

**DEMOGRAPHIC UPDATE:
ENROLLMENTS AND APPLICATIONS
MINUTEMAN CAREER AND TECHNICAL HIGH
SCHOOL
LEXINGTON, MASSACHUSETTS
APRIL 19, 2011 REVISED**

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April 19, 2011 Revised

TO: Dr. Edward A. Bouquillon, Superintendent-Director
Minuteman Career & Technical High School

FROM: Donald G. Kennedy, Ed.D.

SUBJ: Demographic Update: Enrollments and Applications

Executive Summary

The freshman class at Minuteman in 2010-11 has 183 students. This number is projected to rise by 2015-16, to 284 pupils in Grade 9. The principal base from which the freshman class is drawn, is the Grade 8 population of 19 communities (16 member towns; plus Medford, Waltham, and Watertown, the “Big 3” who submit 50-75 applications per year). The Grade 8 population of these 19 communities has risen from 4,182 students in 2000-01; to 4,429 pupils in 2010-11; and is projected to increase to 4,969 students in 2020-21. In addition, 70-75 applications are submitted each year from 20-30 “Other” communities, beyond the “Big 3”.

In 2009, Minuteman adopted a new communication strategy that already has resulted in a significantly higher total number of applications for the Grade 9 class in Fall 2010, and for Fall 2011. Thus, effective recruitment can be even more important as a factor than population growth in the total enrollment of Grade 8. Minuteman received 239 applications for admission to Grade 9 in 2010-11. The school is expected to receive 284 similar applications for 2015-16; and 281 applications for Grade 9 admission in 2020-21. The student yield from applications in recent years has been at least 71.6%, the factor conservatively used in these projections (in 2010-11 there was a 76.6% yield...239 applications led to 183 students enrolled in Grade 9).

The number of Post Graduate students also is increasing. In 2000-01 there were only 36 Post Graduate applications, and 46 in the following year, although the average for the past decade has grown to 81 PG applications per year. In 2009-10 there were 126 applications yielding 80 PG students; and in 2010-11 there were 218 PG applications yielding 120 PG students.

1. The principal source for Grade 9 admission to Minuteman is the result of applications filed by students in Grade 8. For this reason, the Grade 8 column is highlighted (in

yellow) on the charts on pages 7-10 of this memo. Pages 7 and 8 display summary data from the 16 communities that are members of the Minuteman District (described below as "M16"). Page 7 displays the sum of the PK-12 public school enrollments in those 16 school districts from 2000-01 to 2010-11. Page 8 displays projected data ten years into the future, to 2020-21. On pages 2-5 note that, in any given year, 8th graders from 20-30 additional non-member communities also apply for Grade 9 admission. Pages 9 and 10 display a larger set of totals for those same years, by adding in the "Big 3" non-member communities of Medford, Waltham, and Watertown which have contributed a total of 40-60 additional students to Minuteman's freshman class, each fall for the last several school years. Pages 11 and 12 display the "Big 3" communities alone.

Focusing upon Grade 8, the "principal base" from which applications are received for fall admission to Grade 9, the Grade 8 total of the 16 Minuteman member school districts rose from 3,246 students in 2000-01 to 3,555 in 2010-11...and is expected to rise further to 3,773 pupils in Grade 8 by 2020-21 (see pages 7-8). An even more substantial rise is projected if we add in the "Big 3" communities to the Minuteman base of 16 towns: 4,182 Grade 8 students in 2000-01 v. 4,429 in 2010-11 v. 4,969 in 2020-21 (see pages 9-10). Thus, if we assume that the percentage of applications to Minuteman coming from 8th graders would remain constant (at about 4.4% of the Grade 8 total in the 16 towns), the number of applications would rise (by 2-16 applications, even if there were no additional "Big 3" applications)...a subject which is addressed in topics two and three below.

- Below is a table displaying, for 2000-01 to 2010-11 as well as the projection for 2015-16 and 2020-21, the number and percentage of Grade 8 applications from the 16 Minuteman communities (M16)...as well as the Grade 9 enrollment from the 16 member communities plus the "Big 3" communities (B3).

