



NEEDHAM PUBLIC SCHOOLS

OFFICE OF FINANCIAL OPERATIONS
 ANNE GULATI, DIRECTOR
 1330 HIGHLAND AVENUE * NEEDHAM, MA 02492
 781-455-0400 EXT. 206 * 781-455-0417 (FAX)

November 19, 2015

To: School Committee
 From: Anne Gulati Director of Financial Operations
 RE: FY17-31 Projected Enrollment Update

Recently, McKibben Demographic Associates issued revised enrollment projections for FY 2016/17 – 2030/31. These projections update the estimates developed in March, 2015 for a fifteen year period.

The updated results, which are depicted in the chart below, indicate the following broad findings:

- Steady enrollment District-wide, with only a slight decline through FY 2030/31. The projected Pre-K-12 enrollment of 5,437 in FY31 is only 146 pupils less than the current Pre-K-12 enrollment of 5,583, a reduction of only 2.6% overall. On an annual basis, the average annual change is projected to be a loss of 10 pupils, or -0.2%/year.
- Elementary enrollment will begin to decline steadily after 2019, as a result of the Town’s declining birth rate (of 1.79, versus the replacement level of 2.1) and amount of net in-migration rate, which is insufficient to offset the declining birth rate. Most out-migration will continue to occur in the 18-24 and 70+ age groups, as young adults leave Needham to attend college or move to urbanized areas and empty nesters downsize their residences. Most in-migration will continue to consist of younger adults and their children in the 0-9 and 30-44 age groups, moving to Town largely from areas within 100 miles of Needham.
- Changes in the year-to-year enrollment will continue to be due to smaller cohorts entering and moving through the system, in conjunction with larger cohorts leaving the system.
- Even if the District continues to have a modest level of new home construction, the rate, magnitude and price of existing home sales will become the increasingly dominant factor affecting population and enrollment change in the future.

Needham Public Schools: Total District Enrollment

Nov-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	
PreK	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
Gr 1-5	2,542	2,560	2,577	2,562	2,516	2,545	2,515	2,493	2,470	2,442	2,420	2,394	2,364	2,329	2,292	2,265	
Gr 6-8	1,290	1,304	1,287	1,304	1,369	1,362	1,367	1,328	1,364	1,346	1,351	1,352	1,346	1,338	1,333	1,322	
<u>Gr 9-12</u>	<u>1,666</u>	<u>1,644</u>	<u>1,661</u>	<u>1,696</u>	<u>1,660</u>	<u>1,676</u>	<u>1,697</u>	<u>1,745</u>	<u>1,734</u>	<u>1,774</u>	<u>1,765</u>	<u>1,725</u>	<u>1,771</u>	<u>1,764</u>	<u>1,764</u>	<u>1,765</u>	
Total	5,583	5,593	5,610	5,647	5,630	5,668	5,664	5,651	5,653	5,647	5,621	5,556	5,566	5,516	5,474	5,437	
Annual Change	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	Cumulative Change
PreK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gr 1-5	18	17	(15)	(46)	29	(30)	(22)	(23)	(28)	(22)	(26)	(30)	(35)	(37)	(27)	(277)	(277)
Gr 6-8	14	(17)	17	65	(7)	5	(39)	36	(18)	5	1	(6)	(8)	(5)	(11)	32	32
<u>Gr 9-12</u>	<u>(22)</u>	<u>17</u>	<u>35</u>	<u>(36)</u>	<u>16</u>	<u>21</u>	<u>48</u>	<u>(11)</u>	<u>40</u>	<u>(9)</u>	<u>(40)</u>	<u>46</u>	<u>(7)</u>	<u>-</u>	<u>1</u>	<u>99</u>	<u>99</u>
Total	10	17	37	(17)	38	(4)	(13)	2	(6)	(26)	(65)	10	(50)	(42)	(37)	(146)	(146)

The revised projections represent a moderate increase over the previous estimates, however. As evident from the table below, which compares the revised (November) projections to the prior (March) projections, McKibben is projecting an increase in both the elementary and middle school populations (of 183 and 102 students, respectively, by FY 2029/30), which will ripple through the system and result in a larger population of High School students (by 80 students in FY 2029/30.)

