



SOUTHWICK-TOLLAND-GRANVILLE
REGIONAL SCHOOL DISTRICT

BEST USE OF FACILITIES SUMMARY

February 2, 2017

Cost Per Pupil

**SOUTHWICK-TOLLAND-GRANVILLE REGIONAL SCHOOL DISTRICT
DISTRICT FACT SHEET RELATED TO BEST USE OF FACILITIES STUDY**

CURRENT CONFIGURATION

	GVS	WS	PMS
COC	167	380	512
POC	167-211	380-424	512-637
10/1/2016 Enrollment	82	347	400
2017 Budget	\$977,580	\$2,038,561	\$2,659,512
Per Pupil Expenditure	\$11,922	\$5,875	\$6,649

OPTION 1: GVS CLOSED

	WS	PMS	<u>Additional WS</u>	<u>Additional PMS</u>
COC	380	512	Librarian \$11,500	2 Teachers \$120,000
POC	380-424	512-637	Gym/Health \$22,255	Curriculum \$15,000
Anticipated 2018 Enrollment	334	440	Art \$13,171	\$135,000
			Music \$26,468	
2017 Budget	\$2,113,455	\$2,794,512	Curriculum \$15,000	
Per Pupil Expenditure	\$6,328	\$6,351	\$88,394	

OPTION 2: GVS REMAINS OPEN

	GVS	WS	PMS
COC	167	380	512
POC	167-211	380-424	512-637
Anticipated 2018 Enrollment	76	314	391
2017 Budget	\$836,574	\$2,038,561	\$2,659,512
Per Pupil Expenditure	\$11,008	\$6,492	\$6,802

Enrollment Projections

Southwick-Tolland-Granville RSD, MA Historical Enrollment

School District: Southwick-Tolland-Granville RSD, MA

11/7/2016

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
2001	90	2006-07	28	120	141	124	162	136	148	145	143	140	154	161	139	163	0	1876	1904
2002	88	2007-08	39	119	138	128	129	158	138	150	144	148	140	150	173	134	0	1849	1888
2003	87	2008-09	40	99	122	120	141	128	168	137	144	147	146	137	155	145	0	1789	1829
2004	95	2009-10	35	111	107	127	124	140	141	157	138	145	147	145	138	141	1	1762	1797
2005	97	2010-11	35	105	112	106	126	122	138	133	156	145	126	142	147	135	3	1696	1731
2006	75	2011-12	41	84	109	102	113	124	125	133	133	159	130	128	140	141	2	1623	1664
2007	95	2012-13	53	117	100	115	124	122	139	143	156	148	161	129	123	127	4	1708	1761
2008	86	2013-14	51	102	114	103	116	124	122	139	141	153	132	165	126	118	3	1658	1709
2009	95	2014-15	48	102	103	112	105	118	120	118	137	134	131	123	156	126	3	1588	1636
2010	87	2015-16	51	108	103	104	116	104	113	129	116	138	127	128	126	160	2	1574	1625
2011	81	2016-17	63	92	113	108	112	116	111	114	100	124	140	131	130	126	0	1517	1580

Historical Enrollment in Grade Combinations									
Year	PK-2	3-6	K-6	K-8	5-8	6-8	7-8	7-12	9-12
2006-07	413	591	976	1259	576	428	283	900	617
2007-08	424	575	960	1252	580	442	292	889	597
2008-09	381	574	915	1206	596	428	291	874	583
2009-10	380	562	907	1190	581	440	283	854	571
2010-11	358	519	842	1143	572	434	301	851	550
2011-12	336	495	790	1082	550	425	292	831	539
2012-13	385	528	860	1164	586	447	304	844	540
2013-14	370	501	820	1114	555	433	294	835	541
2014-15	365	461	778	1049	509	389	271	807	536
2015-16	366	462	777	1031	496	383	254	795	541
2016-17	376	453	766	990	449	338	224	751	527

Historical Percentage Changes			
Year	K-12	Diff.	%
2006-07	1876	0	0.0%
2007-08	1849	-27	-1.4%
2008-09	1789	-60	-3.2%
2009-10	1762	-27	-1.5%
2010-11	1696	-66	-3.7%
2011-12	1623	-73	-4.3%
2012-13	1708	85	5.2%
2013-14	1658	-50	-2.9%
2014-15	1588	-70	-4.2%
2015-16	1574	-14	-0.9%
2016-17	1517	-57	-3.6%
Change	-359		-19.1%