Minuteman 2000-01 to 2020-21: Applications from Gr. 8, Enrollments in Gr. 9

School Year	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10	10-11	15-16 Proj	20-21 Proj
Gr.8 M16	3246	3289	3431	3567	3484	3435	3473	3487	3554	3525	3555	3879	3559
M16 Apps	140	139	160	162	173	165	123	162	139	121	155	171	157
% M16 Apps	0.043	0.042	0.047	0.045	0.050	0.048	0.035	0.046	0.039	0.034	0.044	0.044	0.044
Gr. 9 Enrollment	175	203	178	187	193	184	157	157	164	113	183	n/a	n/a
Gr.9 M16	96	110	115	135	139	116	93	101	99	70	103	n/a	n/a
Gr.9 M16 + B3	116	125	155	165	173	154	114	119	116	85	127	n/a	n/a

Since the 1970's, NESDEC has been providing enrollment projections for school districts in all six New England states. In recent years, these have totaled 275 or more sets of

forecasts each year...including some for regional vocational districts such as Minuteman. Over the years, it has been evident that the percentage of Grade 8 students applying for Grade 9 enrollment in vocational programs is influenced heavily by the demographic characteristics of the community in which the students live.

In large urban areas it is usual for 30%+ of Grade 8 to apply to vocational programs. In rural and suburban Massachusetts communities the percentage of Grade 8 students applying to regional vocational programs generally ranges between 11-18% of the Grade 8 population of the member communities...inversely proportional to the median income of the families.

Interestingly, the nation has (and will continue to have) a shortage of graduates who hope to pursue careers in Engineering, Technology, Science, and Math (sometimes abbreviated as "STEM")...the very areas in which Minuteman is strong and growing stronger. Minuteman adopted a new communication strategy beginning in the Fall of 2009 that has resulted in a significantly higher total number of applications being submitted for the Fall 2010 Freshman class. Applications are tracking for a similarly increased applicant pool for the Fall 2011 Freshman class.

It is likely that this upward trend will continue as communications have become more effective. Each 1% of increase from the 16 Minuteman communities would yield at least 35 additional students applying for Grade 9 admission (1% of 3,500 = 35). It would be reasonable to expect a rise of at least 2-3%, and maybe more.

3. The table below also condenses data from the eleven school years from 2000 to present. The reader will note large fluctuations in the number of applications from each of the 16 Minuteman communities, and from the "Big Three" as compared to the relatively small differences in the size of the 8th grade groups who are submitting the applications. Thus the data suggest that communicating, recruiting, and marketing do make a substantial difference in the number of applications that will be submitted for admission to Grade 9. **Said differently: recruitment can be more important than growth in the Grade 8 total enrollment.**

The 20-30 "Other" Communities referred to on pages 4-5 as submitting applications to Minuteman and enrolling students, include (in order of frequency) residents of Cambridge, Boston, Woburn, Somerville, Malden, Lowell, Burlington, Ayer, Billerica, Stoneham, and other communities.

Minuteman Applications for Grade 9 Admission, 2000-2010, by Community

	Median Grade 8	Largest Grade 8	Fewest Gr 9 Apps	Most Gr 9 Apps	Apps for Fall 2010	% Apps for 2010**	Highest % Apps**
Acton	366	407	9	15	11	3%	4%
Arlington	317	350	35	72	41	13%	23%
Belmont	278	298	6	16	16	6%	6%
Bolton	72	87	1	7	3	4%	10%
Boxborough	99	101	2	7	5	5%	7%
Carlisle	89	103	0	4	2	2%	4%
Concord	216	241	2	12	2	1%	6%
Dover	158	177	0	1	0	0%	1%
Lancaster	85	100	5	18	7	8%	21%
Lexington	499	546	9	25	20	4%	5%
Lincoln	67	81	0	4	0	0%	6%
Needham	351	375	4	16	15	4%	5%
Stow	89	103	4	21	16	18%	24%
Sudbury	313	360	3	12	8	3%	4%
Wayland	214	246	2	10	4	2%	5%
Weston	181	204	0	5	5	3%	3%
Subtotals			82	245	155		
Medford	368	415	0 (11)*	26	24	7%	7%
Waltham	365	386	0 (4)*	19	17	5%	5%
Watertown	185	221	12	38	12	6%	21%
Subtotals			27	83	53		
“Other” Communities	--	--	59	95	95	--	--

* Medford and Watertown were not yet involved in 2000; the numbers in parentheses are for 2002.

