Stoughton Elementary School Building Committee



Stoughton District School Office Conference room Stoughton, Massachusetts 02072

> May 11, 2023 7:00 pm

Call to Order

Chair T J Recupero commenced a call to order the meeting of the Stoughton Elementary School Building Committee at 7:01 pm on May 11, 2023 in Stoughton District School Conference room, Stoughton, Massachusetts.

Roll Call

The following voting members were present: Dr. Thomas Raab, Jake Dore, Katie Monahan, Joe Buckley, Melissa Lynch, Joyce Husseini, T J Recupero, Steve Cavey

Absent: Eileen Sprague, Dianne Dolan

Present from Compass Project Management, Inc.: Domenic Tiberi and Tim Bonfatti Present from Drummey Rosanne Anderson: Courtney Southwick and Carl Franceschi Present from Stoughton School Dept: Present from the Stoughton Community: Katherine Weiss Present from the town hall of Stoughton: Fran Bruttaniti School Committee Member: Armando Barbosa

1. Public Participation

First order business is public participation. This is the point in the meeting where we invite people to address the committee with any questions or comments. Not something we can talk about substantially or substantively at this meeting, but certainly something that if it warrants, we could put on a future agenda for discussion.

No Comment

2. Vendor Invoice Package

Vertex reviewed the invoices that associated with the vendor invoice package as listed below:

Stoughton South Elementary School Expenditures -

4/30/23

Pd. For			Invoice		MSBA		Invoice LN	
Appr.	Vendor Name	Inv no.	Date	LN	CODE	MSBA Desc	Amount	Total All Inv Lines
2023.04	NEW Invoices	Recommended	for Payme	nt t	his Period			
2023.04	Vertex	OPM 119-10	4/30/23	s	00010000	OPM - Feasibility Study	9,631.50	9,631.50
2023.04	DRA	0000004	4/30/23	s	00020000	A&E - Feasibility Study	21,000.00	21,000.00
		Total	NEW invoice	s RI	COMMENDE	D for PAYMENT this month:	30,631.50	30,631.50

MOTION to approve vendor invoice package for the amount \$ 30,631.50.

Moved Joyce Husseini Seconded Jake Dore Vote: 10-0 approved

Committee sign off invoice package.

3. Meeting Minutes

MOTION

Motion to accept the minutes for South School Building Committee for April 12, 2023

Moved Melissa Lynch Seconded Katie Monahan Abstained (Steve Cavey)

Vote: 9-0

Motion to accept the minutes for South School Building Committee for April 26, 2023

Moved Melissa Lynch Seconded Katie Monahan Abstained (Steve Cavey)

Vote: 9-0

4. Preferred Schematic Submission extension

District and DRA have submitted the PDP. Some follow up items have been addressed to the MSBA. Mr. Recupero discussed the proposal to extend the time for the next submission.

Discussion regarding the next submission and new members of school committee. (TJR) proposed presenting to both SBC and SC extending out the schedule approximately three weeks. This would

give time for both the current school committee to be updated and better informed to make decision on consolidation. Also it would provide further time to get more feedback from the community going forward on the preferred option; including consolidation.

5. Presentation Slides (School Committee update)

Reviewed time line with extension (slide 2,3)

School Committee meeting May 23, 2023 Goal is to settle on a site

School Committee meeting June 13[,] 2023 presentation by Matt Cropper (Report will be sent separately) Report will show how the District will possible look with options and what is optimal in a consolidation process.

July/August School Committee meeting will determine preferred option with input for school building committee.

Information to be provided:

Cost and tax Impact Decision on preferred option for new elementary school Plan for Wilkins Elementary School usage. Study for existing South Elementary School to be developed

Reviewed topics Consolidation (slide 4,5,6)

(Rebalancing of District noting the four preliminary options)

(slide 10,11,12)

Look at the factors for redistricting. Utilization for space usage Demographics (racial and economic) LEP (Limited English student) percentages Impact on the number of students upon final decision

District map (heat zone) showing student density of enrolment throughout the District (Boundary Options slide 13,14,15,16,17)

Enrollment utilization study information (Cropper) (slide 7,8)

New configuration noted option utilization and how all fall into within the average. Student impact shown in distribution within the Cropper report.

Katherine Wiess noted main goal is the possible options in the future. Understand that schools in the future might change due to student enrollment and education goals.

Note: Redistricting most recently happen twenty years ago

TJ Recupero noted ultimate decision is the school committee to go forward with consolidation.

Timeline projecting future school turn over (slide 3)

Future addition and renovation in design for new school. DRA will follow up with a study. It is required as part of the design.

TJ discussed meeting with the town manager and his support. Discussed how do we pay for the project; debt financing; and maintain the town bond rating.

Matrix on options is completed. (slide 23,24,25,26,27,28)

Reviewed matrix that had been presented at last meeting. DRA will print out form and review comments that require addressing. Flexibility when we need more classroom space Community use beyond the school year! Better allocation of resources

MSBA requires green building. Two additional points can be attained for reimbursement for the elementary school project. Elementary School will go for LEED certification. Note Stoughton is a Stretch Code community.

The PSR will have a goal to be Net Zero ready. Design strategy will incorporate passive house process. See information on the following (slide 29,30,31,32,33,34,35,36,37,38,39,40)

6. New Business

Community Outreach:

Updated web site that allows the community to forward questions has been activated.

MSBA Model School program discussion to consider for the elementary school. Note that there is no longer any incentive % points through the MSBA. Also, would be difficult to follow education plan as written for the new elementary school.

Discussed energy incentives Path One program. Project will sign up for the program and design to take advantage of the reimbursement.

7. Adjournment

MOTION to adjourn 8:35 PM

Vote: 10-0 Approve

Next meeting April 26, 2023 - 7:00pm

Minutes prepared by: Dom Tiberi





May 11, 2023

- Project Timeline/ Decision
- Options Recap Review Criteria Matrix
- Consolidation Impacts
- Sustainability Goals
- Communication & Community Awareness