Southwick-Tolland-Granville RSD, MA Projected Enrollment

School District: Southwick-Tolland-Granville RSD, MA

11/7/2016

Enrollment Projections 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
2011	81		2016-17	63	92	113	108	112	116	111	114	100	124	140	131	130	126	0	1517	1580
2012	77		2017-18	63	89	94	115	113	112	116	113	106	101	116	138	130	131	0	1474	1537
2013	83		2018-19	63	95	91	95	120	113	112	118	105	107	94	114	137	131	0	1432	1495
2014	83		2019-20	63	95	97	92	99	120	113	114	110	106	100	93	113	138	0	1390	1453
2015	86	(prov.)	2020-21	63	99	97	98	96	99	120	115	106	111	99	99	93	114	0	1346	1409
2016	82	(est.)	2021-22	63	94	101	98	102	96	99	122	107	107	104	98	99	94	0	1321	1384
2017	82	(est.)	2022-23	63	95	96	102	102	102	96	101	113	108	100	102	98	100	0	1315	1378
2018	83	(est.)	2023-24	63	96	97	97	106	102	102	98	94	114	101	99	102	99	0	1307	1370
2019	83	(est.)	2024-25	63	96	98	98	101	106	102	104	91	95	107	99	99	103	0	1299	1362
2020	83	(est.)	2025-26	63	96	98	99	102	101	106	104	97	92	89	105	99	100	0	1288	1351
2021	83	(est.)	2026-27	63	95	98	99	103	102	101	108	97	98	86	88	104	100	0	1279	1342

*Projections should be updated on an annual basis in order to reflect changes in births, real estate sales, in-/out-migration of families and housing construction.

