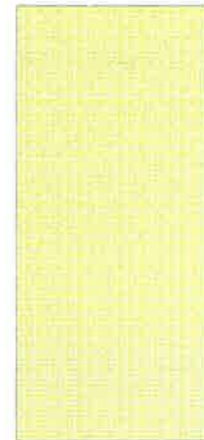


# **FACILITY AND ENROLLMENT STUDY**

JULY 19, 2016



# COMMITTEE MEMBERS

## Board of Education

**Rebekah Harriman-Stites**  
**John Vouros**

## Central Office

**Dr. Joseph V. Erardi, Jr. – Superintendent of Schools**  
**Jean Evans Davila - Assistant Superintendent of Schools**

**Ron Bienkowski**  
**Director of Business**

**Deborah Mailloux-Petersen**  
**Director of Pupil Services**

**Gino Faiella**  
**Director of Facilities**

**Tanja Vadas**  
**Financial Assistant**

## Principals

**Christopher Moretti, Principal**  
**Hawley**

**Anne Uberti, Principal**  
**Reed Intermediate**

**Thomas Einhorn, Principal**  
**Middle School**

**Dr. Lorrie Rodrigue, Principal**  
**High School**

## Community Members

**Karyn Holden**

**Robert Morey**

**Dr. Linda Wiedenhamer**

# COMMITTEE DIRECTIVE

**The Board of Education charges the Superintendent to create a District Facilities Committee to research the use of school facilities in light of projected enrollment changes in Newtown.**

**The Board of Education asks the District Facilities Committee to produce a report back to the Board of Education by July 1, 2016. The report should include the following items:**

- 1. Details from 2015 District Facilities Study**
- 2. Discussion as to how current program requirements affect space requirements**
- 3. Next steps regarding potential future usage by BOE for existing school facilities/spaces made available due to declining enrollment**

# COMMITTEE DIRECTIVE

**Additionally, the report should include a final recommendation and analysis regarding the following facility configurations including an outline of the cost/savings, timing, and educational impact to district and the town for each:**

- 1. No change in number of Facilities used by the District from the 2016-2017 school year to the end of the Enrollment Study**
- 2. Return of the Middle School Facility to the Town at some point after the end of the 2016-2017 school year**
- 3. Return of an Elementary School Facility to the Town at some point after the end of the 2016-2017 school year**

**The District Facilities Committee will be facilitated by the Superintendent and should include members of the district staff (*chosen by the Superintendent*), up to three representatives from the Board of Education (*assigned by the BOE Chair*), and three representatives from the community (*appointed by BOE Chair and Superintendent*). Meetings will be open to public but there will be no public participation.**

# ASSUMPTIONS AND PROJECTIONS

**Recommendations pertaining to facilities will be based on the overarching dedication to providing the best possible opportunities for students while maintaining and/or enhancing education with quality programming that is supported with appropriate resources and staffing to meet the needs of all learners. Additionally, recommendations will be made with thoughtful analysis of fiscal impact, both cost savings, short and long term.**

**This work will be based on the following agreed upon assumptions:**

- Sandy Hook Elementary School **will** open in 2016-17
- Newtown High School will **not** be considered for school closing
- Reed Intermediate School will **not** be considered for school closing
- Newtown's pre-school program **will** be housed at Sandy Hook Elementary School
- The Enrollment Study completed in November 2014 represents the most accurate information for the committee to make decisions pertaining to the Problem of Practice
- Projections within the enrollment study were based on the "medium growth" longitudinal data

# CONCEPTUAL UNDERSTANDINGS AND GUIDING PRINCIPLES

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- ❖ Cohort Assembly
  - Economy to Scale
  
- ❖ Current Legislation
  - School Closing
  - School Reopening
  - Magnet Schools
  
- ❖ Safety & Partnerships
  
- ❖ Suitability/Feasibility/Sustainability

# FUTURE FORECAST SUBCOMMITTEES

## **Closing an Elementary School:**

**Tom Einhorn  
Rebekah Harriman-Stites  
Linda Wiedenhamer**

## **Closing the Middle School:**

**Jean Evans Davila  
Robert Morey  
Anne Uberti  
John Vouros**

## **No School Change:**

**Karyn Holden  
Chris Moretti  
Lorrie Rodrigue**

## **Space & Fiscal Analysis:**

**Ron Bienkowski  
Tanja Vadas  
Gino Faiella  
Deborah Petersen**

# ELEMENTARY OPTIONS

3 Elementary

RIS

MS

HS

K-3

4-6

7-8

9-12

K-3

4-5

6-8

9-12

K-3

4-5

6-7

8-12

K-4

5-6

7-8

9-12



# OPTION A: K-3, 4-6, 7-8, 9-12

ELIMINATES ONE ELEMENTARY SCHOOL

*Potentially feasible in 2017-18 at Reed @ 852*

## Opportunities:

- Early assembly of cohort grade-level
- 2017-18 projecting 852 students at RIS; attainable without compromising teaching & learning and without the use of portable classrooms (*largest enrollment in 2005-06; 915 students*)
- Projected space constraints are non-existent
- Offers more student opportunity to one of the district's premier school buildings
- Maintains intermediate teaching & learning philosophy