** The percentage is based upon the median size of Grade 8, as the actual years differ; for most districts, the difference between the Grade 8 median and the largest Grade 8, is slight.

What is the projected enrollment range for Minuteman? For Fall of 2010, there were 155 applications from the 16 Minuteman communities (M 16), which was a 4.4% application rate from the relevant Grade 8. Given the data on pages 2-3, indicating much higher rates of application from other suburban regional vocational-technical high schools, it is reasonable to assume conservatively, that the applications from M16 communities will rise to 5.4% in Spring 2011 (228 applications for Fall 2011) and 6.4% in Spring 2012 (241 applications for Fall 2012)...and remain at least at that level. Note that these conservative estimates are below the “Most Gr. 9 Apps” subtotal of 245 applications.

Further, for Fall of 2010, there were 148 applications from non-member communities, including 53 applications from the “Big 3” communities of Medford, Waltham, and Watertown. The Medford and Waltham application numbers (24 + 17) were typical of recent years, whereas the

12 applications from Watertown were well below the high of 38 applications. Thus, we can conservatively estimate that the growing Grade 8 from the “Big 3” communities will generate at least 68 applications to Minuteman for 2011 and 2012. The estimate of 68 applications was selected, as it is midway between the 53 “Big 3” applications for 2010-11 and the “Big 3” historic high of 83 applications. For 2011-12, 68 applications would represent an application rate of only 7.8% of the “Big 3” Grade 8 population of 874 students. Data on pages 2-3 suggests higher application rates from urban areas, however Medford and Waltham currently operate a small number of vocational programs that accommodate students seeking these Chapter 74 programs. Minuteman offers 13 additional programs that attract 6-9% of the Grade 8 applications. See also the chart below.

Thus, $192 (M16) + 68 (\text{“Big 3”}) + 74 (\text{“Other” non-member communities}) = 334$ applications for Fall 2011; and $241 (M16) + 72 \text{ “Big 3”} + 74 (\text{“Other”}) = 387$ applications for Fall 2012. Application numbers should rise in future years, with the increasing size of Grade 8.

Future Grade 9 Minuteman Enrollment

Size of Sending Grade 8 M16 + Big 3	Number of Applications M16 + Big 3 + “Other” = Apps*	School Year	Size of Grade 9 at Minuteman **
4429	$192 + 68 + 74 = 334$	2011-12	239
4677	$241 + 72 + 74 = 387$	2012-13	277
4678	$241 + 72 + 74 = 387$	2013-14	277
4719	$239 + 78 + 74 = 391$	2014-15	280
4849	$248 + 77 + 74 = 396$	2015-16	284
4627	$239 + 72 + 74 = 311$	2016-17	276
4871	$249 + 80 + 74 = 403$	2017-18	289
4961	$254 + 80 + 74 = 412$	2018-19	295
4953	$249 + 86 + 74 = 409$	2019-20	293
4765	$228 + 90 + 74 = 392$	2020-21	281

* Number of applications from M16 communities + number of applications from “Big 3” communities + number of applications from 20-30 “Other” non-member communities = total applications for admission to Grade 9. The chart assumes 5.4% applications from M16 communities for 2011, and 6.4% applications for 2012 and beyond (see page 2). In fact, applications could rise to 7.4% for 2013 and beyond...although this greater yield is not displayed in the table. Further, the chart conservatively assumes a consistent rate of 7.5% applications from the “Big 3” communities for 2011 through 2020 (see page 2). And lastly, the chart conservatively assumes a consistent 74 applications from the 20-30 “Other” non-member communities (which is the average number over the past 11 years from 2000-2010; in 2010 there were 95 applications from 23 “Other” non-member communities).

** The “student yield” (October 1 Enrollment/Applications) has averaged 71.6% at Minuteman, over the ten-year period from 2000 to 2010. Thus NESDEC has assumed, conservatively, a continuing 71.6% student yield from the Number of Applications column.

4. The number of Post Graduate (PG) students is steadily increasing. In 2000-01 there were only 36 Post Graduate applications, and only 46 PG applications in the following year. However the numbers have risen to an average of 81 PG applications per year over the last eleven school years from 2000-01 to 2010-11. In 2007-08, there were 88 PG applications (resulting in 62 PG students attending Minuteman); in 2008-09 in there were 75 PG applications (resulting in 58 PG students enrolled); in 2009-10 there were 126 PG applications (resulting in 80 PG students); and in 2010-11 there were a high of 218 PG applications (resulting in a record-breaking enrollment of 120 PG students). In ten of the past eleven years, the number of PG applications from persons who were graduates of the M16 communities has substantially outnumbered the number who were graduates of non-member communities. In 2009-10 and in 2010-11, 60% of the Post Graduate applications were from graduates of the M16 member communities.

