

# ST. ANTHONY-NEW BRIGHTON PUBLIC SCHOOLS

RESIDENT ENROLLMENT PROJECTIONS

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# KEY FINDINGS

- The St. Anthony-New Brighton Public Schools are at a different life cycle stage: resident enrollment is increasing
  - Resident enrollment increased 224 students or 22.4 percent since 2006-07

# KEY FINDINGS

- Resident enrollment is likely to continue to increase for the following reasons:
  - The current enrollment per grade has “built in” growth momentum
  - Resident births in the district are increasing
  - Single-family detached housing units, when sold, have a higher student yield per unit than before they sold, a sign the district’s population is getting younger
  - The district has many single-family detached housing units with at least one person 75 years or older (355) units. Many of these units are likely to “turnover” in the next five to ten years

# KEY FINDINGS

- Resident enrollment in 2025-26 is projected to exceed today's total enrollment of 1,816
  - Resident enrollment, which is 1,224 today, is projected to range from 1,834 to 2,167 in 2025-26
  - Based on current nonresident kindergarten of one (1) per year and the migration rates of the past two years, nonresident enrollment will drop to 28 students by 2025-26, with 17 of these students in Grade 12
  - Based on these projection, St. Anthony-New Brighton Public Schools will serve residents only in 2025-26

# KEY FINDINGS

- The St. Anthony–New Brighton Public Schools' market share of 84.1 percent, which is higher than a typical Twin Cities suburban school district

# KEY FINDINGS

- The re-development of a mobile home park is under discussion but there are no firm proposals upon which to base enrollment projections

# EDUCATION CHOICES

2014-15

	Minnesota	St. Anthony-New Brighton
Nonpublic settings	9.3%	4.9%
Traditional schools	7.3%	3.6%
Home schools	1.9%	1.3%
Public Options		
Open enrollment		
In	7.7%	36.5%
Out	7.7%	5.4%
Charter schools	5.1%	3.8%
Capture Rate	76.6%	84.6%

# MAKING ENROLLMENT PROJECTIONS

- Two methodologies
  - Cohort Survival Method
  - Housing Unit Method
- Objective
  - Long term, not annual
- Look at evidence that are clues to future enrollment
- Realities
  - Randomness and fluctuations



# ENROLLMENT

Year	Total	Resident	Nonresident
2006-07	1,828	1,000	828
2007-08	1,823	984	839
2008-09	1,775	931	844
2009-10	1,837	992	845
2010-11	1,869	1,036	833
2011-12	1,820	1,034	786*
2012-13	1,678	984	694
2013-14	1,788	1,062	726
2014-15	1,841	1,169	672
2015-16	1,816	1,224	592

Excludes Early Childhood and ALC

\*Nonresident kindergarten starts to sharply decrease (planned)

# COMPONENTS OF RESIDENT ENROLLMENT CHANGE

Fall to Fall	Total		Natural Increase/Decrease	Net Migration
	#	%		
2006 to 2007	-16	-1.6	-5	-11
2007 to 2008	-53	-5.4	-49	-4
2008 to 2009	61	6.6	10	51
2009 to 2010	44	4.4	9	35
2010 to 2011	-2	-0.2	-6	4
2011 to 2012	-50	-4.8	-6	-44
2012 to 2013	78	7.9	1	77
2013 to 2014	107	10.1	48	59
2014 to 2015	55	4.7	43	12
Total	224	---	45	179

# RESIDENT ENROLLMENT

	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
K	79	73	61	87	86	82	73	88	115	111
1	73	78	73	65	91	85	84	92	96	113
2	63	67	68	75	68	90	83	96	97	104
3	71	56	72	66	86	68	82	94	97	100
4	62	72	52	80	68	85	76	89	99	106
5	67	61	69	59	82	69	82	87	92	100
6	70	75	60	76	80	80	70	86	93	98
7	70	74	74	62	78	72	76	68	87	92
8	81	65	79	75	65	76	63	78	76	89
9	87	92	81	96	79	78	73	67	95	85
10	84	83	88	86	91	78	68	82	71	91
11	115	78	77	88	74	92	67	68	83	62
12	78	110	77	77	88	79	87	67	68	73
Total	1,000	984	931	992	1,036	1,034	984	1,062	1,169	1,224

# AVERAGE RESIDENT GRADE SIZE

- “Average” resident grade size
  - 106 K-5
  - 93 6-8
  - 78 9-12
- These differences in average grade sizes point to enrollment continuing to increase if kindergarten remains near today’s level

# RESIDENT LIVE BIRTHS

Year	Minnesota	Hennepin County	Suburban Hennepin Co	St. Anthony City
2000	67,451	16,553	9,908	60
2001	66,617	16,327	9,729	70
2002	68,037	16,112	9,738	61
2003	70,053	16,440	9,941	75
2004	70,617	16,718	10,258	71
2005	70,950	16,348	10,101	62
2006	73,515	16,780	10,223	62
2007	73,675	16,848	10,532	61
2008	72,382	16,566	10,212	75
2009	70,617	16,334	10,017	71
2010	68,407	15,955	9,854	64
2011	68,416	15,943	9,894	76
2012	68,783	16,345	10,294	79
2013	69,183	16,584	10,468	92
2014	69,916	16,770	10,536	80