## Challenges:

- Reconfiguration would close an elementary school
- Closing of an Elementary School would involve redistricting two or more schools
- Social/Emotional Impact on students and families should be considered a significant factor
- Elementary Schools would be the first ones to see/feel the impact of the projected emerging increase of students/long term viability

# OPTION B: K-3, 4-5, 6-8, 9-12

ELIMINATES ONE ELEMENTARY SCHOOL

*Potentially feasible in 2017-18 at Reed @ 549;*

*Potentially feasible in 2019-20 at Middle School @ 872*

## Opportunities:

- Early assembly of cohort grade-level
- 2017-18 projecting 549 students at RIS attainable without compromising teaching & learning and without the use of portable classrooms
- Offers more student opportunity to one of the district's premier school buildings
- Maintains intermediate teaching & learning philosophy

## Challenges:

- Offers fewer students the opportunity to be housed in one of district's premier school buildings (*RIS would be at approximately 60% capacity*)
- Reconfiguration would close an elementary school
- Closing of an Elementary School would involve redistricting two or more schools
- Social/Emotional Impact on students and families should be considered a significant factor
- Elementary Schools would be the first ones to see/feel the impact of the projected emerging increase of students/long term viability
- Certification concerns grades 6-8
- 2017-18 grade 6-8 enrollment at NMS; 999 requires portable classrooms to appropriately support teaching & learning (*largest enrollment in 2007-08; 930 students*)

# Option C: K-3, 4-5, 6-7, 8-12

ELIMINATES ONE ELEMENTARY SCHOOL

*Potentially feasible in 2017-18 at Reed @ 549 & Middle School @ 648;*

*Potentially feasible in 2019-20 at High School @ 1773*

## Opportunities:

- Early assembly of cohort grade-level
- 2017-18 projecting 549 students at RIS and 648 students at Newtown Middle School, attainable without compromising teaching & learning and without the use of portable classrooms
- Possible enhanced opportunities for eighth-grade students offers more student opportunity to one of the district's premier school buildings
- Maintains intermediate teaching & learning philosophy

## Challenges:

- Certification concerns for grades 6-8
- 2017-18 grade 8-12 projecting 1975. Reconfiguration will increase enrollment to near capacity; 2,057 (largest 4-year cohort in 2012-13; 1,764 students)
- Reconfiguration would close an elementary school
- Closing of an Elementary School would involve redistricting two or more schools
- Social/Emotional impact on students and families should be considered a significant factor
- Elementary Schools would be the first ones to see/feel the impact of the projected emerging increase of students/long term viability
- Concerns regarding Grade 8 in the high school setting
- Splits 7-8, Impact on clubs, team sports, etc.
- Logistical considerations @ NHS such as parking, potential building modifications (ex. Cafeteria space), Traffic, etc.
- Compromises state-funded, school-based health center

# OPTION D: K-4, 5-6, 7-8, 9-12

ELIMINATES ONE ELEMENTARY SCHOOL

*Potentially feasible in 2017-18*

## Opportunities:

- Greater student capacity at new SHS to consolidate four schools to three schools
- Maintains intermediate teaching & learning philosophy

## Challenges:

- Reconfiguration would close an elementary school
- Closing of an Elementary School would involve redistricting two or more schools
- Elementary Schools would be the first ones to see/feel the impact of the projected emerging increase of students/long term viability
- Social/Emotional Impact on students and families should be considered a significant factor
- Immediate space concerns in three existing elementary schools

## **SUMMARY INFORMATION ELEMENTARY SCHOOL CLOSING**

The committee recognizes that the district's enrollment decline is felt most presently in our elementary schools. This presents the opportunity to close an elementary school, redistrict students, and consolidate staffing. While this may seem like a cost-effective option, it is an option that only has short term viability.