Based on an estimate of births

Based on children already born

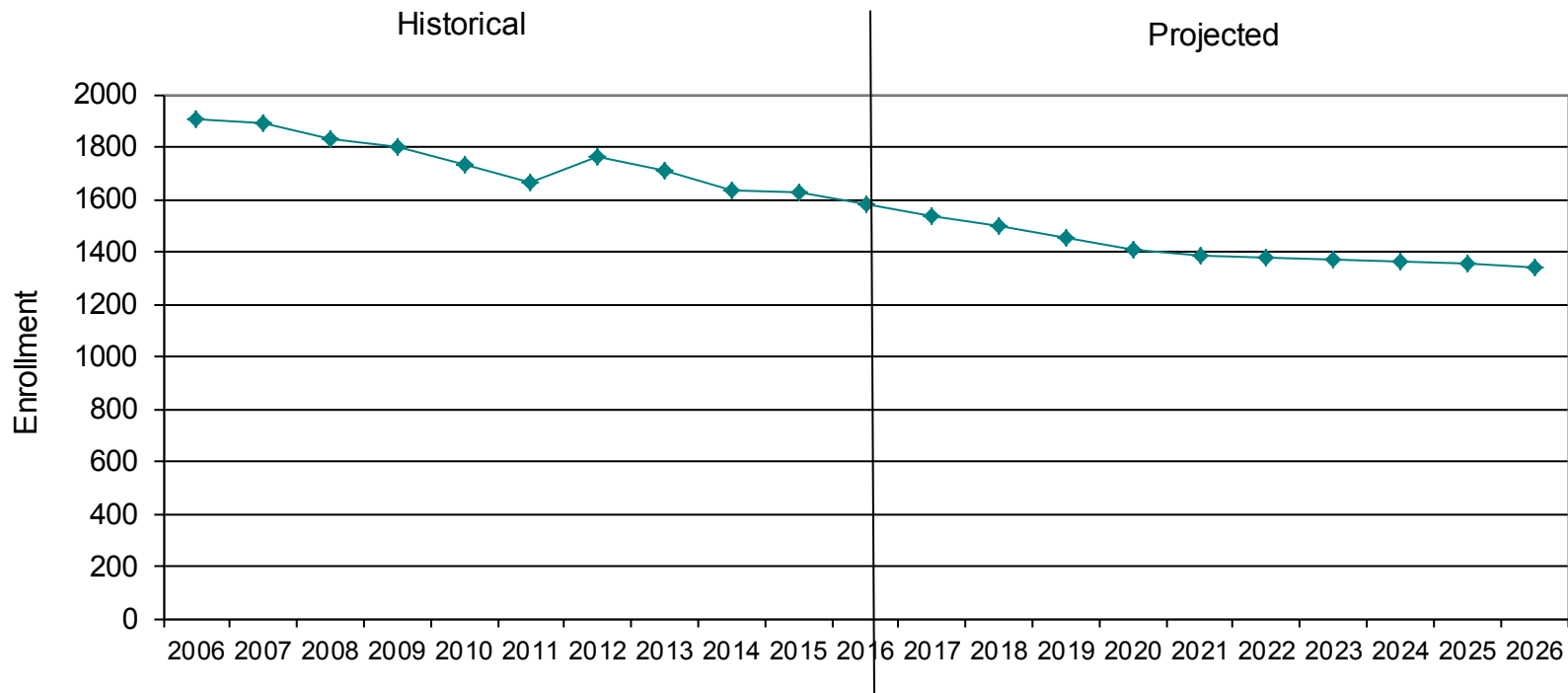
Based on students already enrolled

Projected Enrollment in Grade Combinations*									
Year	PK-2	3-6	K-6	K-8	5-8	6-8	7-8	7-12	9-12
2016-17	376	453	766	990	449	338	224	751	527
2017-18	361	454	752	959	436	320	207	722	515
2018-19	344	463	744	956	442	330	212	688	476
2019-20	347	446	730	946	443	330	216	660	444
2020-21	357	430	724	941	452	332	217	622	405
2021-22	356	419	712	926	435	336	214	609	395
2022-23	356	401	694	915	418	322	221	621	400
2023-24	353	408	698	906	408	306	208	609	401
2024-25	355	413	705	891	392	290	186	594	408
2025-26	356	413	706	895	399	293	189	582	393
2026-27	355	414	706	901	404	303	195	573	378

Projected Percentage Changes			
Year	K-12	Diff.	%
2016-17	1517	0	0.0%
2017-18	1474	-43	-2.8%
2018-19	1432	-42	-2.8%
2019-20	1390	-42	-2.9%
2020-21	1346	-44	-3.2%
2021-22	1321	-25	-1.9%
2022-23	1315	-6	-0.5%
2023-24	1307	-8	-0.6%
2024-25	1299	-8	-0.6%
2025-26	1288	-11	-0.8%
2026-27	1279	-9	-0.7%
Change		-238	-15.7%

Southwick-Tolland-Granville, MA Historical & Projected Enrollment

PK-12, 2006-2026



Capacity Analysis

CURRENT AND PLANNED OPERATING CAPACITY: GRANVILLE VILLAGE SCHOOL

Current Operating Capacity (COC)	Planned Operating Capacity (POC)
1 K classroom x 20 = 20 1 Gr. 1 classroom x 22 = 22 5 Gr. 2-6 classrooms at 25 = 125	1 K classroom x 20 = 20 1 Gr. 1 classroom x 22 = 22 5 Gr. 2-6 classrooms at 25 = 125
COC = 167	POC Range = 167 - 211

* At Granville Village School, at least 5 full-sized classroom spaces are utilized to accommodate small group instruction program components or office spaces, *which generally service no more than 5-8 students at a time*. If some of these full-sized spaces or offices were reconfigured to accommodate more than one small group or service, then additional full-sized spaces would become available for grade level instruction. NESDEC estimates that, if the reconfiguration were to occur, Planned Operating Capacity (**POC**) would increase to approximately 211 students.

CURRENT AND PLANNED OPERATING CAPACITY

SCHOOL: WOODLAND SCHOOL

Current Operating Capacity (COC)	Planned Operating Capacity (POC)
3 PK classrooms x 15 = 45	3 PK classroom x 15 = 45
5 Gr. K classrooms x 20 =100	5 Gr. K classrooms x 20 =100
5 Gr. 1 classrooms x 22 =110	5 Gr. 1 classrooms x 22 =110
5 Gr. 2 classrooms x 25 =125	5 Gr. 2 classrooms x 25 =125
COC = 380	POC = 380 - 424

* At Woodland School, at least 4 full-sized classroom spaces are utilized to accommodate small group instruction program components or office spaces, *which generally service no more than 5-8 students at a time*. If some of these full-sized spaces or offices were reconfigured to accommodate more than one small group or service, then additional full-sized spaces would become available for grade level instruction. NESDEC estimates that, if the reconfiguration were to occur, Planned Operating Capacity (**POC**) would increase to approximately 424 students.