The New Elementary School | stoughton.ma School Building Committee



The New Elementary School Project SCHOOL COMMITTEE timeline

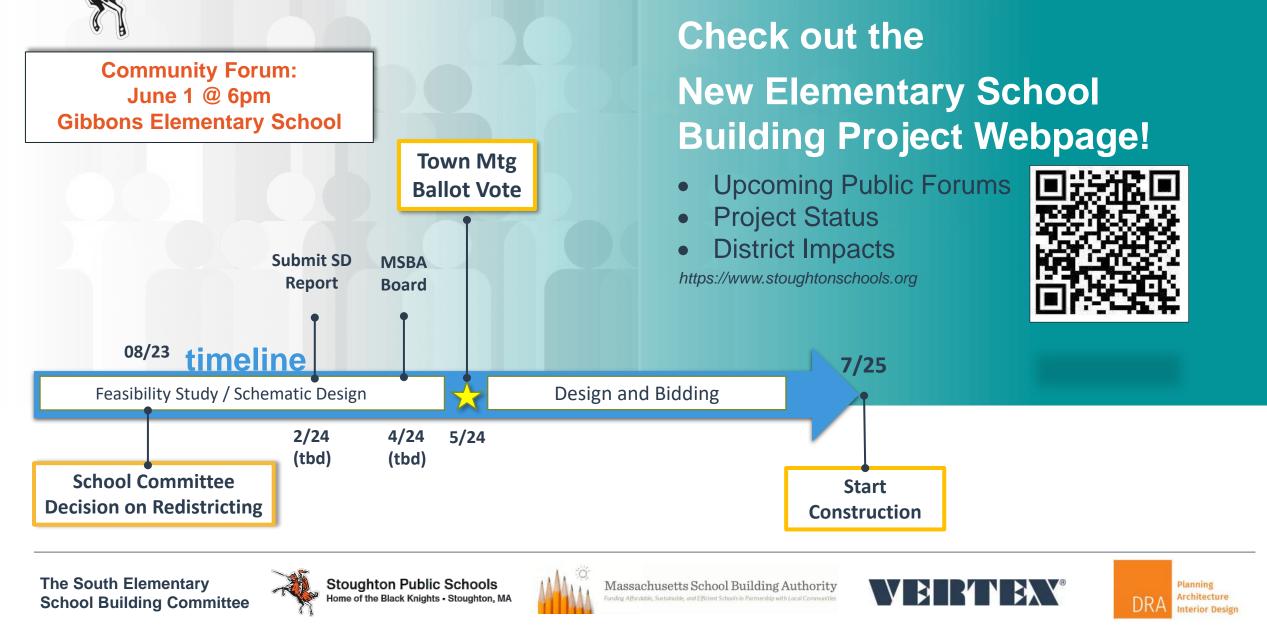
SBC Goal: select preferred design option	May	June	July	August
 SC Goal: Determine 5 or 4 schools with redistricting 5/23/2023 Educational impacts – consolidation Social / emotional impacts - consolidation Operational impacts – consolidation Operational impacts – consolidation Community Considerations - consolidation Sub 	School Building Committee SBC Goal: select preferred	design option		
 Educational impacts – consolidation Social / emotional impacts- consolidation Preliminary cost information/ tax impacts Preliminary cost information/ tax impacts – consolidation Operational impacts – consolidation Operational impacts – consolidation SC to VOTE Preferred 	School Committee	6/12/2022		
	 Educational impacts – consolidation Social / emotional 	 Preliminary cost impacts Operational imp Community Con 	information/ tax acts – consolidation	 Plan for Wilkins Plan for South SC to VOTE Preferred











 \checkmark

 \checkmark

 \checkmark

Should Stoughton Consolidate & Re-District their Elementary Schools?

School Committee to Decide Summer 2023

District Consolidation/ Redistricting Impacts

5 schools to 4 schools

- Maximize state reimbursement for Stoughton residents
- ✓ A larger school is more energy efficient & flexible
 - More elementary students benefit from the new larger school
 - Rebalance students to reduce pockets of overcrowding
- ✓ Ongoing Improvements at Dawe, Gibbons, and Hansen
 - New School can provide Community-wide amenities & program spaces
 - Reduce overall District costs in the long run



Suggestions? Check out the website! Email us at NewElementarySchool@stoughtonschools.org Sugestões? Confira o site! Envie-nos um e-mail para NewElementarySchool@stoughtonschools.org Community Forum: June 1 @ 6pm Gibbons Elementary School



https://www.stoughtonschools.org



The New Elementary School Project **KEY CONSIDERATIONS**:



Rebalance the District

- Utilization
- Demographics
- LEP Status
- Students Impacted

STUDENT IMPACT ESTIMATES: DRAFT PRELIMINARY OPTIONS								
Option	Total K-5th Live-In Students Impacted	Percent K-5th Live-In Students Impacted						
Option 1	638	41.1%						
Option 2	581	37.4%						
Option 3	638	41.1%						
Option 4	556	35.8%						

Current statistics are also reported in addition to the options. The data indicates that all options that have been drafted, provide a balance of utilization and demographics among schools. All options impact a relatively similar number of students. These serve as a proof of concept to align with long range facility, plans, and a more comprehensive review of boundaries. There are other alternatives that could be considered along with potential changes based off public input and other local stakeholder input.

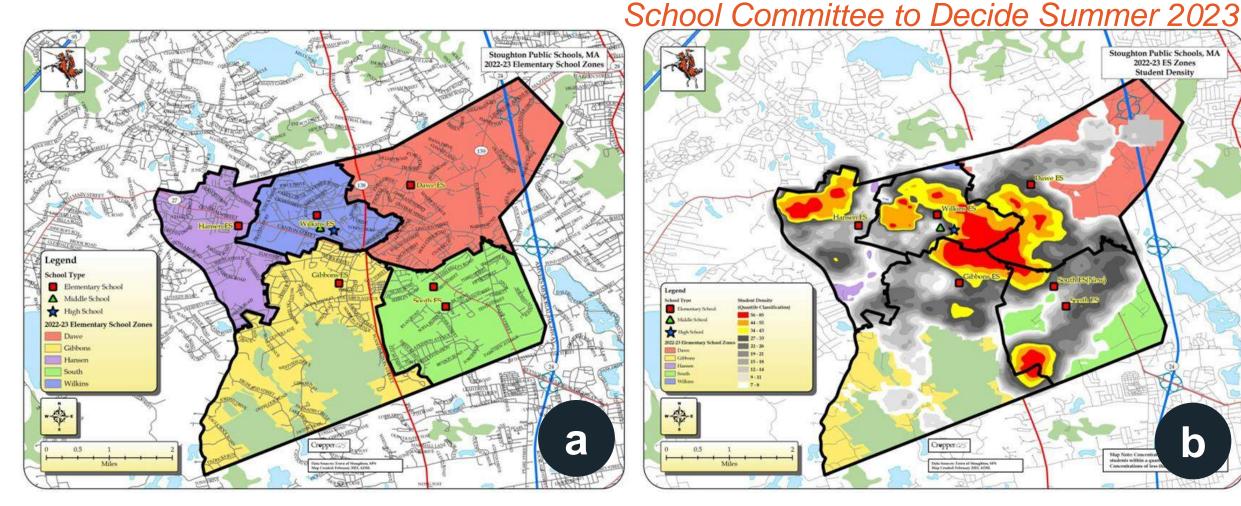
These should be considered preliminary and final boundaries should be evaluated in a more comprehensive process once the facility planning effort is complete.







Should Stoughton Consolidate & Re-District their Elementary Schools?







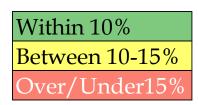
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ENROLLMENT & UTILIZATION

The following tables show current utilization by percentage based on current enrollment and 2022-23 building capacity. In comparison Options 1 - 4 estimate enrollment based on student live-in (students are assumed to attend the school to which they are zoned). Cells are color coded based on deviation from the standard percentage in each field. Percentages are rounded.



			2022-23 Enrollment and Utilization								
School Name	Capacity	KF	1	2	3	4	5	Total Enrollment	Utilization	Trend	
Dawe ES	404	72	79	54	61	55	60	381	94.3%		
Gibbbons ES	348	54	59	57	60	67	52	349	100.3%	_	
Hansen ES	272	40	54	38	50	38	44	264	97.1%	-	
South ES	288	47	48	49	52	42	43	281	97.6%		
Wilkins ES	348	68	66	42	42	34	41	293	84.2%		
Total	1660	281	306	240	265	236	240	1568	94.46%		







			Option 1 Estimated Enrollment							
School Name	Option Capacity	KF	1	2	3	4	5	Total Enrollment	Utilization	Trend
Dawe ES	404	79	77	54	65	55	54	384	95.0%	
Gibbons ES	348	62	70	62	48	50	42	334	96.0%	
Hansen ES	272	43	55	32	51	33	41	255	93.8%	
New ES	596	97	104	92	101	98	103	595	99.8%	_
Wilkins ES										
Total	1620	281	306	240	265	236	240	1568	96.79 %	



			Option 2 Estimated Enrollment							
School Name	Option Capacity	KF	1	2	3	4	5	Total Enrollment	Utilization	Trend
Dawe ES	404	84	77	59	49	51	50	370	91.6%	
Gibbons ES	348	57	70	53	51	63	56	350	100.6%	-
Hansen ES	272	45	50	34	62	36	46	273	100.4%	
New ES	596	95	109	94	103	86	88	575	96.5%	
Wilkins ES										
Total	1620	281	306	240	265	236	240	1568	96.79%	