# **Reconfiguration Options IF Newtown Middle School Closed**

## OPTION E: K-5, 6-7, 8-12 ELIMINATE NEWTOWN MIDDLE SCHOOL

*Immediately feasible at Reed; feasible at NHS in 2018-19 @ 1881*

### Opportunities:

- Fewer transitions within the district
- Limits redistricting
- Possible enhanced opportunities for 8<sup>th</sup> grade students
- Developmentally appropriate 6/7
- Once feasible at NHS, high space sustainability

### Challenges:

- Immediate space constraints on elementary schools
- Low space sustainability at elementary schools
- Delays assembly of grade-level cohort
- Concerns regarding Grade 8 in the high school setting
- Splits 7-8, Impact on clubs, team sports, etc.
- Logistical considerations @NHS such as parking, potential building modifications (ex. Cafeteria space), traffic, etc.
- Potentially compromises state-funded, school-based health center
- Few 8-12 models across state
- Certification limitations 6-7

# Option F: K-5, 6-8, 9-12

Eliminate Newtown Middle School

*Potentially feasible in 2019-20 at Reed @ 872;*

*More realistically feasible in 2020-21 at Reed @ 840*

## Opportunities:

- Fewer transitions within the district
- Limits redistricting
- Re-establishes traditional middle school model

## Challenges:

- Immediate space constraints on elementary schools
- Low space sustainability at elementary schools
- Does not address eventual excess space at NHS
- Delays assembly of grade-level cohort
- Potentially compromises state-funded, school-based health center
- Eliminates the intermediate model/philosophy



# OPTION G: K-4, 5-6, 7-12

ELIMINATE NEWTOWN MIDDLE SCHOOL

*Potentially feasible in 2022-23 at NHS @ 1739*

## Opportunities:

- Fewer transitions within the district
- Limits redistricting
- Maintains the intermediate model/philosophy
- Possible enhanced opportunities for 7/8 students
- High space sustainability across all levels
- Maintains advantageous assembly of grade-level cohort at grade 5
- Space available at RIS for state-funded school-based health center

## Challenges:

- Concerns regarding 7/8 in the high school setting
- Logistical considerations at NHS such as parking, potential building modifications (ex. Cafeteria space), traffic, etc.
- Feasibility is many years out
- Puts immediate space constraints on NHS:
  - 2019-20 = 2069
  - 2020-21 = 1927
  - 2021-22 = 1808
  - 2022-23 = 1739

# Option H: K-3, 4-6, 7-12

Eliminate Newtown Middle School

*Potentially feasible in 2022-23 at NHS @ 1739*

## Opportunities:

- Fewer transitions within the district
- Maintains the intermediate model/philosophy
- Possible enhanced opportunities for 7/8 students
- High space sustainability across all levels
- Spreads space between elementary/intermediate
- Cost effectively brings cohort together one year sooner than current model

## Challenges:

- Compromises state-funded, school-based health center
- Concerns regarding 7/8 in the high school setting
- Logistical considerations at NHS such as parking, potential building modifications (ex. Cafeteria space), traffic, etc.
- Potential redistricting
- Puts immediate space constraints on NHS:
  - 2019-20 = 2069
  - 2020-21 = 1927
  - 2021-22 = 1808
  - 2022-23 = 1739

# OPTION I: K-4, 5-7, 8-12

ELIMINATE NEWTOWN MIDDLE SCHOOL

*Potentially feasible in 2019-20 at both RIS/NHS*

## Opportunities:

- Fewer transitions within the district
- Limits redistricting
- Possible enhanced opportunities for 8<sup>th</sup> graders
- High space sustainability across all levels
- Maintains advantageous assembly of grade-level cohort at grade 5

## Challenges:

- Concerns regarding Grade 8 in the high school setting
- Splits 7-8, Impact on clubs, team sports, etc.
- Logistical considerations @ NHS such as parking, potential building modifications (ex. Cafeteria space), traffic, etc.
- Compromises state-funded, school-based health center
- Requires rethinking of the intermediate model
- Immediate space constraints on Reed and NHS:
  - 2019-20 – RIS @ 830 NHS @ 1773

***The difficulty lies not so much in developing new ideas but in escaping from old ones.***

***John Maynard Keynes***

The Value of Space and Opportunity

# NOT CLOSING A SCHOOL

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## Potential Uses of Available Space

- ❖ Repurposing space for innovative, academic programming
- ❖ Sharing space with Newtown Board of Education, Town offices/departments, or private organizations
- ❖ A combination of the above

# PRIORITY DISCUSSION POINTS

- Safety & Security
- Cost of repurposing
- Emergency exits / ADA
- Hours of use
- Scheduling of activities
- Parking
- Traffic
- Sharing Costs (maintenance and custodian)

# TODAY'S LEARNING ENVIRONMENTS

The Organization for Economic Co-operation and Development (OECD) recommends that schools *“...accommodate both the known and identifiable needs of today, and the uncertain demands of the future.”*

School environments need to support and enhance the learning process, encourage innovation, and foster positive human relationships.