Needham Public Schools: Total District Enrollment

Nov-15	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
PreK	82	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
Gr 1-5	2,522	2,542	2,560	2,577	2,562	2,516	2,545	2,515	2,493	2,470	2,442	2,420	2,394	2,364	2,329	2,292	2,265
Gr 6-8	1,312	1,290	1,304	1,287	1,304	1,369	1,362	1,367	1,328	1,364	1,346	1,351	1,352	1,346	1,338	1,333	1,322
Gr 9-12	1,631	1,666	1,644	1,661	1,696	1,660	1,676	1,697	1,745	1,734	1,774	1,765	1,725	1,771	1,764	1,764	1,765
Total	5,547	5,583	5,593	5,610	5,647	5,630	5,668	5,664	5,651	5,653	5,647	5,621	5,556	5,566	5,516	5,474	5,437
Mar-15	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	
PreK	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	
Gr 1-5	2,522	2,516	2,528	2,529	2,486	2,425	2,429	2,405	2,373	2,331	2,294	2,253	2,215	2,175	2,137	2,109	
Gr 6-8	1,312	1,272	1,266	1,241	1,258	1,309	1,320	1,310	1,289	1,305	1,303	1,300	1,292	1,273	1,252	1,231	
Gr 9-12	1,631	1,686	1,655	1,654	1,667	1,603	1,608	1,623	1,658	1,675	1,695	1,694	1,675	1,695	1,694	1,684	
Total	5,547	5,556	5,531	5,506	5,493	5,419	5,439	5,420	5,402	5,393	5,374	5,329	5,264	5,225	5,165	5,106	
Variance	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	
PreK	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Gr 1-5	-	26	32	48	76	91	116	110	120	139	148	167	179	189	192	183	
Gr 6-8	-	18	38	46	46	60	42	57	39	59	43	51	60	73	86	102	
Gr 9-12	-	(20)	(11)	7	29	57	68	74	87	59	79	71	50	76	70	80	
Total	-	27	62	104	154	211	229	244	249	260	273	292	292	341	351	368	

As described by McKibben, the additional elementary students reflect an uptick in existing home sales between July 2014-July 2015, for all districts except Broadmeadow. In addition, the November 2015 projections incorporate potential additional students resulting from the Glendale Mews and Needham Crossing projects, of 50+ and 25+ students by 2024, respectively. (The Mews project is located in the Broadmeadow district and the Needham Crossing project is situated in the Eliot district.) In addition, the revised projections reflect a slight uptick in the rental occupancy rate, which predominately influences the Hillside district enrollment. Finally, the middle school estimates reflect some uptick in the number of children coming from private schools and an increase in the retention rate for the Pollard school.

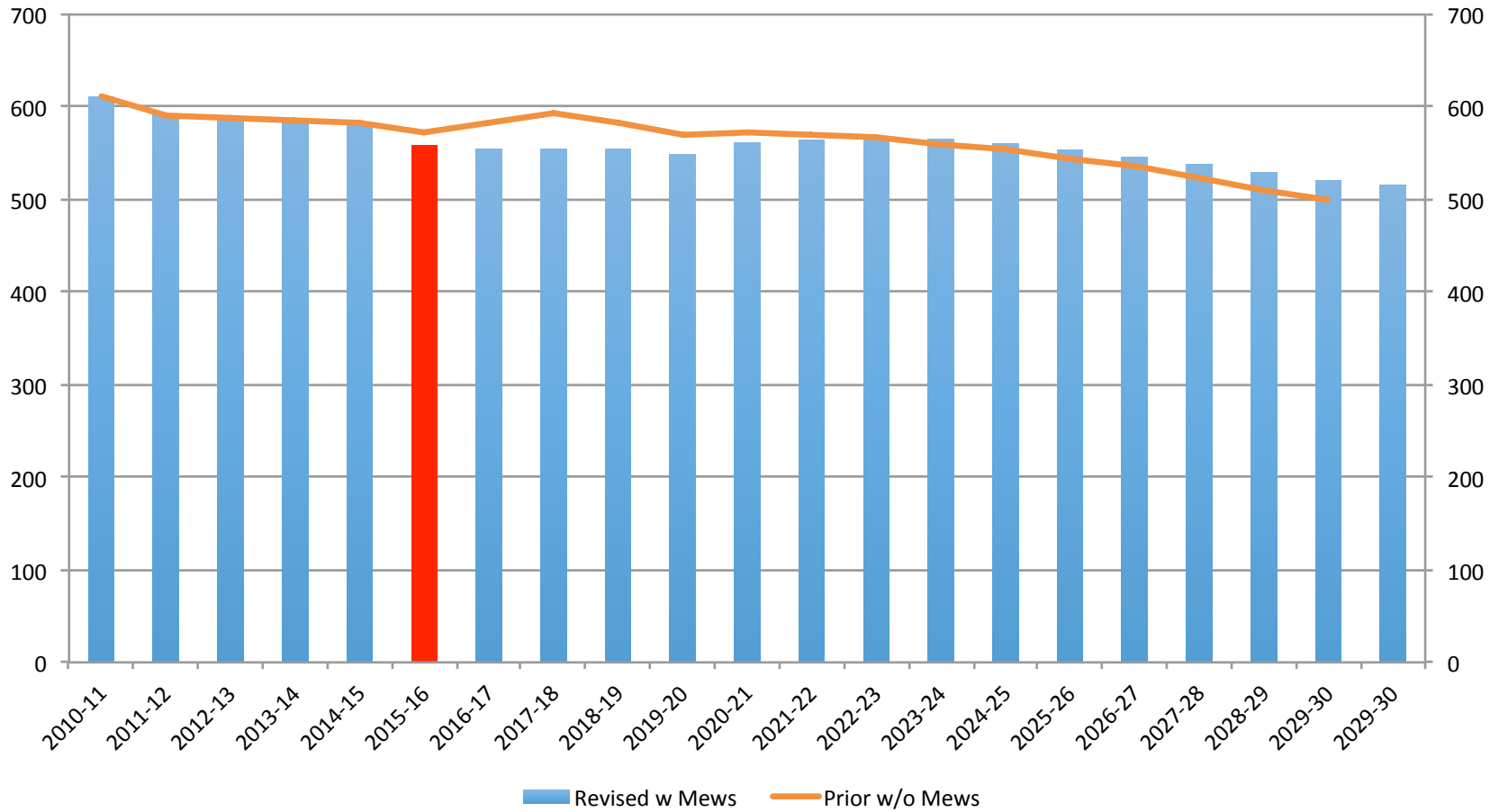
The attached charts include both the revised November 2015 projections, and a graphical depiction of enrollment by school, with a comparison to the prior (March 2015) projections.