CURRENT AND PLANNED OPERATING CAPACITY: POWDER MILL SCHOOL

Current Operating Capacity (COC)	Planned Operating Capacity (POC)
20 Interchangeable Classrooms x 25= 500	20 Interchangeable Classrooms x 25= 500
1 Self- contained Special Education Classroom x 12=12	1 Self- contained Special Education Classroom x 12=12
COC=512	POC Range = 512-637

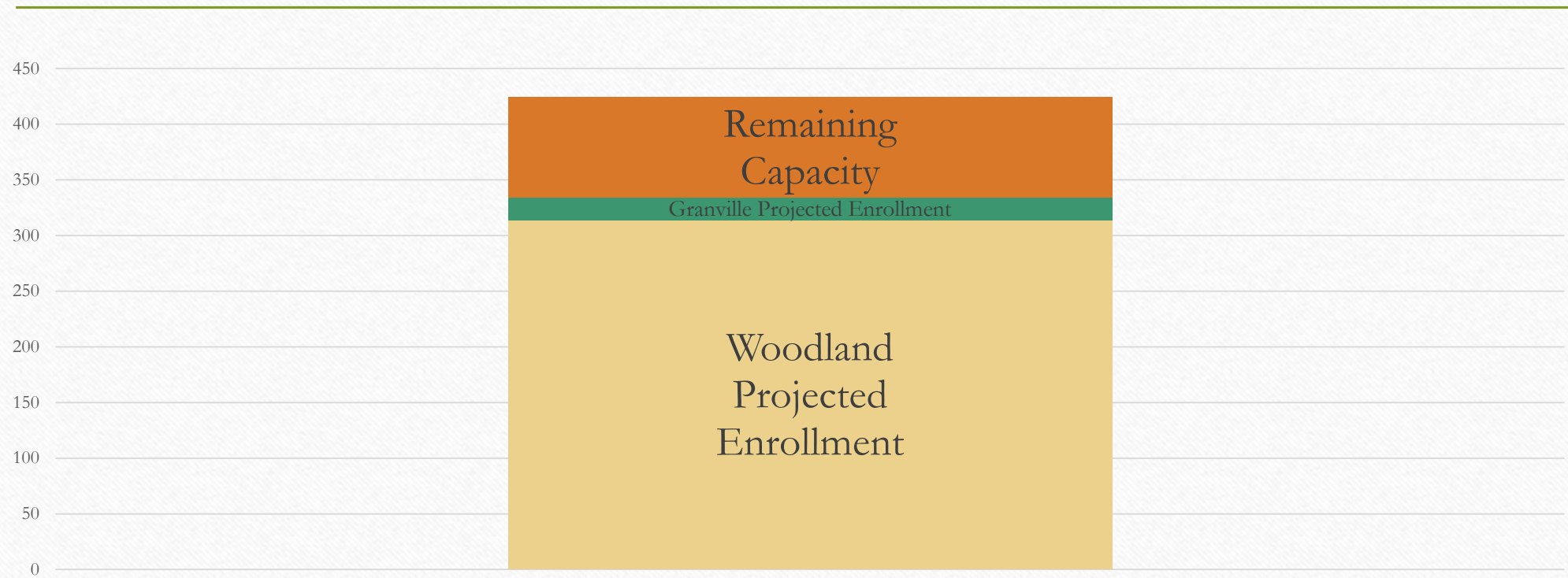
*At the Powder Mill School. at least 10-full sized classroom spaces are utilized to accommodate small group instruction program components, *which generally service no more than 5-8 students at a time*. If some of these full-sized spaces were reconfigured to accommodate more than one small group instruction program component, then additional full-sized spaces would become available for grade level instruction. NESDEC estimates that, if the reconfiguration were to occur, Planned Operating capacity (**POC**) would increase to approximately 637 students.

