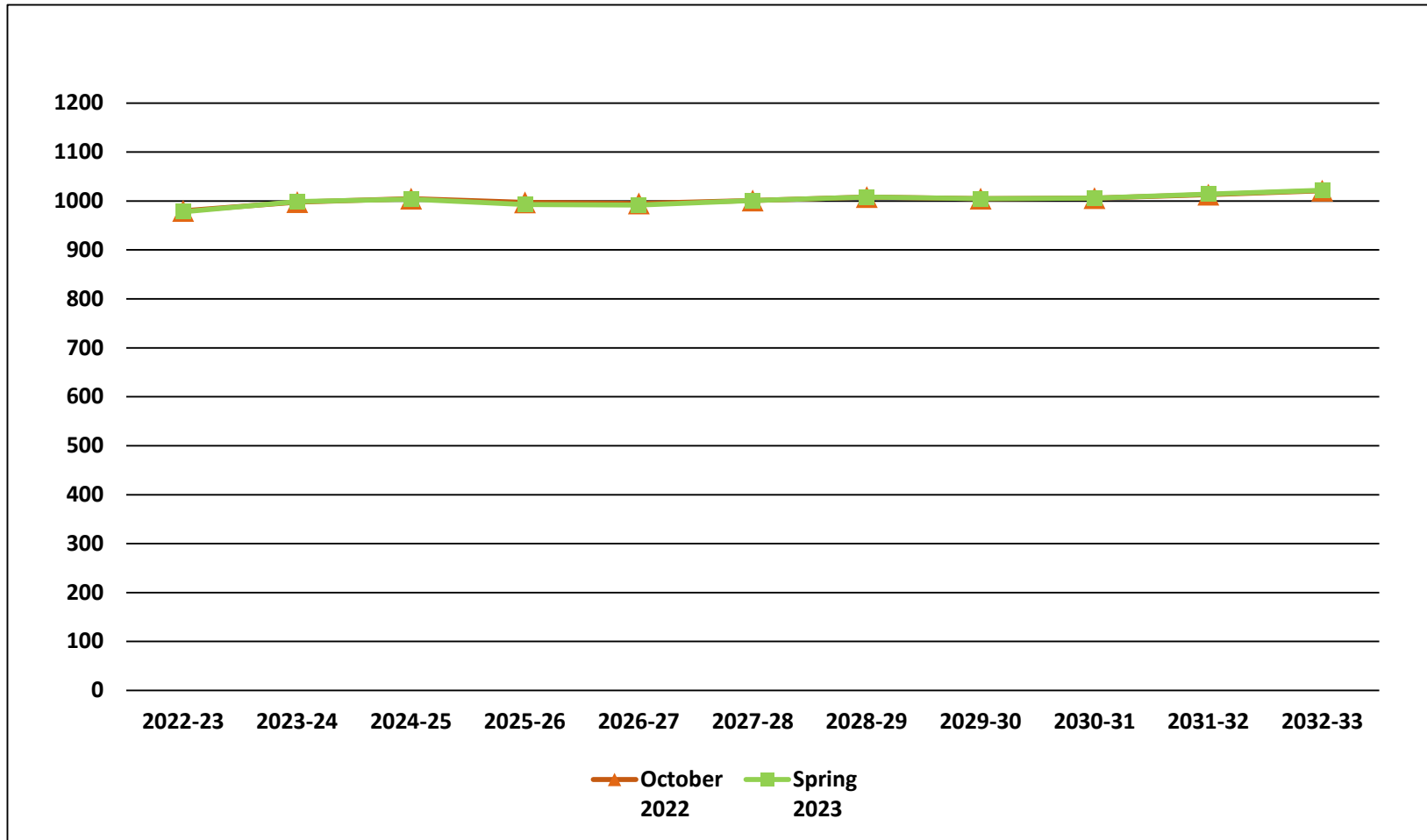


Note: Projections are based on Spring 2023 data.

October 2022 vs. Spring 2023 Enrollment by Grade



Projections October 2022 vs. Spring 2023



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 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 2018-19 increased to 104 students in Grade 2 in 2019-20, 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).