ALG/alg
Attachment(s)

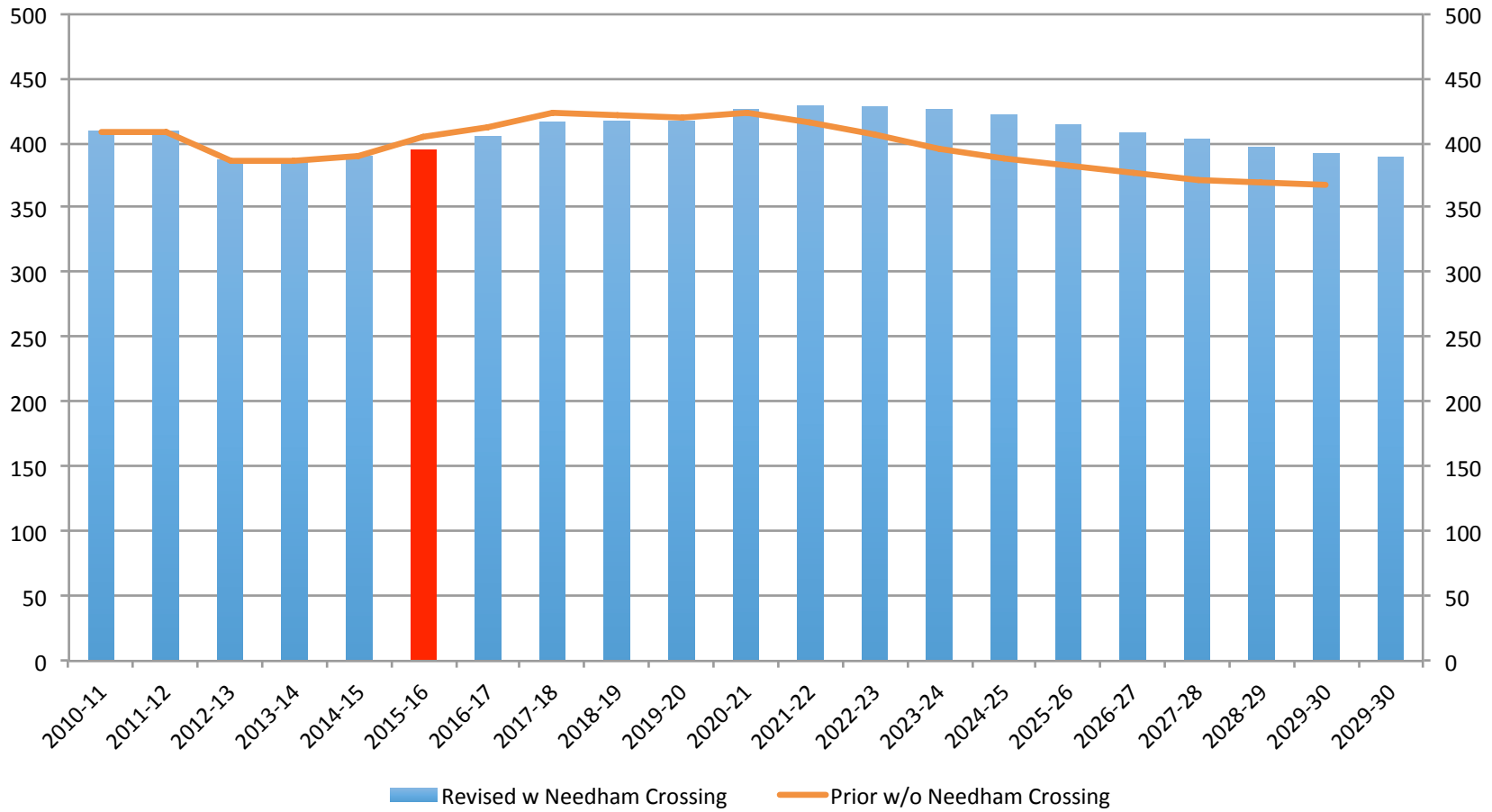
Needham Public Schools Projected Enrollment