ELEMENTARY SCHOOL Enrollment & Utilization

			Option 3 Estimated Enrollment							
School Name	Option Capacity	KF	1	2	3	4	5	Total Enrollment	Utilization	Trend
Dawe ES	404	77	74	52	64	54	52	409	101.2%	
Gibbons ES	348	64	73	64	49	51	44	309	88.8%	
Hansen ES	272	43	55	32	51	33	41	255	93.8%	
New ES	596	97	104	92	101	98	103	595	99.8%	_
Wilkins ES										
Total	1620	281	306	240	265	236	240	1568	96.79%	

			Option 4 Estimated Enrollment							
School Name	Option Capacity	KF	1	2	3	4	5	Total Enrollment	Utilization	Trend
Dawe ES	404	94	89	69	61	56	51	420	104.0%	
Gibbons ES	348	57	70	53	51	63	56	350	100.6%	_
Hansen ES	272	45	50	34	62	36	46	273	100.4%	_
New ES	596	85	97	84	91	81	87	525	88.1%	
Wilkins ES										
Total	1620	281	306	240	265	236	240	1568	96.79%	







	2022-23 Enr	olled LEP	Status	LEP	Status Opti	on 1	LEP Status Option 2		
School Name	0	1	4	0	1	4	0	1	4
Dawe ES	88%	12%	1%	88%	12%	0%	84%	16%	0%
Gibbons ES	90%	10%	1%	78%	21%	1%	89%	10%	1%
Hansen ES	93%	6%	0%	90%	9%	0%	89%	10%	0%
South ES	92%	8%	0%	90%	9%	0%	87%	13%	0%
Wilkins ES	73%	27%	0%						
Total	87%	13%	0%	87%	13%	0%	87%	13%	0%

	LEP	Status Opti	on 3	LEP Status Option 4			
School Name	0	1	4	0	1	4	
Dawe ES	88%	12%	0%	84%	16%	0%	
Gibbons ES	79%	21%	1%	89%	10%	1%	
Hansen ES	90%	9%	0%	89%	10%	0%	
New ES	90%	9%	0%	87%	13%	0%	
Wilkins ES							
Total	87%	13%	0%	87%	13%	0%	

LEP =Limited English Proficiency

0 = Can perform ordinary school work in English

1 = Can NOT perform ordinary school work in English

4 = Can NOT perform ordinary school work in English but opted out of the program.





ELEMENTARY SCHOOL LEP Status



ELEMENTARY SCHOOL Estimated Student Impacts

ES Zone 2022-23	ES Option 1	Total 2022-23 K-5th Live-In Students
Dawe	Dawe	231
Dawe	South	122
Gibbons	Gibbons	162
Gibbons	South	184
Hansen	Gibbons	32
Hansen	Hansen	233
South	New ES	289
Wilkins	Dawe	143
Wilkins	Gibbons	137
Wilkins	Hansen	20

ES Zone 2022-23	ES Option 2	Total 2022-23 K-5th Live-In Students
Dawe	Dawe	167
Dawe	South	186
Gibbons	Gibbons	283
Gibbons	South	63
Hansen	Gibbons	32
Hansen	Hansen	233
South	New ES	289
Wilkins	Dawe	193
Wilkins	Gibbons	32
Wilkins	Hansen	38
Wilkins	South	37

ES Zone 2022-23	ES Option 3	Total 2022-23 K-5th Live-In Students
Dawe	Dawe	231
Dawe	South	122
Gibbons	Gibbons	162
Gibbons	South	184
Hansen	Gibbons	32
Hansen	Hansen	233
South	New ES	289
Wilkins	Dawe	132
Wilkins	Gibbons	148
Wilkins	Hansen	20

ES Zone 2022-23	ES Option 4	Total 2022-23 K-5th Live-In Students
Dawe	Dawe	192
Dawe	South	161
Gibbons	Gibbons	283
Gibbons	South	63
Hansen	Gibbons	32
Hansen	Hansen	233
South	New ES	289
Wilkins	Dawe	218
Wilkins	Gibbons	32
Wilkins	Hansen	38
Wilkins	South	12









ELEMENTARY SCHOOL Free & Reduced Meals Analysis

	2022-23 Enrolled Free and Reduced Meals					
School Name	Free Reduced Paid					
Dawe ES	38%	2%	60%			
Gibbons ES	38%	4%	58%			
Hansen ES	40%	2%	58%			
South ES	29%	3%	68%			
Wilkins ES	59%	1%	40%			
Total	41%	2%	57%			



	Free and R	educed Mea	ls Option 1	Free and R	educed Meal	ls Option 2
School Name	Free	Reduced	Paid	Free	Reduced	Paid
Dawe ES	43%	1%	56%	44%	1%	55%
Gibbons ES	52%	3%	45%	34%	3%	62%
Hansen ES	45%	1%	53%	49%	1%	49%
New ES	31%	3%	66%	39%	3%	58%
Wilkins ES						
Total	41%	2%	57%	41%	2%	57%

	Free and R	educed Meal	ls Option 3	Free and R	educed Meal	s Option 4
School Name	Free	Reduced	Paid	Free	Reduced	Paid
Dawe ES	43%	1%	56%	45%	1%	54%
Gibbons ES	52%	3%	45%	34%	3%	62%
Hansen ES	45%	1%	53%	49%	1%	49%
New ES	31%	3%	66%	37%	3%	60%
Wilkins ES						
Total	41%	2%	57%	41%	2%	57%

Cropper GIS





ELEMENTARY SCHOOL Demographics Statistics

	2022-23 Enrolled Race/Ethnicity							
School Name	Black/African American	White	Hispanic	Other				
Dawe ES	23%	51%	18%	9%				
Gibbons ES	21%	52%	17%	10%				
Hansen ES	19%	51%	16%	15%				
South ES	18%	50%	12%	20%				
Wilkins ES	19%	47%	24%	11%				
Total	20%	50%	17%	13%				



	Race/Ethnicity Option 1				Race	e/Ethnicity	Option 2	
School Name	Black/African American	White	Hispanic	Other	Black/African American	White	Hispanic	Other
Dawe ES	23%	48%	18%	11%	19%	48%	20%	12%
Gibbons ES	17%	49%	22%	11%	16%	58%	16%	10%
Hansen ES	20%	48%	18%	14%	25%	42%	17%	15%
New ES	19%	53%	14%	14%	20%	50%	16%	13%
Wilkins ES								
Total	20%	50%	17%	13%	20%	50%	17%	13%

	Race/Ethnicity Option 3				Race	e/Ethnicity	Option 4	
School Name	Black/African American	White	Hispanic	Other	Black/African American	White	Hispanic	Other
Dawe ES	23%	48%	18%	11%	19%	48%	21%	12%
Gibbons ES	17%	50%	23%	11%	16%	58%	16%	10%
Hansen ES	20%	48%	18%	14%	25%	42%	17%	15%
New ES	19%	53%	14%	14%	21%	50%	15%	14%
Wilkins ES								
Total	20%	50%	17%	13%	20%	50%	17%	13%