# RATIO OF RESIDENT KINDERGARTEN TO RESIDENT BIRTHS

- Ratio of resident kindergarten students to resident births 5–6 years earlier
  - Past seven years, the average was 137.1 percent
  - Past six years, the average was 140.1 percent
  - Past four years, the average was 142.8 percent
  - Past two years, the average was 162.9 percent

# ST. ANTHONY-NEW BRIGHTON'S RESIDENT KINDERGARTEN AS A PERCENTAGE OF THE CITY KINDERGARTEN POOL

Birth Years	City Kindergarten Pool	Percentage	Kindergarten Year
2000; 2001	67	117.9%	2006-07
2001; 2002	64	114.1%	2007-08
2002; 2003	70	87.1%	2008-09
2003; 2004	73	119.2%	2009-10
2004; 2005	65	136.9%	2010-11
2005; 2006	62	132.3%	2011-12
2006; 2007	61	119.7%	2012-13
2007; 2008	70	125.7%	2013-14
2008; 2009	73	157.5%	2014-15
2009; 2010	66	168.2%	2015-16
2010; 2011	72		2016-17
2011; 2012	78		2017-18
2012; 2013	88		2018-19
2013; 2014	84		2019-20

# RESIDENT KINDERGARTEN/BIRTH RATIOS

- Cohort survival method
  - Resident kindergarten assumptions
    - Low is 142.8% (average of the past four years)
    - High is 162.9% (average of the past two years)
  - Longer-term
    - Applied the shape of the Minnesota 0-year-olds trajectory



# PROJECTED MINNESOTA 0-YEAR OLDS

Year	Number
2014*	69,919
2015	69,821
2016	70,149
2017	70,312
2018	70,395
2019	70,373
2020	70,325
2025	70,164
*Actual births	

# CITY KINDERGARTEN POOL

Year	Number
2016-17	72
2017-18	78
2018-19	88
2019-20	84
2020-21	84
2021-22	84
2022-23	84
2023-24	85
2024-25	85
2025-26	84

# RESIDENT KINDERGARTEN PROJECTIONS

Year	@142.8%	@162.9%
2015-16	111	111
2016-17	103	117
2017-18	111	127
2018-19	126	143
2019-20	120	137
2020-21	120	137
2021-22	120	137
2022-23	120	137
2023-24	121	138
2024-25	121	138
2025-26	120	137
Total	1,182	1,349

Past 10 years 855 kindergarten students

# RESIDENT NET MIGRATION

## SCHOOL YEAR TO SCHOOL YEAR

	06 to 07	07 to 08	08 to 09	09 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15
K-5	-14	-12	19	22	-2	-3	60	22	19
6-8	7	3	10	26	-12	-12	4	15	7
9-12	-4	5	22	-13	18	-29	13	22	-14
Total	-11	-4	51	35	4	-44	77	59	12

# RESIDENT NET MIGRATION

	06 to 07	07 to 08	08 to 09	09 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15
K-1	-1	0	4	4	-1	2	19	8	-2
1-2	-6	-10	2	3	-1	-2	12	5	8
2-3	-7	5	-2	11	0	-8	11	1	3
3-4	1	-4	8	2	-1	8	7	5	9
4-5	-1	-3	7	2	1	-3	11	3	1
<b>5-6</b>	<b>8</b>	<b>-1</b>	<b>7</b>	<b>21</b>	<b>-2</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>6</b>
6-7	4	-1	2	2	-8	-4	-2	1	-1
7-8	-5	5	1	3	-2	-9	2	8	2
<b>8-9</b>	<b>11</b>	<b>16</b>	<b>17</b>	<b>4</b>	<b>13</b>	<b>-3</b>	<b>4</b>	<b>17</b>	<b>9</b>
9-10	-4	-4	5	-5	-1	-10	9	4	-4
10-11	-6	-6	0	-12	1	-11	0	1	-9
11-12	-5	-1	0	0	5	-5	0	0	-10
<b>Total</b>	<b>-11</b>	<b>-4</b>	<b>51</b>	<b>35</b>	<b>4</b>	<b>-44</b>	<b>77</b>	<b>59</b>	<b>12</b>

# PROJECTED RESIDENT SURVIVAL RATES

Grade	Low (past 5 years)	High (past 2 years)
K to 1	1.069	1.037
1 to 2	1.049	1.069
2 to 3	1.017	1.021
3 to 4	1.067	1.073
4 to 5	1.034	1.022
<b>5 to 6</b>	<b>1.035</b>	<b>1.067</b>
6 to 7	0.964	1.001
7 to 8	1.003	1.071
<b>8 to 9</b>	<b>1.112</b>	<b>1.168</b>
9 to 10	1.000	1.009
10 to 11	0.951	0.943
11 to 12	0.979	0.940

# RESIDENT ENROLLMENT PROJECTIONS

- The kindergarten assumptions have a larger effect on the differences among the projections than the migration assumptions
  - Migration assumptions account for a 127-134 student difference in ten years
  - Kindergarten assumptions account for a 199-206 student difference in ten years