Nov-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
PK	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
K	404	390	387	385	382	382	378	373	369	363	359	353	350	343	339	345
1	387	432	419	415	412	409	404	400	395	391	385	377	370	366	359	355
2	471	397	444	430	426	424	422	416	412	407	404	398	390	383	378	371
3	450	475	401	450	436	433	431	429	422	418	415	412	406	398	391	386
4	415	450	475	404	453	439	436	434	433	425	425	422	419	413	405	397
5	415	416	451	478	407	458	444	441	439	438	432	432	429	426	420	411
Total: K-5	2542	2560	2577	2562	2516	2545	2515	2493	2470	2442	2420	2394	2364	2329	2292	2265
6	451	430	431	467	495	421	476	462	459	457	456	451	451	448	445	439
7	439	442	421	422	458	488	408	462	448	445	452	451	446	446	444	441
8	400	432	435	415	416	453	483	404	457	444	443	450	449	444	444	442
Total: 7-8	839	874	856	837	874	941	891	866	905	889	895	901	895	890	888	883
9	449	398	430	433	413	414	451	481	402	455	442	441	448	447	442	442
10	396	447	396	428	431	411	412	449	479	400	453	440	439	446	445	440
11	407	392	443	392	424	427	407	408	445	474	396	448	436	435	442	441
12	412	405	390	441	390	422	425	405	406	443	472	394	446	434	433	440
SP	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total: 9-12	1666	1644	1661	1696	1660	1676	1697	1745	1734	1774	1765	1725	1771	1764	1764	1765
Total: PreK-12	5583	5593	5610	5647	5630	5668	5664	5651	5653	5647	5621	5556	5566	5516	5474	5437
Total: K-12	5498	5508	5525	5562	5545	5583	5579	5566	5568	5562	5536	5471	5481	5431	5389	5352
Total: PreK-12	5583	5593	5610	5647	5630	5668	5664	5651	5653	5647	5621	5556	5566	5516	5474	5437
Change	36	10	17	37	-17	38	-4	-13	2	-6	-26	-65	10	-50	-42	-37
%-Change	0.6%	0.2%	0.3%	0.7%	-0.3%	0.7%	-0.1%	-0.2%	0.0%	-0.1%	-0.5%	-1.2%	0.2%	-0.9%	-0.8%	-0.7%