Building Capacity

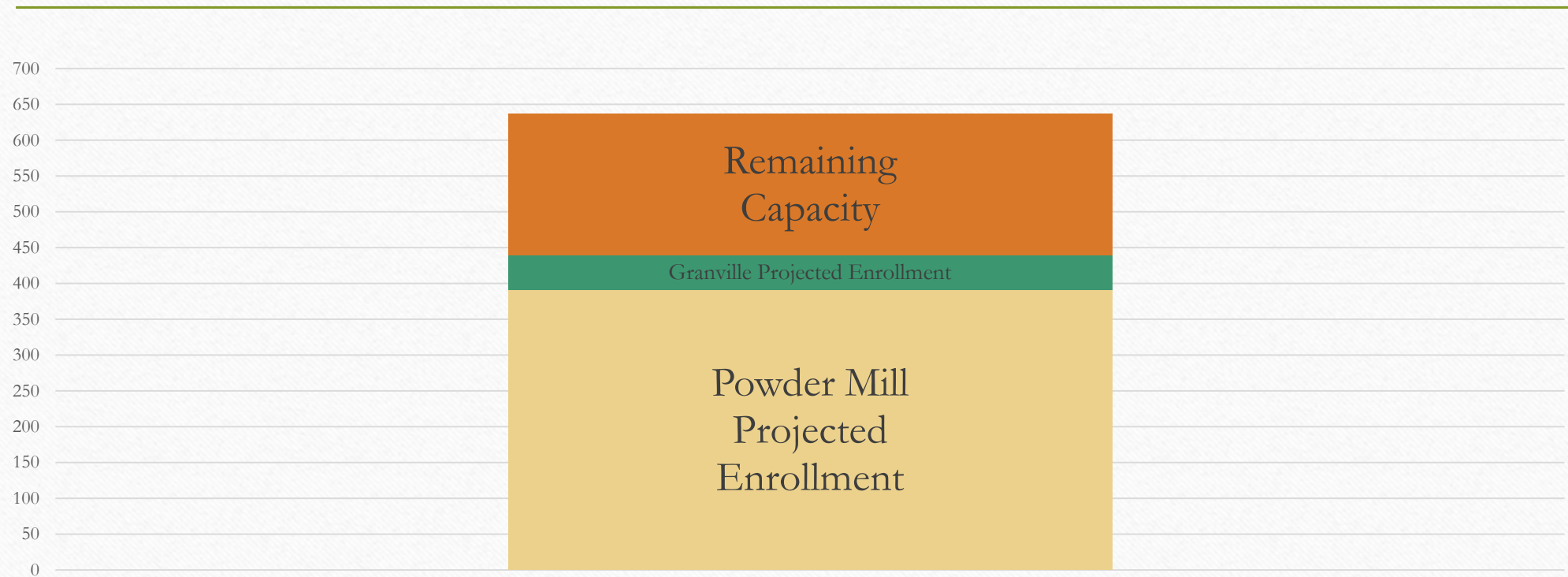
- Woodland School - POC- 424
- 2018 Enrollment - 314
- With additional GVS (20) - 334*
- Below capacity by 21%
- Powder Mill School - POC- 637
- 2018 Enrollment - 391
- With Additional GVS (49) - 440
- Below capacity by 31%

*Kindergarten enrollment estimated at 90 students using available birth data.

Woodland 2018



Powder Mill 2018



Class Size

SOUTHWICK-TOLLAND-GRANVILLE REGIONAL SCHOOL DISTRICT

CODE: CLASS SIZE
Category: INSTRUCTION
File No.: IDA

Adopted: 12/6/05
Revised:

In general, the average class size should be 25 or under in Grades 2-12. It is recognized that special subjects may be larger or smaller. In the same sense every effort will be made to have remedial classes smaller than 20.

When class size in Grades 2-8 goes over the 25/1 ratio, help may be provided in the form of a classroom aide. When average class size in Grades 2-8 exceeds a 30/1 ratio, a new teacher may be obtained to reduce class size.

When class size in kindergarten (staffed by a teacher and teacher assistant) exceeds 20 students, help may be provided in the form of an additional classroom aide. When average class size in Kindergarten exceeds a 25/1 ratio, a new teacher may be obtained to reduce class size.