Thus Minuteman Career and Technical School appears to be effectively communicating its opportunities at present to the Post Graduate community. There is every reason to believe that the number of Post Graduates at Minuteman will continue to be at least as numerous as the groups of the most recent two school years. The acceleration of the changes in Information Technology, Biotechnology, Engineering, and other technical career fields over the past five years, suggest that this may be an increasingly large market to serve in Minuteman's geographic area, both as Post Graduates, and in Adult Career Education.

Minuteman 16 Communities Historical Enrollment

School District: **Minuteman 16 Communities**

1/24/2011

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
1995	2985	2000-01	127	3138	3280	3384	3310	3341	3555	3478	3285	3246	3011	2852	2634	2492	85	41091	41218
1996	2819	2001-02	372	3082	3377	3321	3423	3311	3339	3603	3405	3289	3144	2987	2805	2590	89	41765	42137
1997	3004	2002-03	539	3181	3213	3385	3372	3422	3287	3450	3577	3431	3202	3103	2956	2752	89	42420	42959
1998	2886	2003-04	511	3281	3289	3345	3431	3395	3435	3401	3477	3567	3298	3179	3069	2885	0	43052	43563
1999	2899	2004-05	489	3188	3444	3354	3395	3415	3422	3518	3429	3484	3450	3294	3161	3004	0	43558	44047
2000	2904	2005-06	530	3110	3386	3508	3405	3377	3412	3486	3484	3435	3412	3428	3269	3102	1	43815	44345
2001	2885	2006-07	556	3193	3268	3444	3577	3368	3377	3503	3510	3473	3358	3373	3371	3222	0	44037	44593
2002	2695	2007-08	531	2941	3377	3358	3492	3595	3411	3492	3504	3487	3384	3345	3343	3357	4	44090	44621
2003	2623	2008-09	610	3128	3225	3446	3438	3513	3583	3442	3518	3554	3483	3359	3336	3325	4	44354	44964
2004	2616	2009-10	687	3160	3328	3339	3521	3456	3554	3673	3457	3525	3476	3415	3347	3305	5	44561	45248
2005	2392	2010-11	697	3166	3478	3531	3475	3664	3576	3703	3724	3555	3301	3327	3283	3208	15	45006	45703

Historical Enrollment in Grade Combinations									
Year	PK-5	K-5	K-6	K-8	5-8	6-8	7-8	7-12	9-12
2000-01	20135	20008	23486	30017	13564	10009	6531	17520	10989
2001-02	20225	19853	23456	30150	13636	10297	6694	18220	11526
2002-03	20399	19860	23310	30318	13745	10458	7008	19021	12013
2003-04	20687	20176	23577	30621	13880	10445	7044	19475	12431
2004-05	20707	20218	23736	30649	13853	10431	6913	19822	12909
2005-06	20728	20198	23684	30603	13817	10405	6919	20130	13211
2006-07	20783	20227	23730	30713	13863	10486	6983	20307	13324
2007-08	20705	20174	23666	30657	13894	10483	6991	20420	13429
2008-09	20943	20333	23775	30847	14097	10514	7072	20575	13503
2009-10	21045	20358	24031	31013	14209	10655	6982	20525	13543
2010-11	21587	20890	24593	31872	14558	10982	7279	20398	13119

Historical Percentage Changes			
Year	K-12	Diff.	%
2000-01	41091	0	0.0%
2001-02	41765	674	1.6%
2002-03	42420	655	1.6%
2003-04	43052	632	1.5%
2004-05	43558	506	1.2%
2005-06	43815	257	0.6%
2006-07	44037	222	0.5%
2007-08	44090	53	0.1%
2008-09	44354	264	0.6%
2009-10	44561	207	0.5%
2010-11	45006	445	1.0%
K-12 Change		3915	9.5%