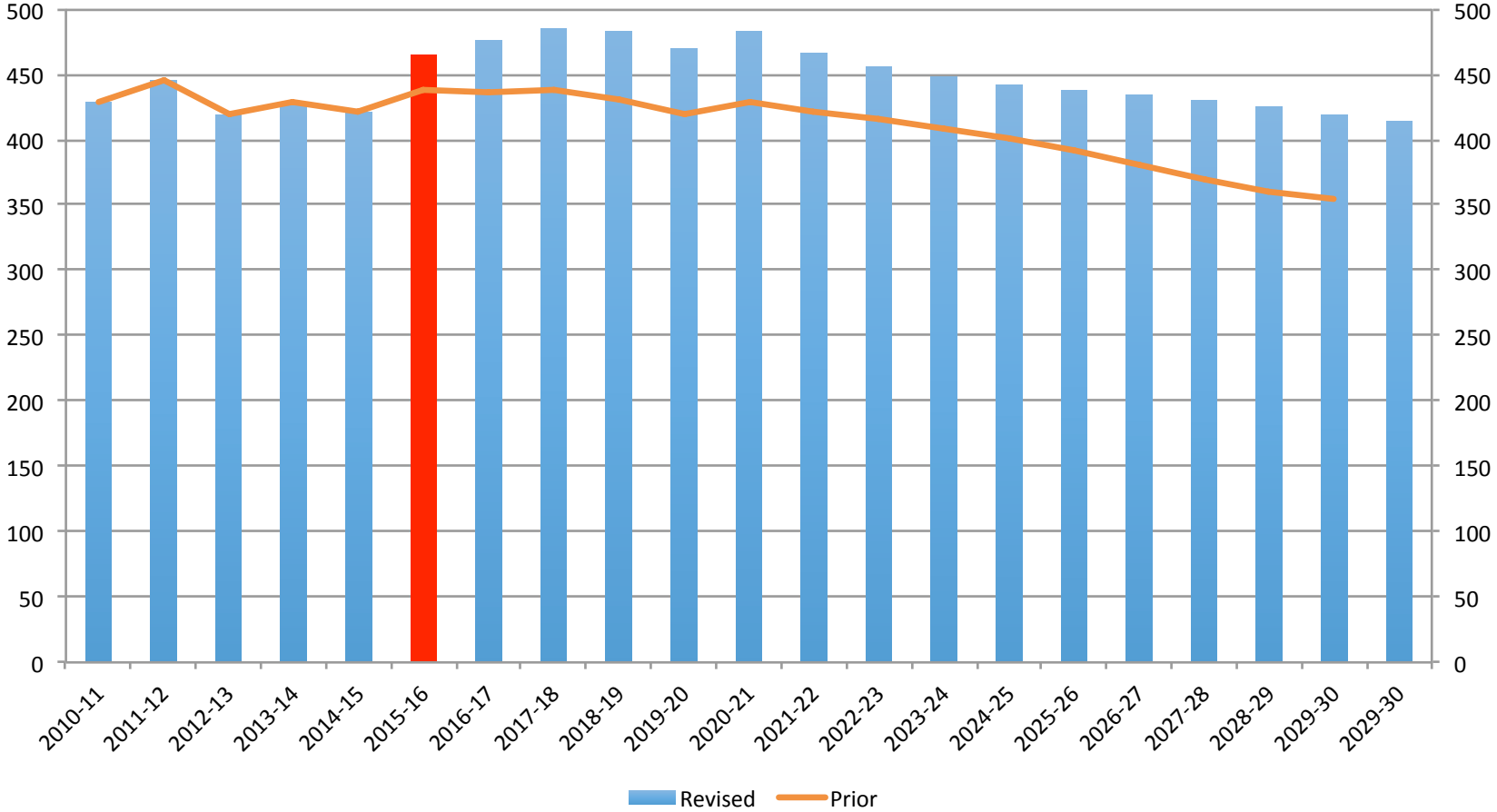
FY11-31 Broadmeadow School Enrollment



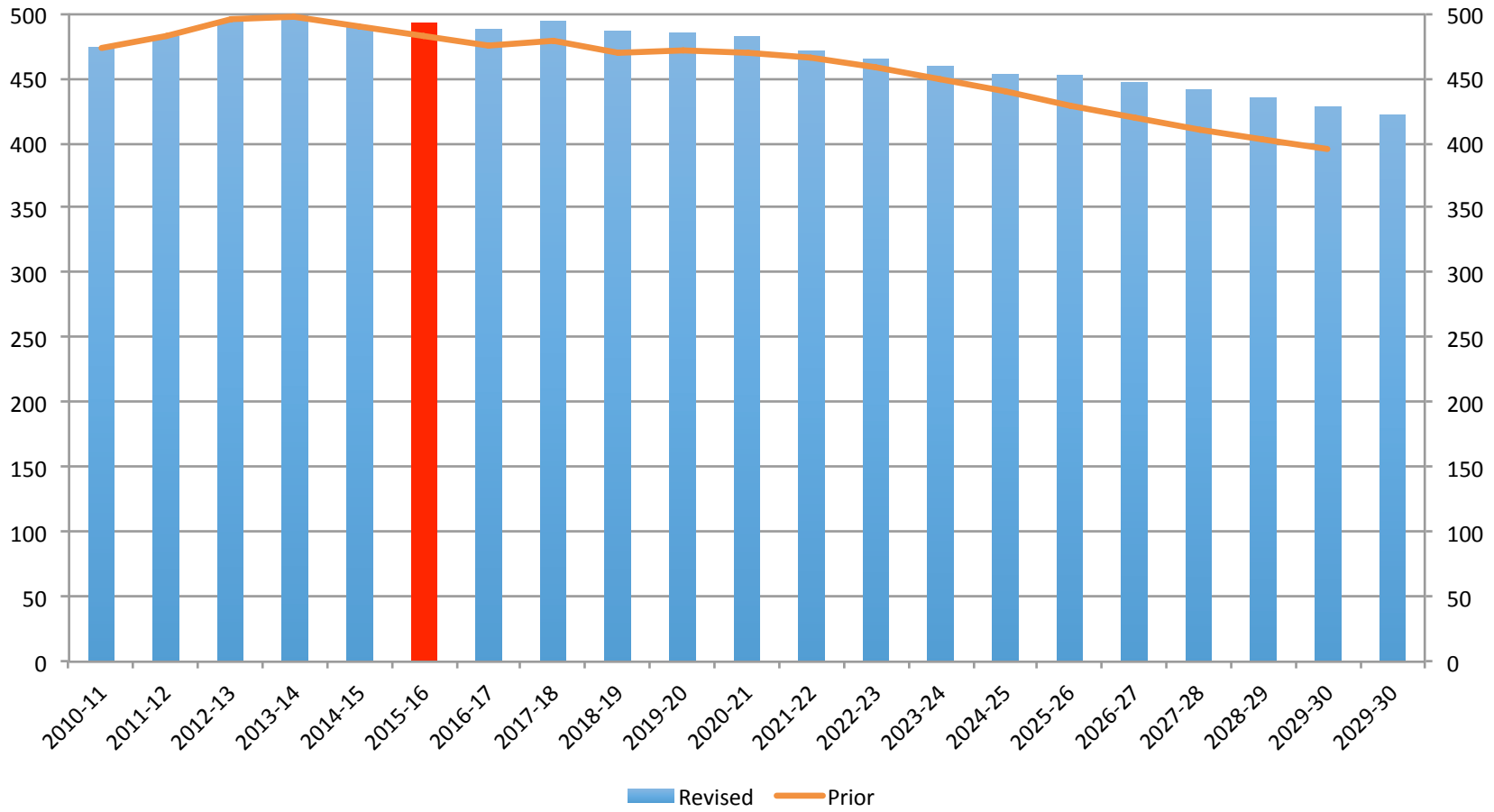