# DEFINITION OF SPACE



- There is NO empty/unused space
- What teaching and learning looks like today has changed...
  - Technology
  - Special Education and Scientific Research Based Instruction
  - Readers'/Writers' Workshop Models
  - Enrichment and Support Centers
  - Flexibility, Collaboration, Inquiry and Innovation



# CURRENT REPURPOSING OF SPACE ELEMENTARY LEVEL

## Current Usage of Space (Elementary)

- Reading Libraries (Class Books)
- Computer Labs
- Resource Rooms (Special Education)
  - Instruction
  - Quiet Rooms
  - Occupational Therapy
  - Physical Therapy
- Math/Science Labs
- Daycare
- Intervention Rooms (Science Based Research Instruction)
  - Support
  - Enrichment

## Considerations

- Suitability of Educational Programming, Resources, Delivery
- Cost Savings/Avoidance
- Potential Revenue
- Potential loss of current uses of space

# CURRENT USES OF SPACE

## SECONDARY LEVEL

### **Current Usage of Space (MS / HS)**

- District Preschool
- Writing Center
- Support Centers  
(Science Based Research Instruction)
- Tutoring
- Therapy for Medically Fragile
- Academic Skills
- School Based Health Center
- Nurtury Program

### **Considerations**

- Suitability of Educational Programming, Resources, Delivery
- Cost Savings/Avoidance
- Potential Revenue
- Potential loss of current uses of space

# BOARD OF EDUCATION OFFICES

## Considerations

- ❖ Suitable Building
- ❖ Sustainability
- ❖ Proximity to school staff, students, and administration (*past practice*)
- ❖ Suitability of Educational Programming, Resources, Delivery
- ❖ Cost Savings (*to BOE budget*) but potential loss to Town
- ❖ \$200,000-220,000 cost (*repayment of grant in 2018-19*)

# TOWN / PRIVATE USAGE

## Considerations

- ❖ Security
- ❖ Suitable building (*previous “Shared Space” slide*)
- ❖ Cost Savings/Avoidance
- ❖ Strengthen partnership role within school community
- ❖ Potential revenue
- ❖ Sustainability
- ❖ Suitability of Educational Programming, Resources, Delivery

# REIMAGINING EDUCATIONAL SPACE IN THE 21<sup>ST</sup> CENTURY



# POTENTIAL USES OF SPACE FOR INNOVATIVE PROGRAMMING

- Expansion of Alternative Education/ partnerships with other districts
- Enhanced research/technology
- New STEM or STEAM programs (e.g., Engineering)
- Career Pathways Model (e.g., XQ Vision)
- Personalized Learning - Makerspaces



## COST SAVINGS/COST AVOIDANCE

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IF there was to be a school closing, THEN the following information represents the BOE completely relinquishing the property back to the Town.

## RE-PURPOSING OR CLOSING A SCHOOL

- This report does not include staffing other than custodial and security.
- All costs are taken from the 2016-17 approved budget and subject to inflationary change.
- Moving and furniture disposal costs are based on estimates and subject to change.
- Estimated usage costs to the Town for *re-purposing* are based on a “light” office type environment.



# COST SAVINGS RE-PURPOSING A SCHOOL

	<u>Elementary School Average</u>				<u>Middle School</u>				
	Current Costs		% to Town		Annual Costs		Annual Costs		
<b>People Costs</b>									
<u>Position</u>	<u>F.T.E</u>	<u>Salaries</u>	<u>F.T.E</u>	<u>Salaries</u>	<u>F.T.E</u>	<u>Salaries</u>	<u>F.T.E</u>	<u>Salaries</u>	
Custodial	3.0	\$158,313	1.0	\$52,771	9.0	\$461,269	2.0	\$102,504	
Overtime		\$7,000				\$20,000			
Security	1.0	\$21,548	0.0	\$0	1.0	\$21,548	0.0	\$0	
		\$186,861		\$52,771		\$502,817		\$102,504	
<b>Building Costs</b>									
<u>Purchased Services</u>		<u>Cost</u>		<u>Savings</u>		<u>Cost</u>		<u>Savings</u>	
Copy Machines (Equip rental)		\$11,290	0%	\$0		\$30,533	0%	\$0	
Telephone		\$5,710	22%	\$1,256		\$16,421	22%	\$3,613	
Water (\$200 per month service fee, based on summer mon		\$3,833	50%	\$1,917		\$7,300	50%	\$3,650	
Sewer		\$2,000	35%	\$700		\$6,600	35%	\$2,310	
Equipment repair		\$2,490	35%	\$872		\$7,280	35%	\$2,548	
		\$25,324		\$4,744		\$68,134		\$12,121	
<u>Plant Operation</u>	<u>Unit Cost</u>		<u>Units</u>				<u>Units</u>		
Service Contracts			\$63,562	50%	\$31,781		\$49,824	50%	\$24,912
Refuse & Recycling			\$6,930	30%	\$2,079		\$19,929	20%	\$3,986
Bldg. & Emer. Repairs			\$45,583	25%	\$11,396		\$95,100	25%	\$23,775
Property Insurance			\$8,075	100%	\$8,075		\$24,483	100%	\$24,483
Custodial Supplies			\$14,645	20%	\$2,929		\$42,117	20%	\$8,423
Maintenance Supplies			\$10,953	20%	\$2,191		\$31,498	20%	\$6,300
Electricity			\$65,561	50%	\$32,780		\$136,504	50%	\$68,252
Fuel Oil	\$1.43	11,000	\$18,529	80%	\$14,823	79,000	\$112,599	80%	\$90,079
Natural Gas			\$18,585	80%	\$14,868		\$4,400	0%	\$0
Sewer Assessment			\$12,990	100%	\$12,990		\$26,779	100%	\$26,779
			\$265,413		\$133,912		\$543,232		\$276,988
<b>Annual BOE Cost Savings</b>			<b>\$477,598</b>		<b>\$191,427</b>		<b>\$1,114,184</b>		<b>\$391,613</b>
<b>Moving Costs &amp; Furniture Disposal</b>			<b>-\$178,000</b>				<b>-\$410,000</b>		
<b>Annual Costs to Town for Re-purposing</b>			<b>-\$191,427</b>				<b>-\$391,613</b>		
<b>Net Savings to Town Budget</b>			<b>\$286,171</b>				<b>\$722,570</b>		
<b>Annual Tax Savings to Community (33.60 mill)</b>			<b>-0.28%</b>		<b>-\$28.00 *</b>		<b>-0.72%</b>		<b>-\$72.00 *</b>

