

GLENBROOK HIGH SCHOOLS
District Business Office

TO: Dr. Mike Riggle

FROM: Kim Ptak

DATE: November 9, 2015

RE: Enrollment Update

Glenbrook Cohort Survival Method

Every fall, the district uses a “cohort survival” calculation using October 1st fall housing enrollment figures for the feeder and high school districts. The projection extrapolates the past and present into the future by following and tracking cohorts of students as they progress from one grade to the next. This calculation tends to be the most accurate (within 1.5%) when projecting three years out.

GBN	10/1/15 calculation	10/1/14 calculation	Difference	10/1/13 calculation
FY 15/16	2,057 (actual)	2,046 (projection)	11	2,047
FY 16/17	2,039	2,022	17	2,007
FY 17/18	2,028	2,001	27	1,970
FY 18/19	2,053	2,034	19	1,991

GBS	10/1/15 calculation	10/1/14 calculation	Difference	10/1/13 calculation
FY 15/16	3,002 (actual)	2,976 (projection)	26	3,027
FY 16/17	3,062	3,034	28	3,117
FY 17/18	3,154	3,125	29	3,238
FY 18/19	3,178	3,149	29	3,242

District	10/1/15 calculation	10/1/14 calculation	Difference	10/1/13 calculation
FY 15/16	5,059 (actual)	5,022 (projection)	37	5,074
FY 16/17	5,101	5,056	45	5,124
FY 17/18	5,182	5,126	56	5,208
FY 18/19	5,231	5,183	48	5,233

Dr. Jerome McKibben Population Forecast

For the last three years, Dr. McKibben has used a population forecast to calculate the District’s enrollment projections. The population forecast methodology differs from the District’s cohort methodology in that it not only looks at past and present enrollment figures, but it also 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.

GBN	10/1/15 calculation	10/1/14 calculation	Difference	10/1/13 calculation
FY 15/16	2,057 (actual)	2,051 (projection)	6	2,057
FY 16/17	2,033	2,029	4	2,023
FY 17/18	2,016	2,014	2	1,978
FY 18/19	2,030	2,043	(13)	1,986
FY 19/20	2,046	2,016	30	1,942
FY 20/21	2,003	1,987	19	1,914
FY 21/22	2,023	1,984	16	1,916
FY 22/23	2,056	1,999	57	1,912
FY 23/24	2,059	2,008	51	1,911
FY 24/25	2,102	2,005	97	n/a
FY 25/26	2,092	n/a	n/a	n/a

GBS	10/1/15 calculation	10/1/14 calculation	Difference	10/1/13 calculation
FY 15/16	3,002 (actual)	2,952 (projection)	50	2,976
FY 16/17	3,070	2,990	80	3,037
FY 17/18	3,123	3,063	60	3,125
FY 18/19	3,148	3,082	66	3,126
FY 19/20	3,185	3,125	60	3,178
FY 20/21	3,170	3,118	52	3,167
FY 21/22	3,180	3,071	109	3,135
FY 22/23	3,149	3,074	75	3,023
FY 23/24	3,096	2,949	147	2,879
FY 24/25	3,024	2,844	180	n/a
FY 25/26	3,011	n/a	n/a	n/a

District	10/1/15 calculation	10/1/14 calculation	Difference	10/1/13 calculation
FY 15/16	5,059 (actual)	5,003 (projection)	56	5,033
FY 16/17	5,103	5,019	84	5,060
FY 17/18	5,139	5,077	62	5,103
FY 18/19	5,178	5,125	53	5,112
FY 19/20	5,231	5,141	90	5,120
FY 20/21	5,173	5,105	68	5,081
FY 21/22	5,203	5,055	148	5,051
FY 22/23	5,205	5,073	132	4,935
FY 23/24	5,155	4,957	198	4,790
FY 24/25	5,126	4,849	277	n/a
FY 25/26	5,103	n/a		n/a

Difference Between Glenbrook and Dr. McKibben – 3 year Projection

Although two different methodologies are used, the 3-year projections are within 1% of each other.

GBN	Glenbrook	Dr. McKibben	Difference
FY 16/17	2,039	2,033	6
FY 17/18	2,028	2,016	12
FY 18/19	2,053	2,030	23

GBS	Glenbrook	Dr. McKibben	Difference
FY 16/17	3,062	3,070	-8
FY 17/18	3,154	3,123	31
FY 18/19	3,178	3,148	30

District	Glenbrook	Dr. McKibben	Difference
FY 16/17	5,101	5,103	-2
FY 17/18	5,182	5,139	43
FY 18/19	5,231	5,178	53