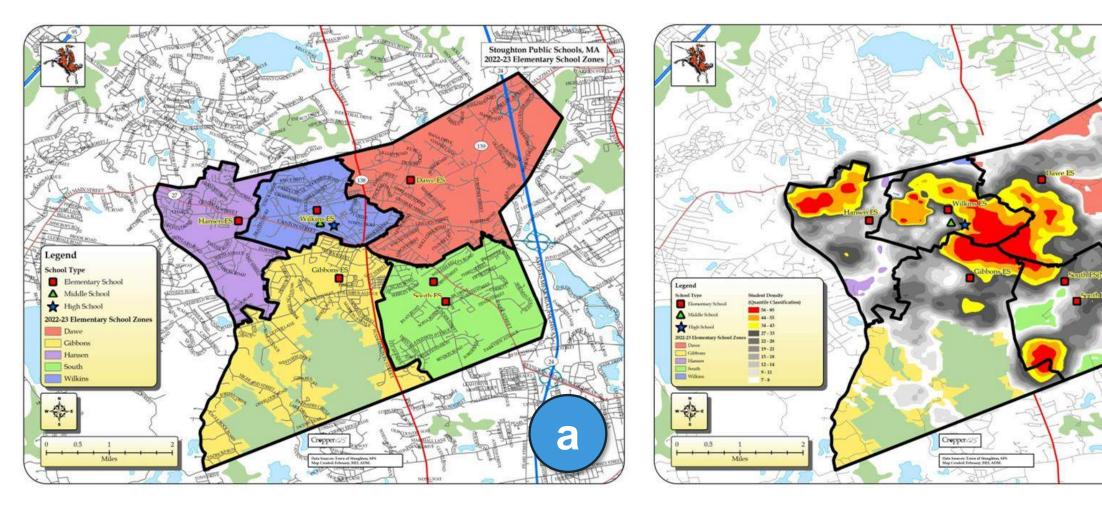




Stoughton Public Schools, M.

2022-23 ES Zones

Student Density





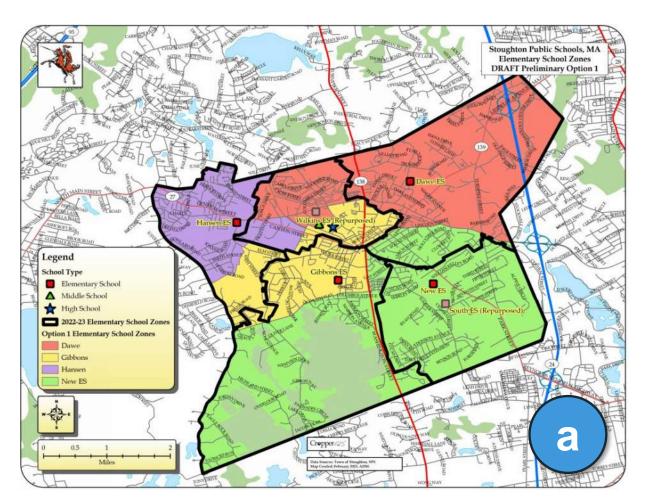
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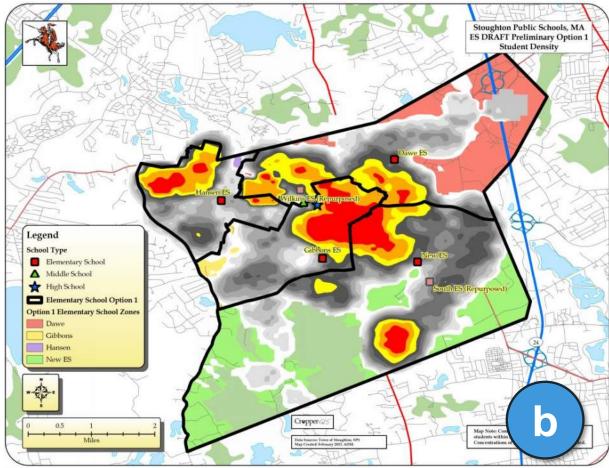
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Map Note: O students with