When class size in Grade 1 exceeds a 22/1 ratio, help may be provided in the form of a classroom aide. When average class size in Grade 1 exceeds a 27/1 ratio, a new teacher may be obtained to reduce class size.

District Enrollment by Classroom as of 1/20/2017

	Woodland and Powder Mill					GVS
Pre-K	45 slots (1/2 day)					
Grade K	C101 (17)	C103 (17)	C104 (19)	C105 (15)	C106 (18)	5
Grade 1	D108 (20)	D110 (20)	D111 (19)	D112 (16)	D113 (19)	14
Grade 2	E105 (20)	E107 (18)	E109 (20)	E110 (20)	E112 (20)	7
Grade 3	C107 (18)	C112 (19)	C115 (19)	C116 (19)	C118 (17)	19
Grade 4	C101 (18)	C102 (20)	C103 (21)	C104 (21)	C106 (22)	10
Grade 5	A125 (20)	A126 (21)	A122 (20)	A128 (19)	A130 (19)	11
Grade 6	A202 (21)	A205 (20)	A208 (17)	A207 (21)	A209 (20)	12

Potential Classroom Configurations for 2017/2018

Estimated average class size if GVS remains open

Woodland and Powder Mill	
Pre-K	45 slots (1/2 day)
Grade K	17
Grade 1	17
Grade 2	19
Grade 3	20
Grade 4	18
Grade 5	21
Grade 6	20

GVS	
Grade K/1	12
Grade 2/3	23
Grade 4	20
Grade 5/6	21

Estimated average class size if GVS does not remain open

5 teachers per grade level;
One 3/4 combo; One 5/6 combo
Add two teaching positions

Woodland and Powder Mill	
Pre-K	45 slots (1/2 day)
Grade K	18
Grade 1	18
Grade 2	22
Grade 3	19
Grade 4	20
Grade 5	21
Grade 6	20

6 teachers grades K-3;
5 teachers grades 4-6
Add four teaching positions

Woodland and Powder Mill	
Pre-K	45 slots (1/2 day)
Grade K	15
Grade 1	15
Grade 2	18
Grade 3	16
Grade 4	22
Grade 5	22/23
Grade 6	22

6 teachers grades K & 2;
5 teachers grade 1
One 3/4 combo; One 5/6 combo
Add four teaching positions

Woodland and Powder Mill	
Pre-K	45 slots (1/2 day)
Grade K	15
Grade 1	18
Grade 2	18
Grade 3	19
Grade 4	20
Grade 5	21
Grade 6	20

Fiscal Analysis

School Facilities Use Fiscal Analysis 1/24/2017

OPTION 1: GVS CLOSED

<u>Item</u>	<u>Est. Cost</u>	<u>Budget Allocation</u>
3 Coaches(ELA K-2, ELA 3-6, Math Upper Grades)	\$200,000.00	General Admin
2 Teachers(3/4, 5/6)	\$120,000.00	Powder Mill
Nurse	\$70,000.00	Regional School
Librarian	\$11,500.00	Woodland
Paraprofessionals	\$44,680.00	SPED
Gym/Health	\$22,255.00	Woodland
Art	\$13,171.00	Woodland
Music	\$26,468.00	Woodland
Technology	\$75,000.00	General Admin
Professional Development	\$150,000.00	General Admin
Capital Improvements	\$150,000.00	General Admin
Curriculum and Instruction	\$50,000.00	(\$15K PM; \$15K WS; \$20K SRS)
	<u>\$933,074.00</u>	

OPTION 2: GVS REMAINS OPEN

<u>Item</u>	<u>Est. Cost</u>
Retain 4 Teachers	\$271,000.00
Teacher Leader	\$85,000.00
Nurse	\$70,000.00
School Adjustment Counselor	\$60,000.00
Paraprofessionals	\$44,680.00
Clerical	\$27,000.00
1.5 Custodial	\$63,000.00
Librarian	\$11,500.00
Gym/Health	\$22,255.00
Art	\$13,171.00
Music	\$26,468.00
Substitutes	\$7,500.00
Utilities	\$60,000.00
Miscellaneous(copiers, supplies, curriculum, etc)	\$75,000.00
	<u>\$836,574.00</u>