FY11-31 Eliot School Enrollment



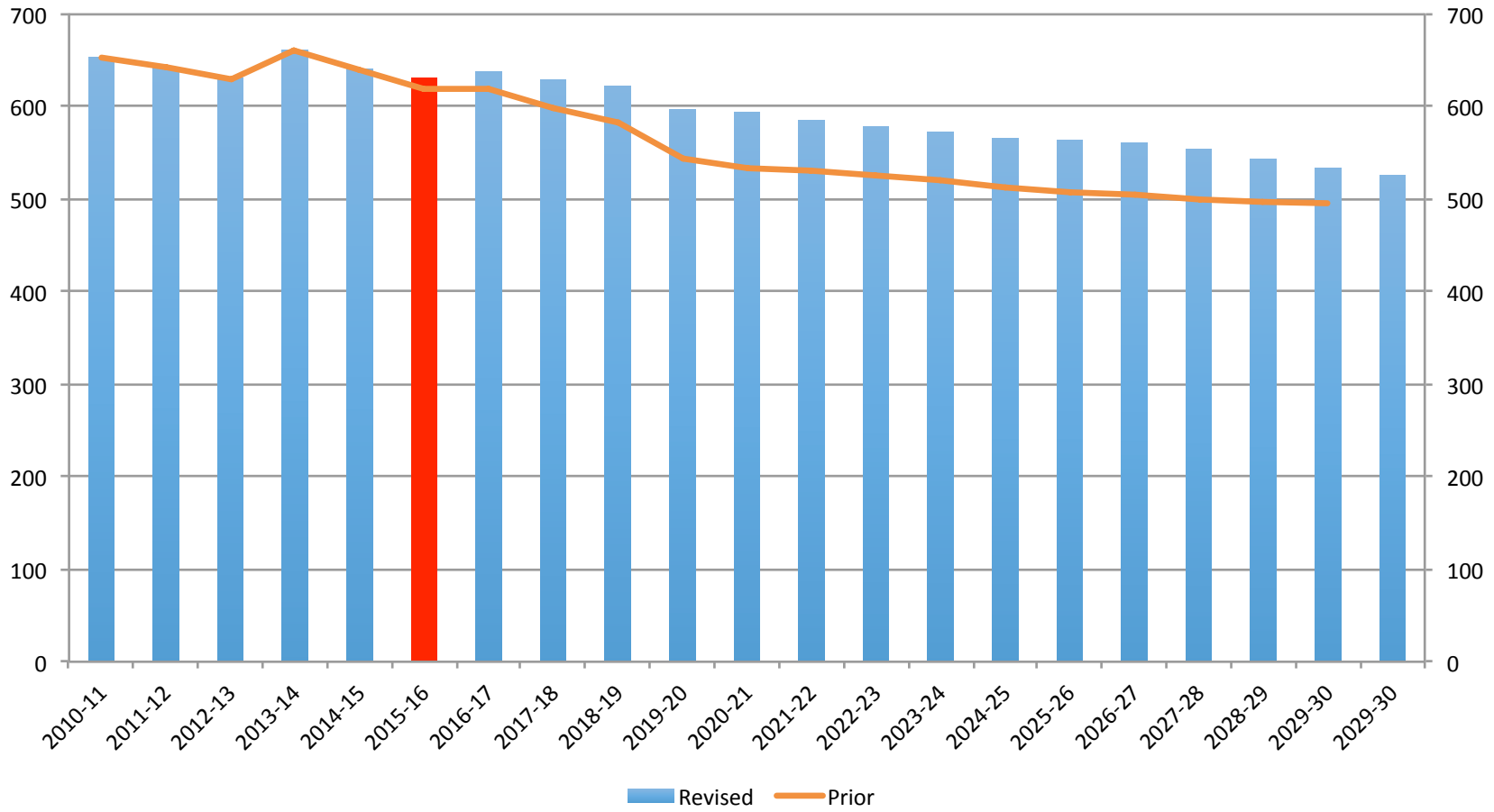
FY11-31 Hillside School Enrollment