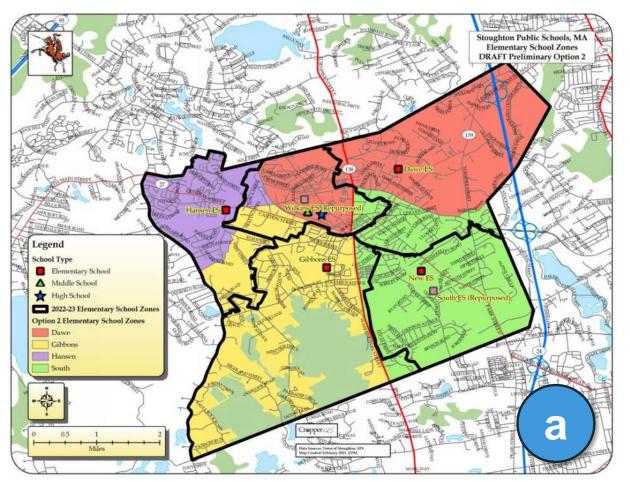


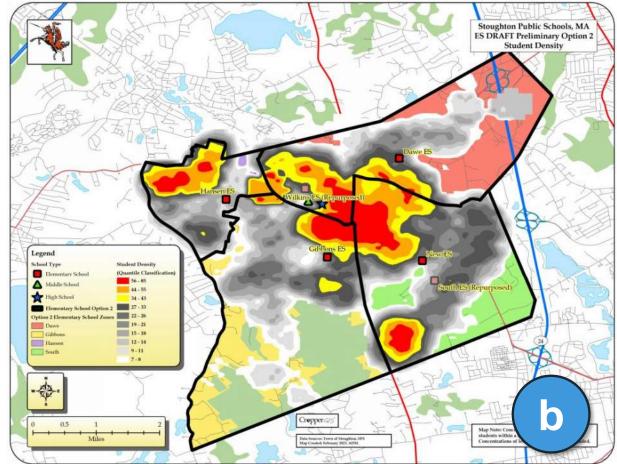








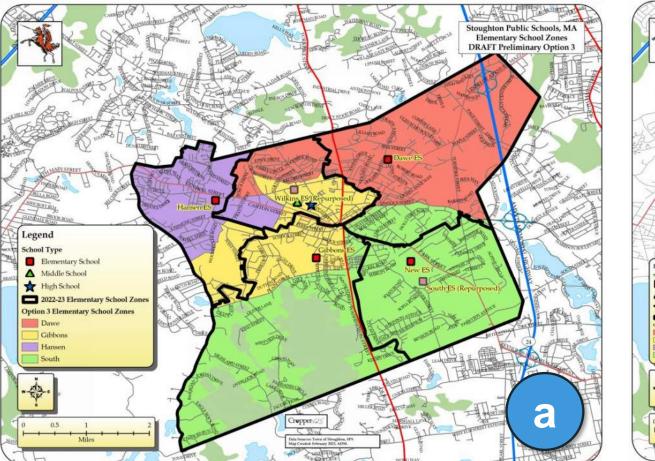


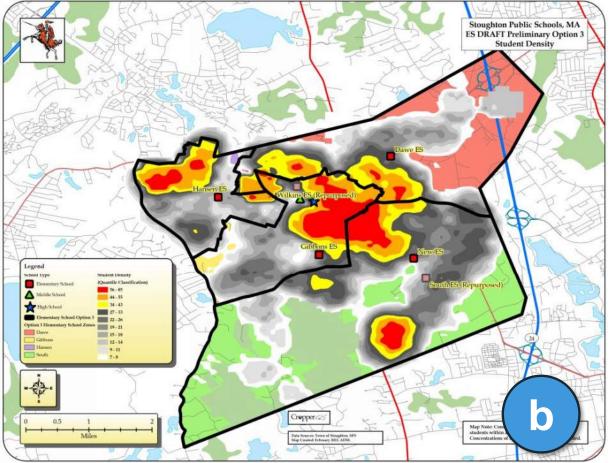








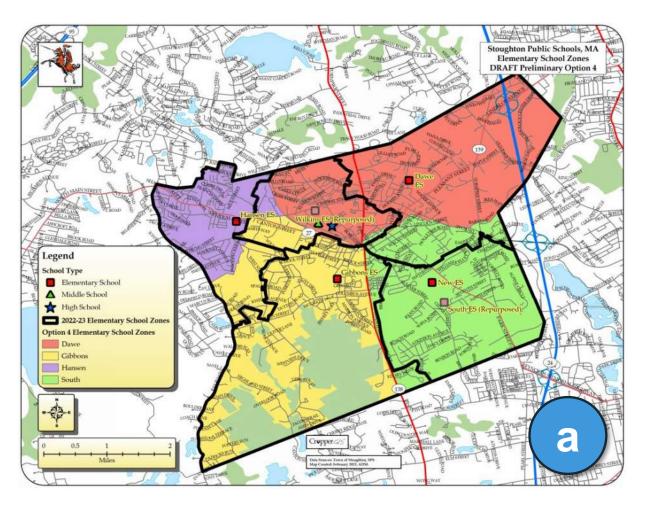


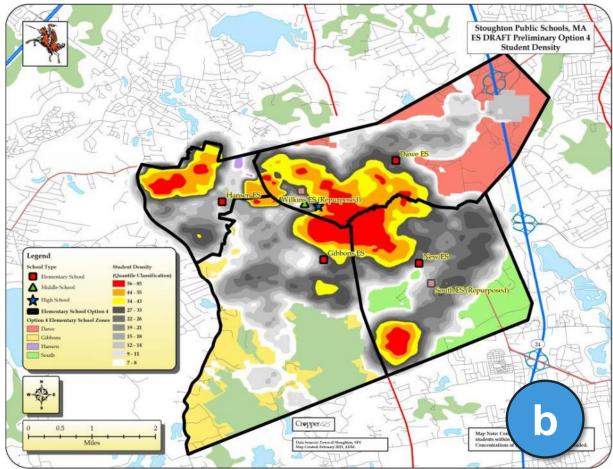






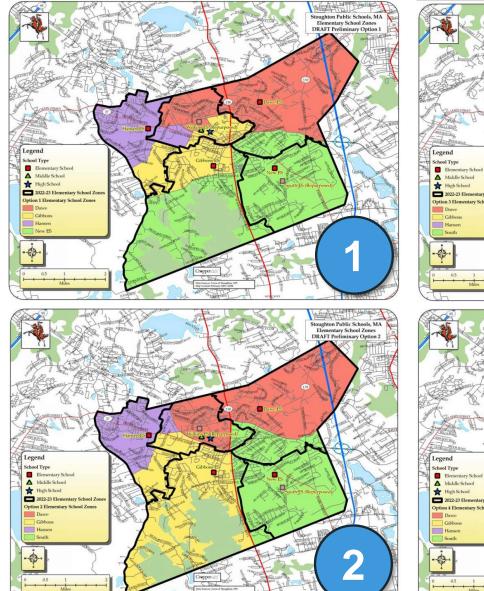


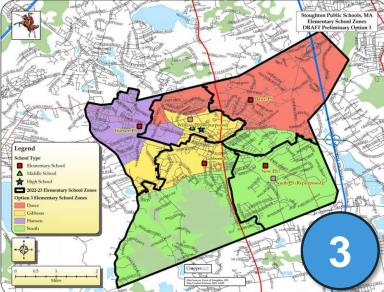












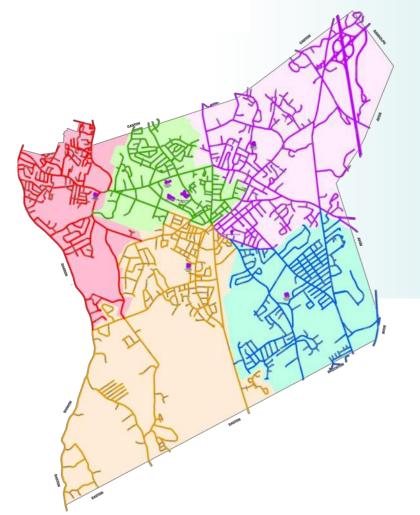
DRAFT PRELIMINARY OPTIONS







Consolidation Considerations

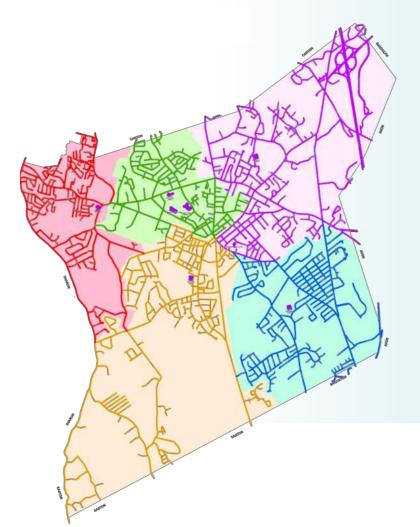


- Operational Considerations District Level
- Educational Considerations School Level
- Project Impacts





District Educational Considerations

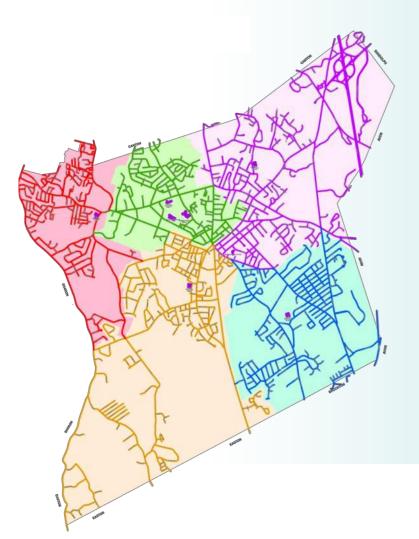


- Flexibility with population 'bubbles'
- Greater access to special education programs
- Small School (replacement) vs. Larger School (consolidated)
- Size of Assembly Spaces After School Programming
- Impacts to New Elementary School Students
- Impacts to Other Schools (Dawe-Gibbons-Hansen)





District Operational Considerations

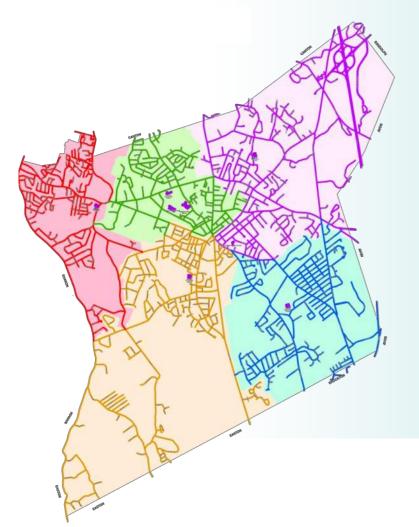


- Maintenance/Operating Costs
- Travel between schools
- Shared Resources
- Reduced cost of multiple Resources





District Community Considerations



- Reduced construction 'cost per student' for a new building
- State Reimbursement \$\$ available to impact a greater number of students
- Community Amenities

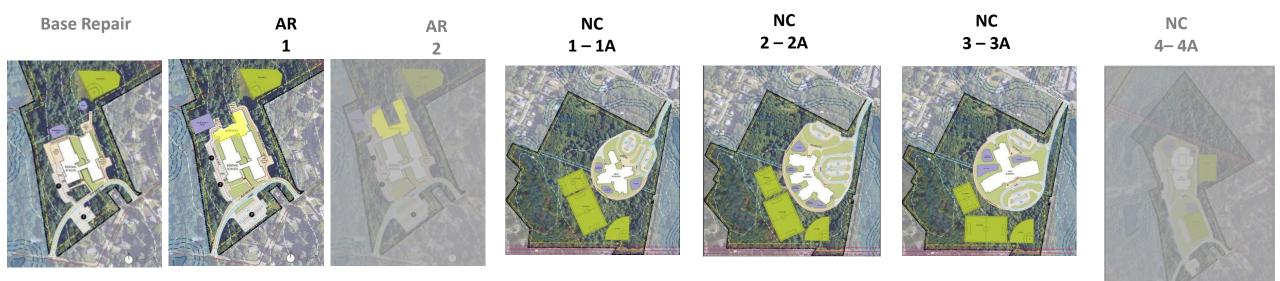
EVALUATION CRITERIA | school building committee