\*Savings based on a \$10,000 annual tax bill

# CLOSING A SCHOOL

	Elementary School Average				Middle School				
	Current Costs		% to Town	Annual Costs		Current Costs		% to Town	Annual Costs
<u>People Costs</u>	<u>Position</u>	<u>F.T.E</u>	<u>Salaries</u>	<u>F.T.E</u>	<u>Salaries</u>	<u>F.T.E</u>	<u>Salaries</u>	<u>F.T.E</u>	<u>Salaries</u>
	Custodial	3.0	\$158,313	0.0	\$0	9.0	\$461,269	0.0	\$0
	Overtime		\$7,000				\$20,000		
	Security	1.0	\$21,548	0.0	\$0	1.0	\$21,548	0.0	\$0
			\$186,861		\$0		\$502,817		\$0
<u>Building Costs</u>			<u>Cost</u>				<u>Cost</u>		
	<u>Purchased Services</u>		<u>Savings</u>				<u>Savings</u>		<u>Cost</u>
	Copy Machines (Equip rental)		\$11,290	0%	\$0		\$30,533	0%	\$0
	Telephone		\$5,710	20%	\$1,142		\$16,421	20%	\$3,284
	Water (\$200 per month service fee)		\$3,833	55%	\$2,108		\$7,300	34%	\$2,482
	Sewer		\$2,000	10%	\$200		\$6,600	10%	\$660
	Equipment repair		\$2,490	0%	\$0		\$7,280	0%	\$0
			\$25,324		\$3,450		\$68,134		\$6,426
<u>Plant Operation</u>	<u>Unit Cost</u>	<u>Units</u>				<u>Units</u>			
			\$63,562	25%	\$15,890		\$49,824	25%	\$12,456
			\$6,930	0%	\$0		\$19,929	0%	\$0
			\$45,583	15%	\$6,838		\$95,100	15%	\$14,265
			\$8,075	100%	\$8,075		\$24,483	100%	\$24,483
			\$14,645	0%	\$0		\$42,117	0%	\$0
			\$10,953	0%	\$0		\$31,498	0%	\$0
			\$65,561	20%	\$13,112		\$136,504	20%	\$27,301
	\$1.43	11,000	\$18,529	50%	\$9,264	79,000	\$112,599	50%	\$56,299
			\$18,585	50%	\$9,293		\$4,400	0%	\$0
			\$12,990	100%	\$12,990		\$26,779	100%	\$26,779
			\$265,413		\$75,462		\$543,232		\$161,583
<b>Annual BOE Cost Savings</b>			<b>\$477,598</b>		<b>\$78,912</b>		<b>\$1,114,184</b>		<b>\$168,009</b>
<i>Moving Costs &amp; Furniture Disposal</i>			<i>-\$178,000</i>				<i>-\$410,000</i>		
<b>Annual Costs to Town to Maintain Empty Building</b>			<b>-\$78,912</b>				<b>-\$168,009</b>		
<b>Net 1st Year Savings to Town Budget</b>			<b>\$398,686</b>				<b>\$946,175</b>		
Annual Tax Savings to Community (33.60 mill)			mill rate reduction -0.40%		-\$40.00 *		mill rate reduction -0.94%		-\$94.00 *