Minuteman 16 Communities Projected Enrollment

School District: Minuteman 16 Communities

1/24/2011

Enrollment Projections By Grade*																				
Birth Yr.	Births		School Year	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2005	2392		2010-11	697	3166	3478	3531	3475	3664	3576	3703	3724	3555	3301	3327	3283	3208	15	45006	45703
2006	2401		2011-12	700	2890	3418	3603	3620	3524	3715	3675	3727	3759	3455	3240	3282	3233	15	45156	45856
2007	2545		2012-13	703	3064	3120	3541	3693	3671	3573	3817	3699	3762	3653	3391	3196	3232	15	45427	46130
2008	2515		2013-14	706	3028	3308	3233	3630	3746	3722	3671	3842	3734	3656	3586	3345	3148	15	45664	46370
2009	2494	(est.)	2014-15	709	3002	3269	3427	3314	3682	3798	3825	3695	3879	3629	3589	3538	3295	15	45957	46666
2010	2469	(est.)	2015-16	712	2973	3241	3387	3513	3361	3733	3903	3850	3730	3770	3562	3541	3485	15	46064	46776
2011	2485	(est.)	2016-17	715	2991	3210	3358	3472	3563	3408	3836	3928	3887	3625	3701	3514	3488	15	45996	46711
2012	2502	(est.)	2017-18	718	3012	3229	3326	3442	3521	3613	3502	3861	3965	3778	3558	3651	3461	15	45934	46652
2013	2493	(est.)	2018-19	721	3001	3252	3346	3409	3491	3570	3713	3525	3898	3854	3708	3510	3596	15	45888	46609
2014	2489	(est.)	2019-20	724	2996	3240	3369	3430	3457	3540	3668	3737	3559	3789	3783	3658	3457	15	45698	46422
2015	2488	(est.)	2020-21	727	2995	3235	3357	3453	3479	3505	3638	3692	3773	3459	3719	3732	3603	15	45655	46382

*Projections should be updated on an annual basis.

Based on an estimate of births

Based on children already born

Based on students already enrolled

Projected Enrollment in Grade Combinations*									
Year	PK-5	K-5	K-6	K-8	5-8	6-8	7-8	7-12	9-12
2010-11	21587	20890	24593	31872	14558	10982	7279	20398	13119
2011-12	21470	20770	24445	31931	14876	11161	7486	20696	13210
2012-13	21365	20662	24479	31940	14851	11278	7461	20933	13472
2013-14	21373	20667	24338	31914	14969	11247	7576	21311	13735
2014-15	21201	20492	24317	31891	15197	11399	7574	21625	14051
2015-16	20920	20208	24111	31691	15216	11483	7580	21938	14358
2016-17	20717	20002	23838	31653	15059	11651	7815	22143	14328
2017-18	20861	20143	23645	31471	14941	11328	7826	22274	14448
2018-19	20790	20069	23782	31205	14706	11136	7423	22091	14668
2019-20	20756	20032	23700	30996	14504	10964	7296	21983	14687
2020-21	20751	20024	23662	31127	14608	11103	7465	21978	14513

Projected Percentage Changes			
Years	K-12	Diff.	%
2010-11	45006	0	0.0%
2011-12	45156	150	0.3%
2012-13	45427	271	0.6%
2013-14	45664	237	0.5%
2014-15	45957	293	0.6%
2015-16	46064	107	0.2%
2016-17	45996	-68	-0.1%
2017-18	45934	-62	-0.1%
2018-19	45888	-46	-0.1%
2019-20	45698	-190	-0.4%
2020-21	45655	-43	-0.1%
K-12 Change	649	1.4%	

Projections are more reliable for Years #1-5 in the future than for Year #6 and beyond.