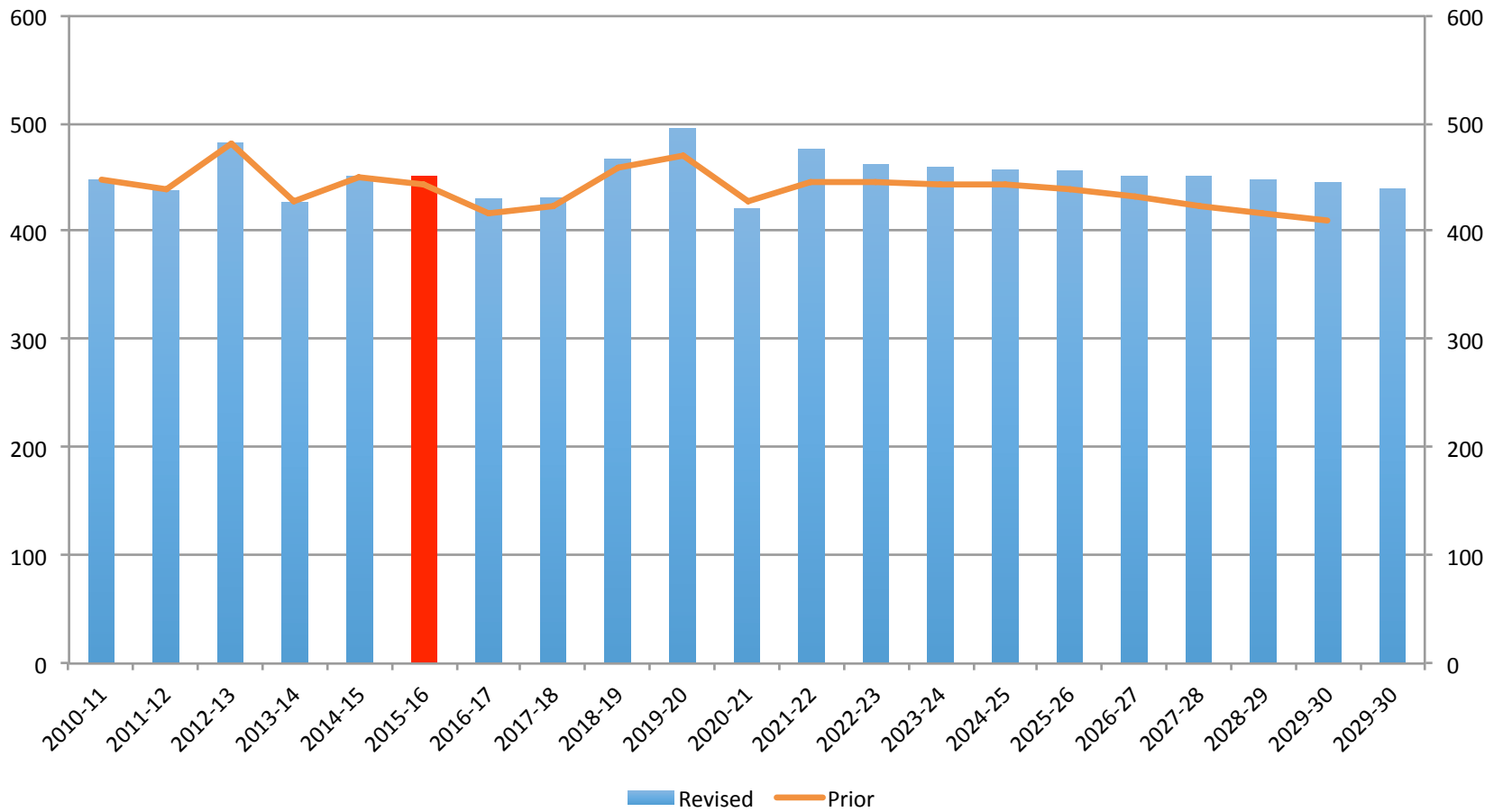
FY11-31 Mitchell School Enrollment



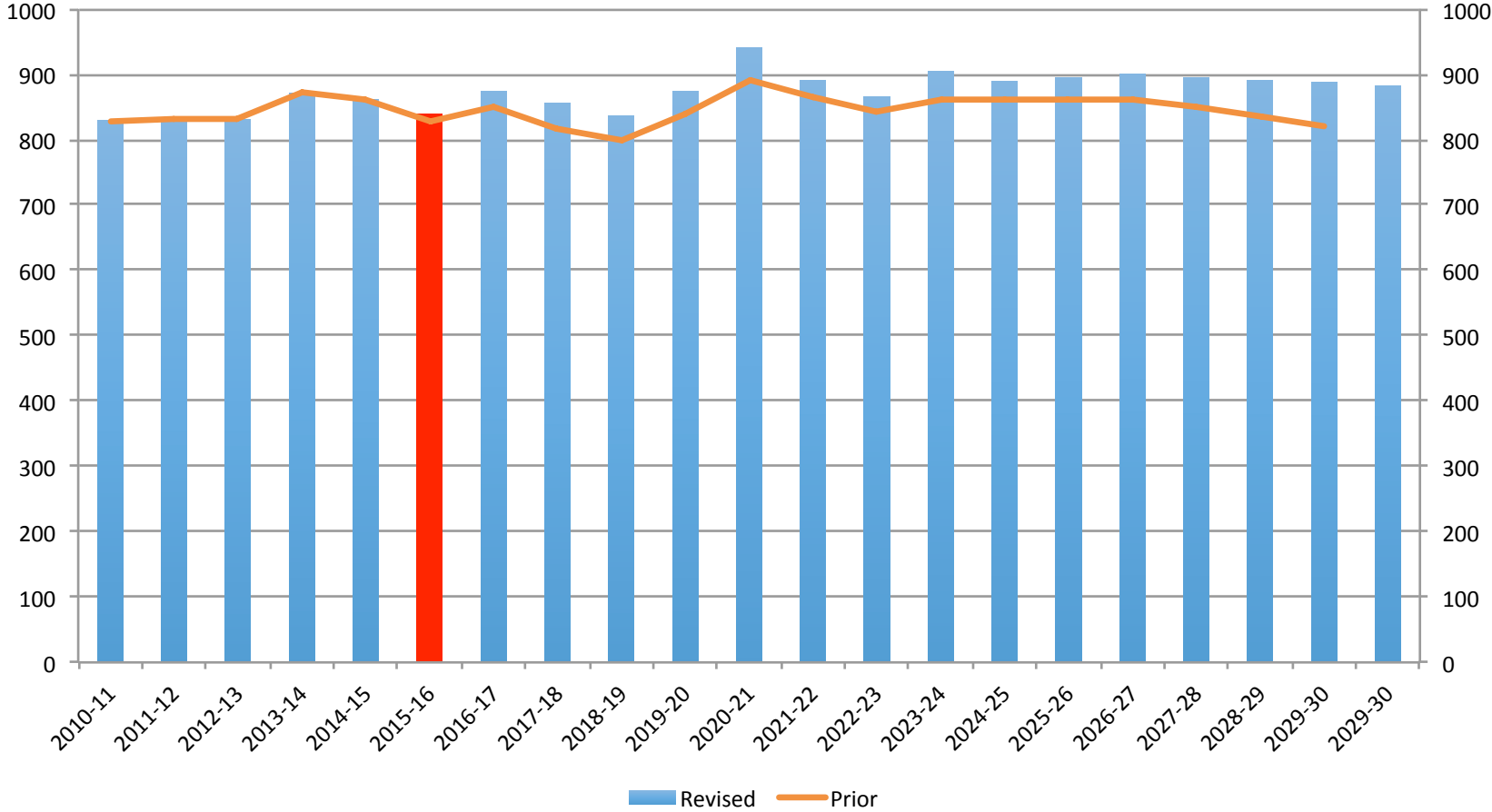
FY11-31 Newman School Enrollment



FY11-31 High Rock School Enrollment



FY11-31 Pollard School Enrollment



FY11-31 Needham High School Enrollment