Southwick-Tolland-Granville Regional School District

Fiscal Analysis of Granville Village School Closure

As a Massachusetts regional school district, the Southwick-Tolland-Granville RSD's annual operating budget is primarily funded by State education aid (Ch. 70) and assessments to the three member towns. The Massachusetts Chapter 70 & "Foundation Budget" formula sets spending and state & local funding requirements based on student enrollment and certain financial characteristics of each of the three towns. In the current climate of declining enrollment, the State's "hold harmless" provisions for Ch. 70 aid distributions and the requirement to move the District toward meeting "target share," have led to a situation in which the District has not had to rely significantly on "discretionary" assessments from the towns. In fact, for three of the last five fiscal years, the District's budget has been funded entirely by "non-discretionary" assessments, state aid, and other revenue sources not derived from the three towns.

Assumptions

This analysis of the fiscal impact of a possible closure of the Granville Village School relies on the following underlying assumptions:

- No major changes to the Massachusetts Chapter 70 formula
- Continuation of the "hold harmless" provision relating to Chapter 70 aid
- Continued enrollment decline as projected in the NESDEC study
- No material changes to the property values and income wealth factors used in the formula to determine required local contributions from the three member towns
- Current & future Granville resident students could be integrated into Woodland (grades Pre-K – 2) and Powder Mill (grades 3 – 6) schools

Per Pupil Expenditures

The direct operating cost (budget) of the Granville Village School for the current fiscal year is \$977,580. When considered on a per pupil basis, GVS' cost of \$11,922 is \$6,047 (or 2.0 times) greater than that of Woodland (\$5,875) and \$5,273 (or 1.8 times) greater than Powder Mill (\$6,649). These figures which show tremendous inequity on per pupil expenditures, are attributable to class sizes at GVS which are well below the other two schools. It should be noted that these per pupil costs do not reflect certain expenditure categories such as special education, employee benefits, and central office administration.

Enrollment Decline Impact on Funding

While continued enrollment decline will almost certainly have the effect of moderating or negating Foundation Budget growth over the next several years, the hold harmless provision of Ch. 70 would likely ensure that state aid would not decrease in response to the projected enrollment decline. Thus, while a goal of the Chapter 70 formula is to move districts toward their "target share" of the Foundation Budget, STGRSD's progress toward that goal is slowed by the above factors.

Required Local Contribution

A feature of the Chapter 70 program is the requirement for each municipality to provide a minimum local contribution. The required local contribution is essentially a measure of how much local tax revenue a city or town can reasonably raise and dedicate to the operation of its schools. This number is adjusted annually by the State.

Net School Spending

Another component of the state's education finance law that plays a role in determining the fiscal impact of a possible closure of GVS is "net school spending." NSS sets forth spending requirements for Districts by taking into account the state's commitment of Chapter 70 aid and the mandated minimum local contributions from municipalities. Simply put, the purpose of the NSS requirement is to ensure that Districts are spending the financial resources provided through the Chapter 70 program, including municipal resources, on bona fide educational costs. In the case of STGRSD, net school spending requirements actually exceed the fiscal year 2017 Foundation Budget by nearly \$4M.

Thus, the potential for reducing overall District operating costs by closing the Granville Village School is nullified by the requirement to annually spend the dollars it receives from the State's Chapter 70 program and the minimum local contributions from each member town as prescribed by the State.

For fiscal year 2017 only \$169K (1.3%) of the District's overall assessment of \$13.3M to member towns was "discretionary." This fact would suggest that nearly all of the savings realized from a closure of GVS would need to be reallocated to other NSS qualified spending.

The charts on the following pages provide information about the possible use of current GVS operating budget funds in the case of closure or reconfiguration and the impact on direct per pupil expenditures at affected schools.

Capital Improvement Needs

While all three District schools on the Southwick campus have recently been renovated through Massachusetts School Building Authority projects, the Granville Village School would require significant capital improvements to bring the facility in line with the other buildings. Capital needs at the school are extensive and have been estimated by District personnel, with assistance from contractors, to be in excess of \$1M. Some of the more significant needs that exist include replacement of the roof over the 1989 addition, replacement of windows on the original building, replacement of flooring, interior lighting, and ceilings throughout, expansion of the data network, replacement of the phone system, parking lot & driveway replacement, heating system and controls replacement and repairs to the water supply system that serves the building.