- Ed Plan Accommodation Compliance w/ Vision
- Disruption Impact on Students
- Project Cost Reimbursable Cost Temporary Costs Long-term Value
- Learning Commons as Heart of School
- Separation of Age Groups Scale
- Learning Neighborhoods Flexibility of Space
- Community Use / Expansion
- Potential Operating Costs Maintenance
- Site Access Safety, Site Security & Traffic Flow Separation of Adults from Students
- Circulation Final Site layout Use of Exterior Space Site amenities
- Impact to Abutters Civic Image / Aesthetics 'Street Appeal'
- Construction Duration PHASING

OPTIONS| overview









plans

Site

The New Elementary School Project



REPLACEMENT Project Area: 12 acres





'the pinwheel'

NC 2 – 2A

REPLACEMENT & CONSOLIDATION (both enrollments)

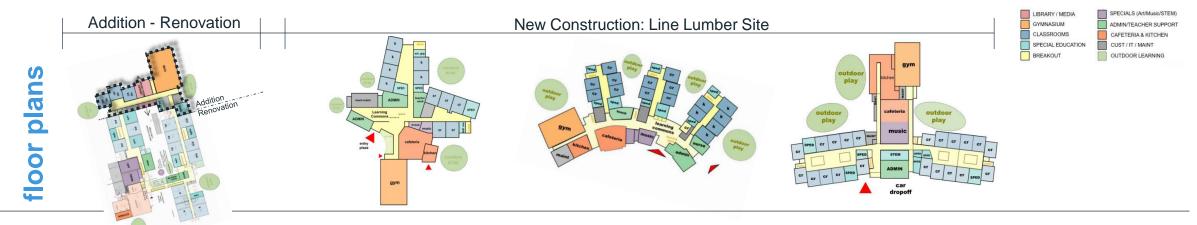
Project Area: 27 acres

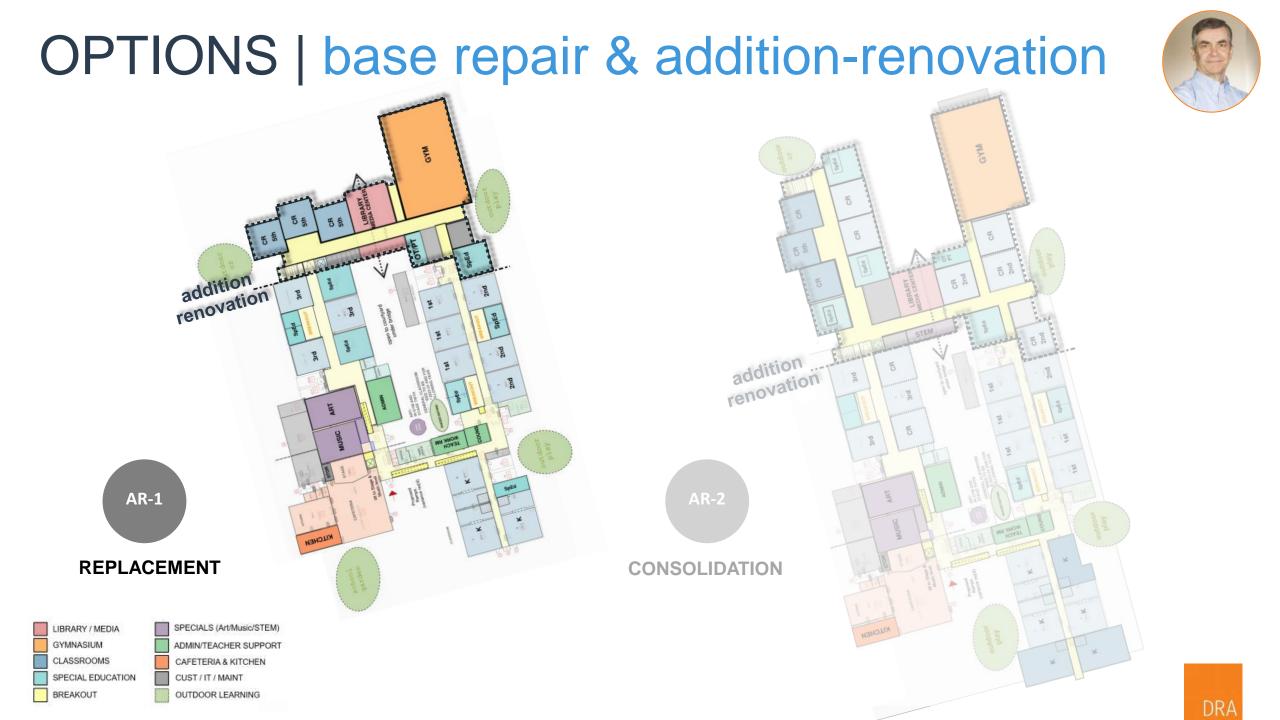
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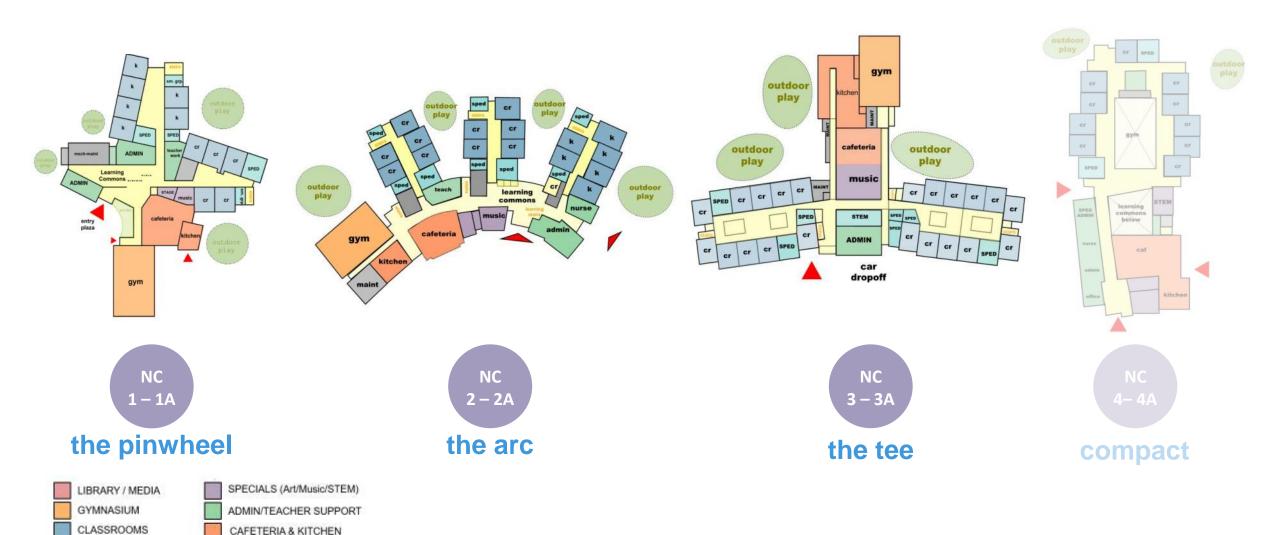
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program key





OPTIONS | new construction



SPECIAL EDUCATION

BREAKOUT

CUST / IT / MAINT

OUTDOOR LEARNING

MA | recent elementary school sizes

- Data gathered from MSBA since 2019
- Minimum school size: 315 students
- Average School Size: 630 students
- Maximum school size: 1000 students

SOURCE: MSBA website; Board meetings, 2019 -2022. All Elementary school projects with approved Project Scope & Budget Agreements.