Minuteman + "Big 3" Historical Enrollment

School District: **Minuteman Communities + "Big Three"**

1/24/2011

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
1995	4811	2000-01	334	4024	4198	4310	4279	4276	4542	4390	4211	4182	4025	3799	3492	3318	85	53131	53465
1996	4649	2001-02	624	3935	4200	4163	4287	4245	4241	4560	4329	4197	4111	3918	3749	3385	89	53409	54033
1997	4678	2002-03	746	4036	4093	4207	4201	4283	4223	4378	4548	4392	4127	4021	3917	3667	89	54182	54928
1998	4593	2003-04	676	4211	4093	4195	4210	4243	4296	4338	4401	4530	4282	4087	3979	3799	0	54664	55340
1999	4589	2004-05	737	4147	4323	4161	4262	4211	4268	4404	4375	4399	4470	4239	4042	3881	0	55182	55919
2000	4581	2005-06	792	4039	4303	4382	4216	4235	4215	4366	4391	4423	4329	4414	4209	3933	3	55458	56250
2001	4537	2006-07	837	4164	4180	4335	4483	4201	4255	4368	4397	4399	4364	4309	4344	4143	2	55944	56781
2002	4370	2007-08	884	3838	4293	4253	4347	4473	4223	4379	4369	4378	4321	4305	4277	4306	10	55772	56656
2003	4357	2008-09	951	4123	4178	4365	4336	4370	4465	4286	4427	4418	4373	4280	4275	4197	9	56102	57053
2004	4244	2009-10	1059	4192	4314	4232	4454	4375	4406	4564	4319	4440	4396	4267	4239	4211	10	56419	57478
2005	4123	2010-11	1061	4219	4473	4486	4333	4589	4514	4597	4636	4429	4221	4220	4130	4067	22	56936	57997

Historical Enrollment in Grade Combinations									
Year	PK-5	K-5	K-6	K-8	5-8	6-8	7-8	7-12	9-12
2000-01	25963	25629	30019	38412	17325	12783	8393	23027	14634
2001-02	25695	25071	29631	38157	17327	13086	8526	23689	15163
2002-03	25789	25043	29421	38361	17541	13318	8940	24672	15732
2003-04	25924	25248	29586	38517	17565	13269	8931	25078	16147
2004-05	26109	25372	29776	38550	17446	13178	8774	25406	16632
2005-06	26182	25390	29756	38570	17395	13180	8814	25699	16885
2006-07	26455	25618	29986	38782	17419	13164	8796	25956	17160
2007-08	26311	25427	29806	38553	17349	13126	8747	25956	17209
2008-09	26788	25837	30123	38968	17596	13131	8845	25970	17125
2009-10	27032	25973	30537	39296	17729	13323	8759	25872	17113
2010-11	27675	26614	31211	40276	18176	13662	9065	25703	16638

Historical Percentage Changes			
Year	K-12	Diff.	%
2000-01	53131	0	0.0%
2001-02	53409	278	0.5%
2002-03	54182	773	1.4%
2003-04	54664	482	0.9%
2004-05	55182	518	0.9%
2005-06	55458	276	0.5%
2006-07	55944	486	0.9%
2007-08	55772	-172	-0.3%
2008-09	56102	330	0.6%
2009-10	56419	317	0.6%
2010-11	56936	517	0.9%
K-12 Change		3805	7.2%

Minuteman + "Big 3" Projected Enrollment

School District: Minuteman Communities + "Big Three"

1/24/2011

Enrollment Projections By Grade*																				
Birth Yr.	Births		School Year	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2005	4123		2010-11	1061	4219	4473	4486	4333	4589	4514	4597	4636	4429	4221	4220	4130	4067	22	56936	57997
2006	4233		2011-12	1071	4059	4465	4570	4561	4379	4639	4638	4637	4677	4348	4129	4161	4044	22	57329	58400
2007	4415		2012-13	1081	4234	4295	4562	4646	4609	4427	4766	4678	4678	4591	4253	4071	4075	22	57907	58988
2008	4274		2013-14	1091	4098	4481	4388	4638	4695	4659	4548	4807	4719	4592	4491	4193	3987	22	58318	59409
2009	4258	(est.)	2014-15	1101	4083	4337	4578	4461	4687	4746	4787	4587	4849	4633	4492	4428	4106	22	58796	59897
2010	4261	(est.)	2015-16	1111	4085	4321	4431	4654	4508	4738	4876	4828	4627	4760	4532	4429	4336	22	59147	60258
2011	4288	(est.)	2016-17	1121	4112	4323	4415	4505	4703	4557	4868	4918	4871	4542	4656	4468	4337	22	59297	60418
2012	4299	(est.)	2017-18	1131	4122	4351	4417	4488	4553	4754	4682	4910	4961	4782	4443	4591	4375	22	59451	60582
2013	4276	(est.)	2018-19	1141	4100	4362	4446	4490	4536	4602	4884	4723	4953	4870	4678	4381	4496	22	59543	60684
2014	4276	(est.)	2019-20	1151	4101	4339	4457	4520	4538	4585	4728	4926	4765	4862	4764	4612	4290	22	59509	60660
2015	4280	(est.)	2020-21	1161	4104	4340	4433	4531	4568	4587	4711	4769	4969	4678	4756	4697	4516	22	59681	60842

*Projections should be updated on an annual basis.