\*Savings based on a \$10,000 annual tax bill

# CHANGE IN MILL RATE

- For every \$100,000 reduction to the Town budget, the mill rate is reduced by 1/10 of a percent
- Based on an annual tax bill of \$10,000, your savings would be \$10

**TOWN OF NEWTOWN  
WHAT IF? CHANGES TO 2016-17 BUDGET  
2016 - 2017**

REDUCTION TO 2016-17 BUDGET	CURRENT TAXES (99.0% of Levy)	TAX DECREASE	CHANGE IN TAX BILL * \$8,000 (ANNUAL)	CHANGE IN TAX BILL ** \$10,000 (ANNUAL)	
<b>CURRENT TOTAL BUDGET</b>	<b>100,571,352</b>				
(100,000)	100,471,352	<b>-0.10%</b>	\$ (8)	\$ (10)	
(200,000)	100,371,352	<b>-0.20%</b>	\$ (16)	\$ (20)	
(286,171)	100,285,181	<b>-0.28%</b>	\$ (23)	\$ (28)	A) Re-purposing an elementary school
(300,000)	100,271,352	<b>-0.30%</b>	\$ (24)	\$ (30)	
(398,686)	100,172,666	<b>-0.40%</b>	\$ (32)	\$ (40)	B) Closing an elementary school
(400,000)	100,171,352	<b>-0.40%</b>	\$ (32)	\$ (40)	
(500,000)	100,071,352	<b>-0.50%</b>	\$ (40)	\$ (50)	
(600,000)	99,971,352	<b>-0.60%</b>	\$ (48)	\$ (60)	
(700,000)	99,871,352	<b>-0.70%</b>	\$ (56)	\$ (70)	
(722,570)	99,848,782	<b>-0.72%</b>	\$ (57)	\$ (72)	C) Re-purposing the Middle School
(800,000)	99,771,352	<b>-0.80%</b>	\$ (64)	\$ (80)	
(900,000)	99,671,352	<b>-0.89%</b>	\$ (72)	\$ (89)	
(946,175)	99,625,177	<b>-0.94%</b>	\$ (75)	\$ (94)	D) Closing the Middle School
(1,000,000)	99,571,352	<b>-0.99%</b>	\$ (80)	\$ (99)	
(1,500,000)	99,071,352	<b>-1.49%</b>	\$ (119)	\$ (149)	
(2,000,000)	98,571,352	<b>-1.99%</b>	\$ (159)	\$ (199)	

# HOW DOES A CLOSING OR RE-PURPOSING A SCHOOL AFFECT MY PROPERTY TAX?

- Based on scenario, annual property taxes will be reduced by:

Annual Tax Reduction Based on Scenario

Based on current mill rate of 33.60

Home Market Value*	Home Assessed Value	Annual Property Tax**	Re-purposing Scenario		Closing Scenario	
			Elementary	Middle School	Elementary	Middle School
			<b>-\$286,171</b>	<b>-\$722,570</b>	<b>-\$398,686</b>	<b>-\$946,175</b>
			<b>33.51</b>	<b>33.36</b>	<b>33.47</b>	<b>33.29</b>
\$100,000	\$70,000	\$2,352	-\$6.37	-\$16.58	-\$9.00	-\$21.81
\$150,000	\$105,000	\$3,528	-\$9.55	-\$24.86	-\$13.50	-\$32.71
\$200,000	\$140,000	\$4,704	-\$12.74	-\$33.15	-\$18.00	-\$43.61
\$250,000	\$175,000	\$5,880	-\$15.92	-\$41.44	-\$22.50	-\$54.52
\$300,000	\$210,000	\$7,056	-\$19.11	-\$49.73	-\$27.00	-\$65.42
\$350,000	\$245,000	\$8,232	-\$22.29	-\$58.02	-\$31.50	-\$76.32
\$400,000	\$280,000	\$9,408	-\$25.48	-\$66.31	-\$36.00	-\$87.23
\$450,000	\$315,000	\$10,584	-\$28.66	-\$74.59	-\$40.50	-\$98.13
\$500,000	\$350,000	\$11,760	-\$31.85	-\$82.88	-\$45.00	-\$109.03
\$550,000	\$385,000	\$12,936	-\$35.03	-\$91.17	-\$49.50	-\$119.94
\$600,000	\$420,000	\$14,112	-\$38.21	-\$99.46	-\$54.00	-\$130.84
\$650,000	\$455,000	\$15,288	-\$41.40	-\$107.75	-\$58.51	-\$141.74
\$700,000	\$490,000	\$16,464	-\$44.58	-\$116.03	-\$63.01	-\$152.64
\$750,000	\$525,000	\$17,640	-\$47.77	-\$124.32	-\$67.51	-\$163.55
\$800,000	\$560,000	\$18,816	-\$50.95	-\$132.61	-\$72.01	-\$174.45
\$850,000	\$595,000	\$19,992	-\$54.14	-\$140.90	-\$76.51	-\$185.35
\$900,000	\$630,000	\$21,168	-\$57.32	-\$149.19	-\$81.01	-\$196.26
\$950,000	\$665,000	\$22,344	-\$60.51	-\$157.48	-\$85.51	-\$207.16
\$1,000,000	\$700,000	\$23,520	-\$63.69	-\$165.76	-\$90.01	-\$218.06