Proposed New Stoughton Elementary School Consolidation Option: **515 student** design enrollment 600+/- student capacity



District	School	Enrollment	Note	
Brookline	Pierce	725		
Winchester	Lynch	520		
Amherst	Ft River	575	consolidation	
Maynard	Green	395		1
Hingham	Foster	605		
Lawrence	Leahy	1000		
Medfield	Dale	575		
Peabody	Welch	390	A/R	
Randolph	Lyons	315		- 2
Westfield	Franklin	395		
Wellesley	Hardy	365	consolidation	
Fitchburg	Crocker	845	consolidation	
Swampscott	Hadley	900	consolidation	
Andover	West	925	a a wa a li da Ca w	
Westwood	Hanlon	560	consolidation	
Groton	Roche	645		
Ashland	Mindess	635	e e ne e l'alette n	
Gloucester	East	440	consolidation	
Springfield Acton-Box	Deberry	800	consolidation	1
	Douglas Center	990 760	consolidation	
Easton Rockland	Jefferson	760 760	consolidation consolidation	
		760 425	consolidation	
Amesbury B-R	Amesbury Mitchell	740		
Gardner	Waterford	925	consolidation	2
Millbury	Shaw	5 50	consolidation	
W. Springfield	Coburn	585		
Marblehead	Gerry	450	consolidation	
Tewksbury	Trahan	790	consolidation	
Westboro	Fales	400	consolidation	
VV 6310010	1 0103	400		
Average		630	students	
Median		595	students	
	and the second se			

DRA

Sustainability Goals – PSR Decisions LEED or NECHPS (MACHPS)

For an additional reimbursement of 2% of the Estimated Basis of Total Facilities Grant, and in addition to the minimum requirements described above, projects must exceed the level of energy efficiency required in the current Massachusetts (base) energy code by 20%, using the LEED-S EA "Optimize Energy Performance" credit submittal or the NE-CHPS "Energy Efficiency" credit submittal to demonstrate that performance.

penn brook elementary | k-6 school

sustainable strategies

student gardens

located with access to kitchen to allow student food production to be integrated into the menu A cistern collects rainwater from the cafeteria roof for watering the gardens

photovoltaics

system reduces overall building demand on local utility company



White roof minimizes heat island effect – minimizing utility bills



rainwater collection collects graywater from roofs for student gardens and student wing toilet rooms

Significantly reduces impervious surfaces on site - minimized stormwater structures required

roof garden

orous paverni.

Insulating, reduces water runoff and heat island effect

solar orientation

allows exposure for classrooms & pv facing south on the cafeteria roof

fresh air sensors

classrooms have wall lights that turn green when outside conditions are optimal for opening windows

focus on wellness

being mindful about material selection

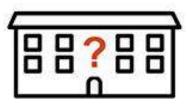
- indoor air quality
- low emitting no VOC materials
- cradle to cradle materials
- low carbon offsets
- red list free materials when possible

Experience with :

- Living Building Challenge
- WELL
- Fitwel
- LEED
- MA CHPS



MA Stretch Code Communities



Which code applies to my project? It depends on where the project is located.

> Under the 10th edition MA Energy Code, each muncipality follows one of three possible codes:



Base Code

Applies in non-Green Communities (~50 MA municipalities)

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IECC 2021 + MA amendments



Stretch Code

Applies in all MA Green Communities (over 300 MA municipalities)

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IECC 2021 + MA amendments + Stretch Code amendments

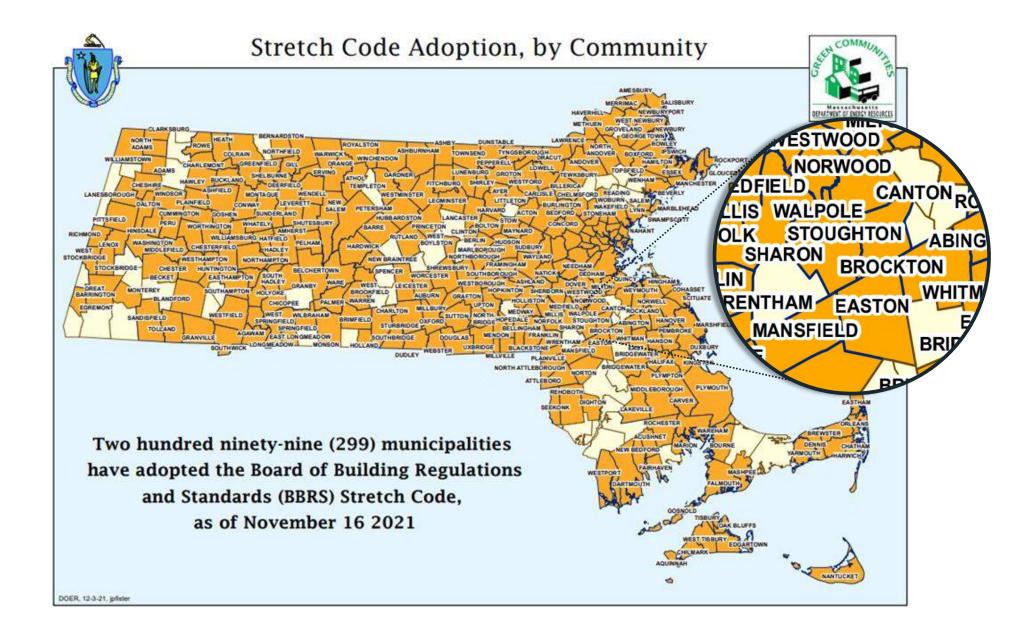


Specialized Code

Municipalities must vote to opt in to the Specialized Code. The code takes effect 6-11 months after adoption.

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IECC 2021 + MA amendments + Stretch Code amendments +Specialized Code appendices



Federal and state standards continue to require increasing levels of energy efficiency with a goal of "Zero Net Energy Buildings" by 2030.



What is a net zero building?

A net zero building is extremely efficient and gets all of its energy from renewable sources, either producing all of its energy onsite or purchasing renewable energy from other sources.

Why net zero buildings?

In Massachusetts and across the United States, the building sector accounts for a big slice of our carbon pollution. By building net zero buildings, we can have a huge impact on reducing our pollution as a state, country, and planet.

The international scientific consensus is that all buildings must be net zero by 2050.

avoid systems that use fossil fuels

consider the application of geothermal and/or air source heat pumps

apply energy recovery units

fully utilize CO2 based **demand control** ventilation strategies

utilize heat pump domestic water heaters

apply solar domestic hot water heaters

LED lighting current design is 0.4 Watts/Sq. Ft.