Based on an estimate of births

Based on children already born

Based on students already enrolled

Projected Enrollment in Grade Combinations*									
Year	PK-5	K-5	K-6	K-8	5-8	6-8	7-8	7-12	9-12
2010-11	27675	26614	31211	40276	18176	13662	9065	25703	16638
2011-12	27744	26673	31311	40625	18591	13952	9314	25996	16682
2012-13	27854	26773	31539	40895	18549	14122	9356	26346	16990
2013-14	28050	26959	31507	41033	18733	14074	9526	26789	17263
2014-15	27993	26892	31679	41115	18969	14223	9436	27095	17659
2015-16	27848	26737	31613	41068	19069	14331	9455	27512	18057
2016-17	27736	26615	31483	41272	19214	14657	9789	27792	18003
2017-18	27816	26685	31367	41238	19307	14553	9871	28062	18191
2018-19	27677	26536	31420	41096	19162	14560	9676	28101	18425
2019-20	27691	26540	31268	40959	19004	14419	9691	28219	18528
2020-21	27724	26563	31274	41012	19036	14449	9738	28385	18647

Projected Percentage Changes			
Years	K-12	Diff.	%
2010-11	56936	0	0.0%
2011-12	57329	393	0.7%
2012-13	57907	578	1.0%
2013-14	58318	411	0.7%
2014-15	58796	478	0.8%
2015-16	59147	351	0.6%
2016-17	59297	150	0.3%
2017-18	59451	154	0.3%
2018-19	59543	92	0.2%
2019-20	59509	-34	-0.1%
2020-21	59681	172	0.3%
K-12 Change		2745	4.8%

Projections are more reliable for Years #1-5 in the future than for Year #6 and beyond.

Minuteman "Big 3" Communities Historical Enrollment

School District: Minuteman "Big 3", MA

2/7/11

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
1995	1826	2000-01	207	886	918	926	969	935	987	912	926	936	1014	947	858	826	0	12040	12247
1996	1830	2001-02	252	853	823	842	864	934	902	957	924	908	967	931	944	795	0	11644	11896
1997	1674	2002-03	207	855	880	822	829	861	936	928	971	961	925	918	961	915	0	11762	11969
1998	1707	2003-04	165	930	804	850	779	848	861	937	924	963	984	908	910	914	0	11612	11777
1999	1690	2004-05	248	959	879	807	867	796	846	886	946	915	1020	945	881	877	0	11624	11872
2000	1677	2005-06	262	929	917	874	811	858	803	880	907	988	917	986	940	831	2	11643	11905
2001	1652	2006-07	281	971	912	891	906	833	878	865	887	926	1006	936	973	921	2	11907	12188
2002	1675	2007-08	353	897	916	895	855	878	812	887	865	891	937	960	934	949	6	11682	12035
2003	1734	2008-09	341	995	953	919	898	857	882	844	909	864	890	921	939	872	5	11748	12089
2004	1628	2009-10	372	1032	986	893	933	919	852	891	862	915	920	852	892	906	5	11858	12230
2005	1731	2010-11	364	1053	995	955	858	925	938	894	912	874	920	893	847	859	7	11930	12294

Historical Enrollment in Grade Combinations									
Year	PK-5	K-5	K-6	K-8	5-8	6-8	7-8	7-12	9-12
2000-01	5828	5621	6533	8395	3761	2774	1862	5507	3645
2001-02	5470	5218	6175	8007	3691	2789	1832	5469	3637
2002-03	5390	5183	6111	8043	3796	2860	1932	5651	3719
2003-04	5237	5072	6009	7896	3685	2824	1887	5603	3716
2004-05	5402	5154	6040	7901	3593	2747	1861	5584	3723
2005-06	5454	5192	6072	7967	3578	2775	1895	5569	3674
2006-07	5672	5391	6256	8069	3556	2678	1813	5649	3836
2007-08	5606	5253	6140	7896	3455	2643	1756	5536	3780
2008-09	5845	5504	6348	8121	3499	2617	1773	5395	3622
2009-10	5987	5615	6506	8283	3520	2668	1777	5347	3570
2010-11	6088	5724	6618	8404	3618	2680	1786	5305	3519