The above-mentioned capital improvements are not all immediately needed and repair and replacement projects could be spread out over several years utilizing a phased approach. However, it is highly unlikely that the District could access MSBA funding for such repairs due to the extremely low enrollment and the excess capacity that exists at the District's other schools. Thus, the costs to carry out the needed improvements would likely fall entirely upon the District, and by the terms of the regional agreement, be passed on to all three towns at their respective share of capital costs. Funding such projects would require the issuance of debt by the District which requires Town Meeting approval in all three towns. It would need to be determined if the District would expand its current annual capital borrowing program or secure other financing through the municipal bond market. To the extent that the debt would require tax increases beyond the Proposition 2 ½ limits, a referendum vote would need to be held in all three towns.

Educational Benefits

Benefits

- All students in district would benefit from schools moving towards 21st century educational excellence:
 - Bring all our classrooms to the 21st century with technology
 - Begin roll out plan for 1:1 devices for students and provide professional development for teachers
 - Provide external and job embedded professional development to change instructional practices needed for students to be competitive in 21st century

Benefits Continued

- All students in district would benefit from schools moving towards 21st century educational excellence:
 - Update cameras, videos and intercoms in Powder Mill and Woodland
 - Hire and train teachers to facilitate personalized learning classrooms
 - Increased grade level teacher collaboration
 - Interaction with more grade level peers for GVS students
 - More inclusive environment for students on IEP's at GVS

Benefits

- School remains open
- Class sizes are similar to Powder Mill and Woodland

Grade	Class Size
K/1	12
2/3	23
4	20
5/6	21

Regional Agreement Process and Timeline

Did we meet the Regional Agreement School Closure requirements?

- C. Closure of any school within the regional school district shall not be done without:
- a. A feasibility study conducted by the District's Central office one year in advance of the proposed closing. Under extraordinary circumstances, this timeline may be modified by a majority vote of the Regional School Committee with representatives from at least two towns voting to support the modified timeline.
 - i. The District took an additional step and hired a consultant that has conducted building use studies for other districts.
 - ii. To avoid any confusion of the 1 year timeline, the committee will vote on 2/2/2017 to waive the requirements.
 - iii. Refer to the timeline.
 - b. A complete fiscal analysis to determine the cost savings, the impact on the regional budget, and the individual assessments to the member towns.
 - i. The district has been open that there are no savings nor an impact to the regional budget or individual tax assessments.
 - ii. Financial proposal have been shared with the committee and the final 2018 school budget will be based on the decision to be made on 2/7/2017.
 - c. A review of educational organizational schemes and their financial impact.
 - i. Superintendent Willard presented two options to the committee detailing the educational changes
 - ii. Superintendent Willard followed up with financial proposal for both options
 - d. A review of population trends to determine the long-term impact of the closing.
 - i. The consultant provided project data for the student population considering all three communities.
 - ii. The consultant also provided the excess capacity figures for each building.
 - e. A public hearing held prior to the vote of the Regional School Committee.
 - i. A public hearing was held after the presentation from the consultant.
 - ii. All school committee meetings were posted and public comment was conducted per STGRSD committee policies.

Timeline

- A. 11/17/2015 – New Business: Committee Discussed conducting a Feasibility Study
- B. 2/2/2016 – Action Item 1: Committee Authorized district to conduct an RFP for the Study
- C. 6/29/2016 – Action Item 3: Committee Authorized contract between district & NESDEC
- D. 9/6/2016 – Educational Presentation: NESDEC provided first report to the committee & described the process
- E. 11/15/2016 – Educational Presentation: NESDEC presented draft study to committee
- F. 11/28/2016 – Public Hearing Held: NESDEC presented the study finding
- G. 12/20/2016 – Educational Presentation: NESDEC presented final version of the study
- H. 1/10/2017 – Educational Presentation: Superintendent Willard presented two options for the committee to consider
- I. 2/7/2017 – Action Item: Committee to make decision on one of two options for GVS
- J. 08/31/2017 – 2017/2018 School Year Begins