# RESIDENT ENROLLMENT PROJECTIONS

Year	Low K Low Mig	Low K High Mig	High K Low Mig	High K High Mig
2015-16	1,224	1,224	1,224	1,224
2016-17	1,284	1,298	1,298	1,312
2017-18	1,364	1,397	1,395	1,427
2018-19	1,437	1,491	1,487	1,540
2019-20	1,512	1,586	1,581	1,654
2020-21	1,575	1,666	1,664	1,755
2021-22	1,634	1,737	1,745	1,846
2022-23	1,691	1,803	1,824	1,935
2023-24	1,747	1,864	1,901	2,018
2024-25	1,793	1,916	1,969	2,094
2025-26	1,834	1,961	2,033	2,167



# RESIDENT ENROLLMENT PROJECTIONS

	K-5	6-8	9-12	Total
<b>2015-16</b>	<b>634</b>	<b>279</b>	<b>311</b>	<b>1,224</b>
<b>2020-21</b>				
Low K/Low Mig	781	364	429	1,575
Low K/High Mig	773	394	499	1,666
High K/Low Mig	871	364	429	1,664
High K/High Mig	861	394	499	1,755
<b>2025-26</b>				
Low K/Low Mig	819	454	561	1,834
Low K/High Mig	810	484	668	1,961
High K/Low Mig	935	518	581	2,033
High K/High Mig	925	551	691	2,167

# NONRESIDENT ENROLLMENT

	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
K	47	46	50	28	34	9	10	13	1	1
1	67	64	45	50	33	32	5	18	14	0
2	54	66	45	42	48	32	24	17	17	12
3	54	60	62	44	46	47	29	25	19	15
4	52	49	54	63	42	45	38	31	22	16
5	50	52	50	55	61	41	44	39	31	21
6	72	66	78	71	73	60	64	54	52	39
7	73	63	72	79	70	74	65	70	57	49
8	63	69	60	68	73	70	76	62	72	60
9	84	95	97	98	82	96	86	111	88	95
10	89	75	89	106	95	86	88	98	110	88
11	50	84	62	79	99	99	77	105	94	105
12	73	50	80	62	77	95	88	83	95	91
Total	828	839	844	845	833	786	694	726	672	592

# NONRESIDENT ENROLLMENT PROJECTIONS

	K-5	6-8	9-12	Total
2015-16	65	148	379	592
2020-21	5	30	183	218
2025-26	5	3	19	28
Excludes Early Childhood				

# NONRESIDENT ENROLLMENT

- 2015-16
  - 592 or 32.6 percent nonresidents
- 2025-26
  - 28 or 1.3 percent nonresidents

# HOUSING

- In next three years, no additional single-family detached units projected

# HOUSING TYPE

## St. Anthony-New Brighton School District Housing Type by Student Yield

Housing Type	Units	K-12 Students	K-12 Yield
Single-Family Detached	2,055	833	0.41
Single-Family Attached*	451	98	0.22
Apartments	n.a.	228	n.a.
Duplex Units	23	16	0.70
Condominium Units	139	23	0.17
Mobile Homes	n.a.	26	n.a.
Total	n.a.	1,224	n.a.

\*Townhomes

# ST. ANTHONY-NEW BRIGHTON PUBLIC SCHOOLS BY CITY

City	Single-Family Detached Units	Median Value Single-Family Detached Units	K-12 Students	K-12 Student Yield
St. Anthony	1,860	\$225,000	756	0.41
New Brighton	195	\$223,400	77	0.39

# AGE OF SINGLE-FAMILY DETACHED UNITS

Single-Family Detached Resident Student Yield by Year Built

Year Built	Units	Resident K-12	
		#	Yield
Pre 1955	517	192	0.37
1955-1964	985	417	0.42
1965-1974	354	134	0.38
1975 and later	199	90	0.45
Total	2,055	833	0.41



# VALUE OF SINGLE-FAMILY DETACHED UNITS

## Single-Family Detached Resident Student Yield by Market Value

Estimated Market Value	Units	Resident K-12	
		#	Yield
\$199,999 or less	548	155	0.28
\$200,000-\$299,999	1,335	594	0.44
\$300,000 or more	172	84	0.49
Total	2,055	833	0.41

# SINGLE-FAMILY DETACHED UNITS BY SALES STATUS

Sold January 1, 2014-December 31, 2015

Status	Units	K-12 Yield
New*	7	0.86
Existing (pre 2010)		
Not Sold	1,857	0.39
Sold	191	0.55
Total	2,055	0.41
*Built 2010-2015		

# SINGLE-FAMILY DETACHED UNITS BY AGE OF AT LEAST ONE RESIDENT

Age	Number	Percent
55+	1,085	52.8%
65+	652	31.7%
75+	355	17.3%
85+	158	7.7%
All units	2,055	100.0%

# SINGLE-FAMILY DETACHED UNITS

- Only 23 percent of single-family detached units contain St. Anthony-New Brighton Public Schools students