Historical Percentage Changes			
Year	K-12	Diff.	%
2000-01	12040	0	0.0%
2001-02	11644	-396	-3.3%
2002-03	11762	118	1.0%
2003-04	11612	-150	-1.3%
2004-05	11624	12	0.1%
2005-06	11643	19	0.2%
2006-07	11907	264	2.3%
2007-08	11682	-225	-1.9%
2008-09	11748	66	0.6%
2009-10	11858	110	0.9%
2010-11	11930	72	0.6%
K-12 Change		-110	-0.9%

Minuteman "Big 3" Communities Projected Enrollment

School District: Minuteman "Big 3", MA

2/7/11

Enrollment Projections By Grade*																				
Year	Births		School Year	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2005	1731		2010-11	364	1053	995	955	858	925	938	894	912	874	920	893	847	859	7	11930	12294
2006	1832		2011-12	367	1110	1060	964	946	863	931	969	914	919	896	892	879	809	7	12159	12526
2007	1870		2012-13	370	1133	1118	1028	956	953	869	961	992	919	943	868	877	839	7	12463	12833
2008	1975		2013-14	373	1192	1141	1084	1020	962	961	898	983	1001	940	912	853	838	7	12792	13165
2009	1807	(est.)	2014-15	376	1094	1200	1106	1076	1027	968	992	918	990	1028	913	896	814	7	13029	13405
2010	1843	(est.)	2015-16	379	1114	1102	1163	1097	1083	1033	1000	1014	923	1015	995	898	855	7	13299	13678
2011	1865	(est.)	2016-17	382	1129	1121	1069	1153	1104	1090	1067	1023	1021	944	983	977	858	7	13546	13928
2012	1872	(est.)	2017-18	385	1132	1136	1087	1061	1160	1111	1126	1092	1030	1043	917	965	933	7	13800	14185
2013	1873	(est.)	2018-19	388	1132	1139	1101	1078	1068	1169	1147	1151	1100	1056	1013	902	921	7	13984	14372
2014	1852	(est.)	2019-20	391	1120	1139	1104	1091	1085	1075	1208	1173	1159	1127	1023	998	861	7	14170	14561
2015	1861	(est.)	2020-21	394	1125	1127	1104	1094	1098	1092	1110	1236	1181	1187	1092	1004	953	7	14410	14804

*Projections should be updated on an annual basis.

Based on an estimate of births

Based on children already born

Based on students already enrolled

Projected Enrollment in Grade Combinations*									
Year	PK-5	K-5	K-6	K-8	5-8	6-8	7-8	7-12	9-12
2010-11	6088	5724	6618	8404	3618	2680	1786	5305	3519
2011-12	6241	5874	6843	8676	3733	2802	1833	5309	3476
2012-13	6427	6057	7018	8929	3741	2872	1911	5438	3527
2013-14	6733	6360	7258	9242	3843	2882	1984	5527	3543
2014-15	6847	6471	7463	9371	3868	2900	1908	5559	3651
2015-16	6971	6592	7592	9529	3970	2937	1937	5700	3763
2016-17	7048	6666	7733	9777	4201	3111	2044	5806	3762
2017-18	7072	6687	7813	9935	4359	3248	2122	5980	3858
2018-19	7075	6687	7834	10085	4567	3398	2251	6143	3892
2019-20	7005	6614	7822	10154	4615	3540	2332	6341	4009
2020-21	7034	6640	7750	10167	4619	3527	2417	6653	4236

Projected Percentage Changes			
Years	K-12	Diff.	%
2010-11	11930	0	0.0%
2011-12	12159	229	1.9%
2012-13	12463	304	2.5%
2013-14	12792	329	2.6%
2014-15	13029	237	1.9%
2015-16	13299	270	2.1%
2016-17	13546	247	1.9%
2017-18	13800	254	1.9%
2018-19	13984	184	1.3%
2019-20	14170	186	1.3%
2020-21	14410	240	1.7%
K-12 Change		2480	20.8%

Projections are more reliable for Years #1-5 in the future than for Years #6 and beyond.