G

efficiency & sustainability





37.7% cost savings

- Constructed in 2021
- LEED-S v4 Gold

40%+ indoor water savings, native vegetation, bicycle storage, rooftop outdoor classroom, low emitting and sustainable materials, full-cutoff lighting, daylighting and views

38.5% cost savings

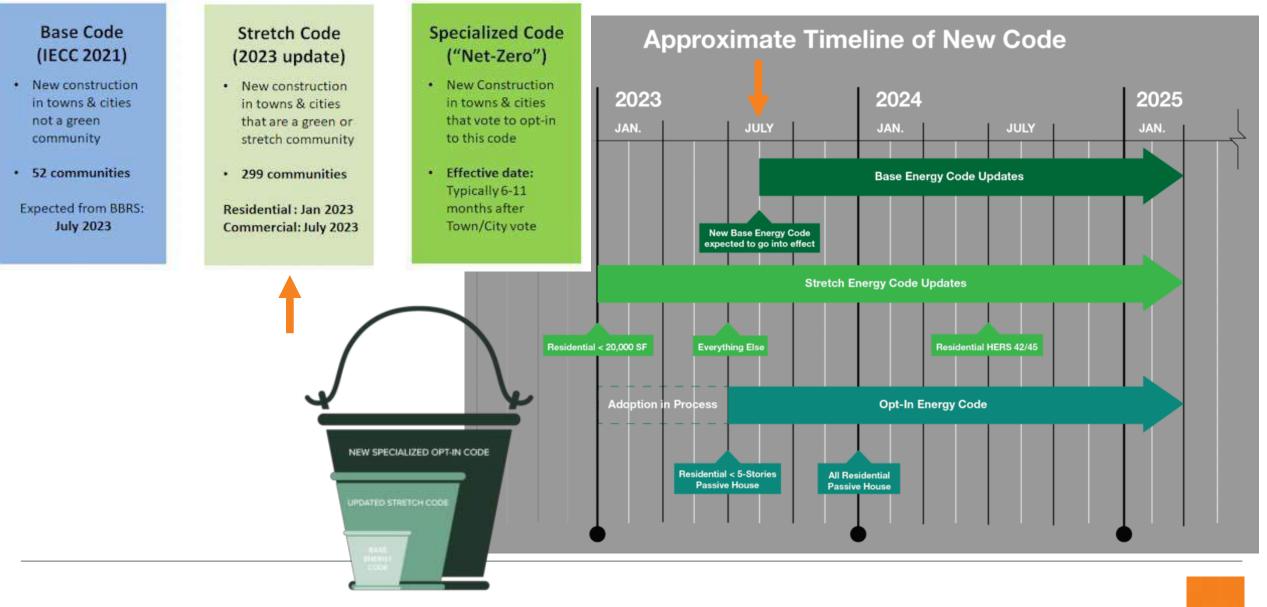
- Constructed in 2016
- LEED-S v3 Silver

Rooftop patio classroom showcasing white and green roof and weather stations, bioswale, low emitting materials, regional materials with high recycled content, lighting control, daylighting and views





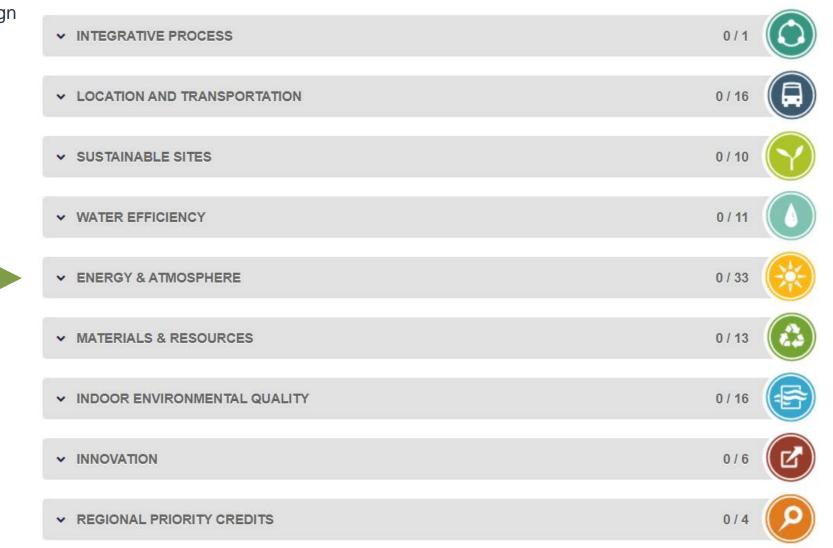
Timeline for Code Changes

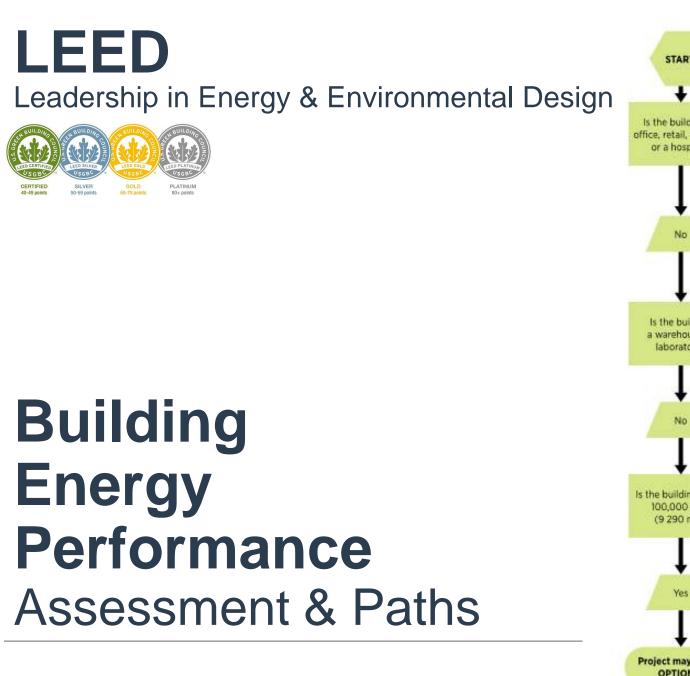


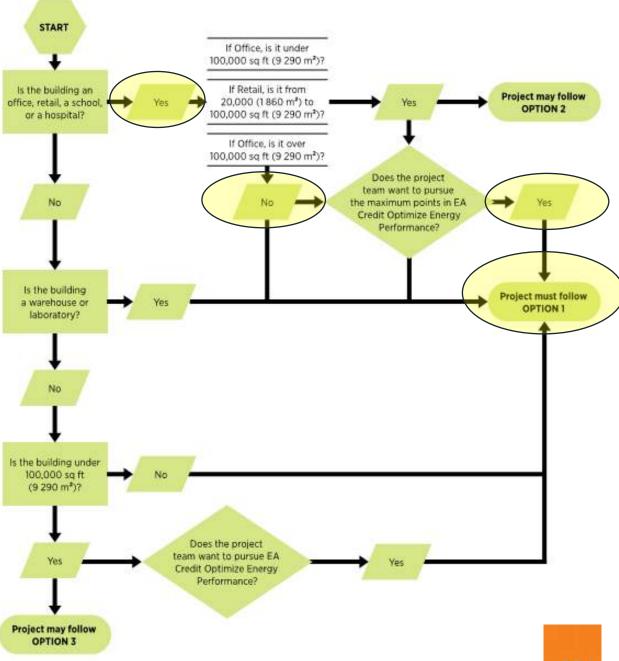
LEED

Leadership in Energy & Environmental Design









LEED

Leadership in Energy & Environmental Design



MA-CHPS

Massachusetts Collaborative for High Performance Schools



Using LEED-S, for no additional reimbursement, achieve a minimum of "Certified," including a minimum total of three points (from seven points available) from the following three categories: MR Building Product Disclosure and Optimization - Material Ingredients IEQ - Low Emitting Materials IEQ – Indoor Air Quality Assessment OR;

Using NE-CHPS, for no additional reimbursement, achieve a minimum of "Verified", including a minimum total of five points (from ten points available) from the following four categories:

□ EQ 5.1.3 Indoor Air Quality Management – Building Flush Out

□ EQ 7.0 Low Emitting Materials

 EQ 7.1 Additional Low Emitting Materials
 MW 10.1 Health Product Information Reporting AND; Exceed the level of energy efficiency required in the current Massachusetts (base) energy code by 10%, using the LEED-S EA "Optimize Energy Performance" credit submittal or the NE-CHPS "Energy Efficiency" credit submittal to demonstrate that performance.



End of Presentation Thank You