Home market values from revaluation date of 10/1/12. Next revaluation will be 10/1/17

# COST AVOIDANCE & OTHER CONSIDERATIONS

- Cost Avoidance
  - Projects
  - CIP
- Loss of Hawley Fund if not Re-purposed
  - Annual income payments
- Re-payment of Grant to State for Capital Projects
  - Hawley School Addition Project
  - Middle School Roof Project
- Main Server Relocation
  - Costs to move
  - Where to re-locate?

# COST AVOIDANCE & OTHER CONSIDERATIONS

	<b>Elementary School</b>			<b>Middle School</b>	
<u>Projects 2016-17</u>	<b>HAW</b>	<b>MGS</b>	<b>HOM</b>	<u>Projects 2016-17</u>	
Carpet/Flooring in main office and library	\$18,000				
Pave drive rear 48 wing to escape path	\$25,000				
	\$43,000				
Replace stage lighting		\$6,000			
Repaint overhangs at entrances		\$15,000			
		\$21,000			
Repair paving and install curbing next to catch basin			\$15,000		
				Install access card readers	\$6,000
				upgrade C-wing bathroom	\$18,000
				Replace stair treads	\$10,000
				Remove oil tank	\$10,000
					\$44,000
Projects Year 2 (2017-18)	\$52,000	\$75,000	\$55,000	Projects Year 2 (2017-18)	\$387,000
Projects Year 3	\$10,000	\$10,000	\$20,000	Projects Year 3	\$160,000
Projects Year 4	\$15,000	\$85,000	\$15,000	Projects Year 4	\$70,000
Projects Year 5	\$20,000	\$25,000	\$20,000	Projects Year 5	\$70,000
	\$97,000	\$195,000	\$110,000		\$687,000
<b>Total Projects</b>	<b>\$140,000</b>	<b>\$216,000</b>	<b>\$125,000</b>		<b>\$731,000</b>
<u>Capital Improvement</u>				<u>Capital Improvement</u>	
Roof Replacement	\$800,000	\$1,500,000	\$0	Replace Boiler & Piping	\$2,200,000
Replace Boiler	\$1,620,000	\$0	\$0	Ventilation Renovations	\$4,805,000
<b>Total CIP</b>	<b>\$2,420,000</b>	<b>\$1,500,000</b>	<b>\$0</b>		<b>\$7,005,000</b>

## Other Considerations

<u>Loss of Hawley Fund</u>	<u>Moving of Servers</u>
Approximate annual income of Hawley fund	Cost to move and relocate
\$19,273	\$75,000
<u>Repayment to State if school is closed and NOT re-purposed</u>	<u>Repayment to State if school is closed and NOT re-purposed</u>
Hawley - addition project	Middle School - roof project
\$214,801	\$833,751

# NEXT LEVEL OF WORK

- ❖ Continued BOE Conversation July / August / September
- ❖ Reducing The Scope of the February 2016 Directive

**Conceptual Understanding:**

**Cohort Assembly vs. Cost Analysis**

**Data Relevant June 2016**

**Grade 4 Total: 296 students Instructed in 15 Sections**

- **Average Class Size 19.7**

HES	23	24	24		71
SH	17	18	19	17	71
MG	20	21	20	21	82
HoM	16	19	20	17	72
					296

*If Grade 4 was to be assembled in the same building and if the cohort assembly stayed consistent with BOE guidelines*

*Then the following data is relevant:*

**Matrix built on Average Class Size of 22/23 (BOE max 25)**

- **13 Sections With Class Size 22/23 Students**

**Annual Net +/- (2) = \$60,000 X 2 = \$120,00**

**Matrix built on Average Class Size of 24/25 (BOE max 25)**

- **12 Sections With Class Size 24/25 Students**

**Annual Net +/- (3) = \$60,000 X 3 = \$180,00**

*JVE  
7/19/16*



**Option A: K-3, 4-6, 7-8, 9-12**  
**Eliminates one elementary school**  
*Potentially feasible in 2017-18 at Reed @ 852*

