



To: Dr. Mike Riggle

From: Dr. R.J. Gravel
Dr. Kimberly Ptak

Date: November 3, 2016

Re: Enrollment Projection and Forecast

Background

Every year, using updated October 1st fall housing enrollment data the District updates its enrollment projections using a cohort survival method. Additionally, for the last few years, the District has hired Dr. Jerome McKibben for an updated population forecast.

Glenbrook Cohort Survival Method

The cohort survival method uses feeder enrollment figures and extrapolates the past and present into the future by following and tracking cohorts of students as they progress from one grade to the next.

Dr. Jerome McKibben Population Forecast

The population forecast methodology differs from the District's cohort methodology in that it primarily assesses the impact of factors such as fertility rates, housing patterns, mortgage rate, mortality rates, census data, migration patterns, unemployment rates and the dynamics of local private schools while also taking feeder data into consideration.

<u>GBN</u>	<u>D225 cohort survival projection</u>			<u>Dr. McKibben population forecast</u>		
	<u>10/1/16</u>	<u>10/1/15</u>	<u>Difference</u>	<u>10/1/16</u>	<u>10/1/15</u>	<u>Difference</u>
FY17	2,049 (actual)	2,039	10	2,049 (actual)	2,033	16
FY18	2,030	2,028	2	2,023	2,016	7
FY19	2,071	2,053	18	2,059	2,030	29
FY20	2,076	2,076	0	2,050	2,046	4
FY21	2,028	2,047	-19	1,989	2,003	-14
FY22	2,059	n/a	n/a	2,007	2,023	-16
FY23	n/a	n/a	n/a	2,004	2,056	-52
FY24	n/a	n/a	n/a	2,010	2,059	-49
FY25	n/a	n/a	n/a	2,063	2,102	-39
FY26	n/a	n/a	n/a	2,080	2,092	-12
FY27	n/a	n/a	n/a	2,095	n/a	n/a

GBS	D225 cohort survival projection			Dr. McKibben population forecast		
	10/1/16	10/1/15	Difference	10/1/16	10/1/15	Difference
FY17	3,026 (actual)	3,062	-36	3,026 (actual)	3,070	-44
FY18	3,099	3,154	-55	3,106	3,123	-17
FY19	3,082	3,178	-96	3,103	3,148	-45
FY20	3,100	3,227	-127	3,138	3,185	-47
FY21	3,070	3,227	-157	3,118	3,170	-52
FY22	3,012	n/a	n/a	3,070	3,180	-110
FY23	n/a	n/a	n/a	3,059	3,149	-90
FY24	n/a	n/a	n/a	3,010	3,096	-86
FY25	n/a	n/a	n/a	2,961	3,024	-63
FY26	n/a	n/a	n/a	2,970	3,011	-41
FY27	n/a	n/a	n/a	2,926	n/a	n/a

Comparison of Methodologies

	GBN 10/1/16 comparison			GBS 10/1/16 comparison		
	D225	Dr. McKibben	Difference	D225	Dr. McKibben	Difference
FY18	2,030	2,023	7	3,099	3,106	-7
FY19	2,071	2,059	12	3,082	3,103	-21
FY20	2,076	2,050	26	3,100	3,138	-38
FY21	2,028	1,989	39	3,070	3,118	-48
FY22	2,059	2,007	52	3,012	3,070	-58