Year	2017	2018	2019	2020	2021	2022	2023	2024
K	202	198	213	229	245	262	279	296
1	224	222	218	234	251	269	287	306
2	264	226	223	219	236	253	271	289
3	258	268	229	227	223	239	257	275
Total	948	914	883	909	955	1023	1094	1166
Year	2017	2018	2019	2020	2021	2022	2023	2024
4	261	259	269	230	227	223	240	258
5	288	265	263	273	233	231	227	244
6	303	295	271	270	280	240	237	233
Total	852	819	803	773	740	694	704	735
Year	2017	2018	2019	2020	2021	2022	2023	2024
7	345	304	296	273	271	281	241	238
8	351	346	305	297	273	271	282	241
Total	696	650	601	570	544	552	523	479
Year	2017	2018	2019	2020	2021	2022	2023	2024
9	387	345	339	299	292	268	266	277
10	409	385	343	338	298	290	267	265
11	402	407	383	341	336	296	288	265
12	426	398	403	379	338	333	293	286
Total	1624	1535	1468	1357	1264	1187	1114	1093

# Option B: K-3, 4-5, 6-8, 9-12

Eliminates one elementary school

*Potentially feasible in 2017-18 at Reed @ 549;*

*Potentially feasible in 2019-20 at Middle School @ 872*

Year	2017	2018	2019	2020	2021	2022	2023	2024
K	202	198	213	229	245	262	279	296
1	224	222	218	234	251	269	287	306
2	264	226	223	219	236	253	271	289
3	258	268	229	227	223	239	257	275
Total	948	914	883	909	955	1023	1094	1166
Year	2017	2018	2019	2020	2021	2022	2023	2024
4	261	259	269	230	227	223	240	258
5	288	265	263	273	233	231	227	244
Total	549	524	532	503	460	454	467	502
Year	2017	2018	2019	2020	2021	2022	2023	2024
6	303	295	271	270	280	240	237	233
7	345	304	296	273	271	281	241	238
8	351	346	305	297	273	271	282	241
Total	999	945	872	840	824	792	760	712
Year	2017	2018	2019	2020	2021	2022	2023	2024
9	387	345	339	299	292	268	266	277
10	409	385	343	338	298	290	267	265
11	402	407	383	341	336	296	288	265
12	426	398	403	379	338	333	293	286
Total	1624	1535	1468	1357	1264	1187	1114	1093

# Option C: K-3, 4-5, 6-7, 8-12

Eliminates one elementary school

*Potentially feasible in 2017-18 at Reed @ 549 and Middle School @ 648;*

*Potentially feasible in 2019-20 at High School @ 1773*

Year	2017	2018	2019	2020	2021	2022	2023	2024
K	202	198	213	229	245	262	279	296
1	224	222	218	234	251	269	287	306
2	264	226	223	219	236	253	271	289
3	258	268	229	227	223	239	257	275
Total	948	914	883	909	955	1023	1094	1166
Year	2017	2018	2019	2020	2021	2022	2023	2024
4	261	259	269	230	227	223	240	258
5	288	265	263	273	233	231	227	244
Total	549	524	532	503	460	454	467	502
Year	2017	2018	2019	2020	2021	2022	2023	2024
6	303	295	271	270	280	240	237	233
7	345	304	296	273	271	281	241	238
Total	648	599	567	543	551	521	478	471
Year	2017	2018	2019	2020	2021	2022	2023	2024
8	351	346	305	297	273	271	282	241
9	387	345	339	299	292	268	266	277
10	409	385	343	338	298	290	267	265
11	402	407	383	341	336	296	288	265
12	426	398	403	379	338	333	293	286
Total	1975	1881	1773	1654	1537	1458	1396	1334

# Option D: K-4, 5-6, 7-8, 9-12

**Eliminates elementary school**  
*Potentially feasible in 2017-18*

Year	2017	2018	2019	2020	2021	2022	2023	2024
K	202	198	213	229	245	262	279	296
1	224	222	218	234	251	269	287	306
2	264	226	223	219	236	253	271	289
3	258	268	229	227	223	239	257	275
4	261	259	269	230	227	223	240	258
Total	1209	1173	1152	1139	1182	1246	1334	1424
Year	2017	2018	2019	2020	2021	2022	2023	2024
5	288	265	263	273	233	231	227	244
6	303	295	271	270	280	240	237	233
Total	591	560	534	543	513	471	464	477
Year	2017	2018	2019	2020	2021	2022	2023	2024
7	345	304	296	273	271	281	241	238
8	351	346	305	297	273	271	282	241
Total	696	650	601	570	544	552	523	479
Year	2017	2018	2019	2020	2021	2022	2023	2024
9	387	345	339	299	292	268	266	277
10	409	385	343	338	298	290	267	265
11	402	407	383	341	336	296	288	265
12	426	398	403	379	338	333	293	286
Total	1624	1535	1468	1357	1264	1187	1114	1093