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Presented by:
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Member, Minuteman School Committee

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A REVOLUTION IN LEARNING

Minuteman High School Building Project

Giving Students a Competitive Advantage in Today's Global Economy

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Our Minuteman High School

- Established in 1970 as a Career and Technical High School to serve member towns
- Rigorous academic courses coupled with high-quality, industry-supported career and technical education
- This powerful combination gives graduates **a competitive advantage in the new global economy**

Our Minuteman High School

- Students have a full range of academic courses: foreign languages, math, science, English, social studies, AP, and other traditional high school offerings.
- Students access athletics, extracurricular activities, and co-op work opportunities.
- Students must pass the MCAS exam.

A Vision for Our Future

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Features of This Project

- 628 Student Design Enrollment
- 257,745 Square Feet - Total Building Gross Floor Area
- $144,922,480 Total Project Budget

Features of This Project

- 44.75% Reimbursement of Eligible Costs
  - Eligible Costs defined in 963 CMR 2.16 Audit Procedures MSBA School Building Grant Program
- 30% Effective Reimbursement
- $44.1 Million Dollar Estimated Reimbursement
- LEED Silver Certification

Project Goals

- Implement a research based, data driven Academy
- Protect accreditation by addressing multiple outdated building code and access issues
- Provide a facility that motivates students to find their passion and purpose

Project Goals

- Intensify CVTE programming within an innovative educational plan

- Create a *campus* that is attractive, compelling and affordable

Why Enrollment Will Increase

- Applications are up 15% from member towns
- Increasing elementary school enrollment in member towns
- Increasing interest in Career and Technical Education confirmed by District Guidance staff
- DAPA Research Poll shows support
- Return on Investment of CVTE becoming clear

A Vision for Our Future

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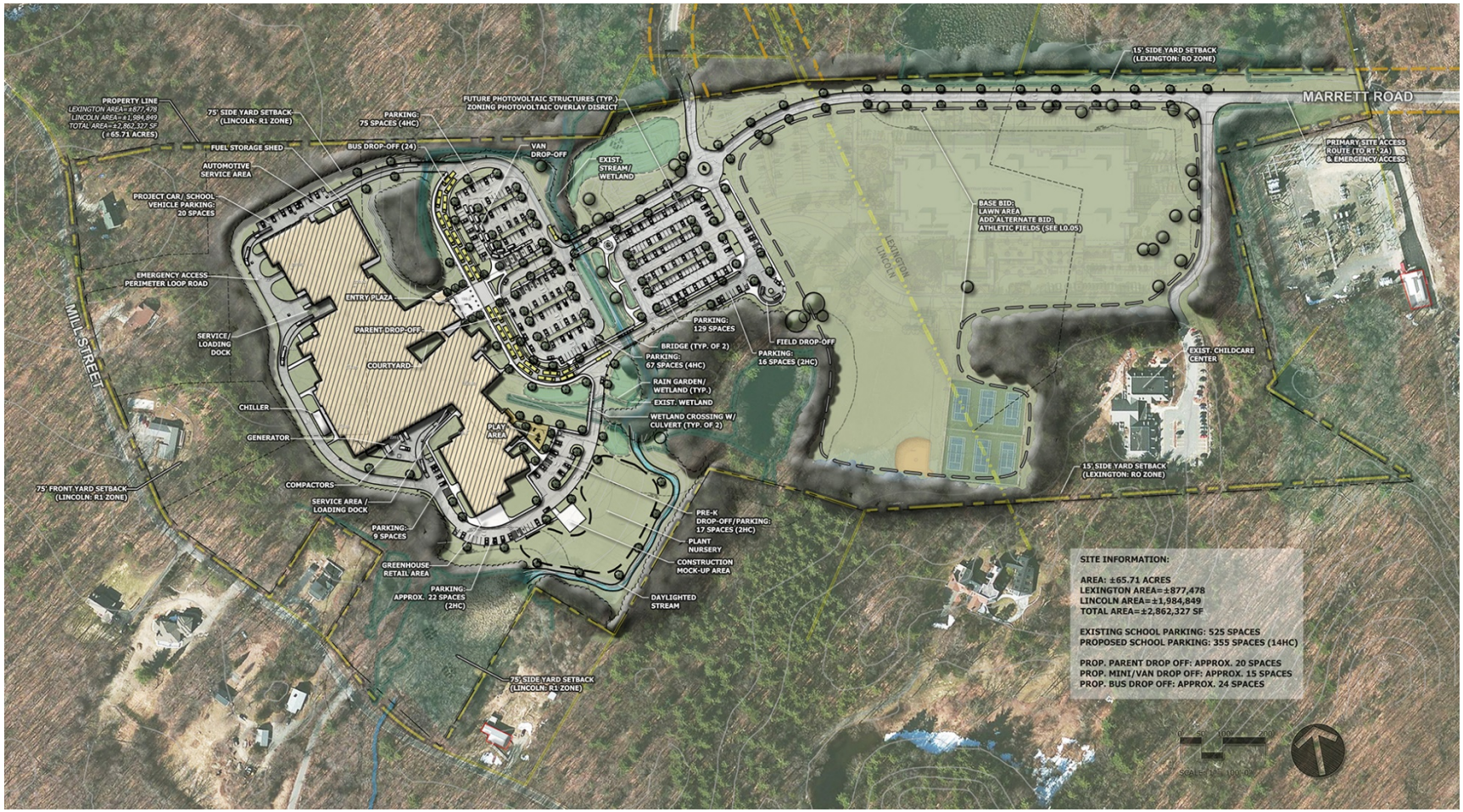
The NEW Minuteman Campus



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Engineering, Construction & Trades Academy	Shared Services & Programs		Life Sciences & Services Academy
Advanced Manufacturing & Metal Fabrication 48.0501 / 48.0599 Automotive 47.0604 Carpentry 46.0201 Design & Visual Communications 50.0401 Electrical 46.0302 Multi-Media Engineering 09.0701 Plumbing & HVAC 46.0603 / 47.0201 Programming & Web Development 11.0201 Robotics Engineering Automation 15.0000 / 15.0403	Nursing & Wellness Services Library & Media Center Special Education		Culinary Arts & Hospitality 12.0500 / 52.0901 Cosmetology 12.0404 Early Education & Care 13.1210 Health Occupations 51.0000 Environmental Science 15.0507 Biotechnology 15.0401 Horticulture & Landscaping Tech 1.0601
	Common Planning Time		
	Academic Programs		
	Chemistry Science Physics English Language Arts Mathematics Physical Education	Humanities Art & Music Guidance Counseling Career Development Advanced Placement	
	Common CVTE Competencies		
	Health & Safety Entrepreneurship Financial Literacy	Digital Literacy Career Guidance Work based Learning Internships & Coop	
	Reading Consultancy Student Portfolios Executive Purpose Project Based Learning		

Supporting Innovation and Learning

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Academy Design Considerations

- Similar Curricula Contiguous
- Resources Shared
- Collaborative Applied Learning Spaces

Academy Design Considerations

- Support Workforce Education Priorities
- “Real World” Project-Based Learning
- Enhance Support for ALL Students

Modern Technical Labs

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Meeting all Industry Standards

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Professional Services Provided

Contemporary State of the Art

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Natural Light in all Classrooms

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Collaborative & Project Based

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Student Managed Restaurant and Public Meeting Spaces

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Giving Students Their Space

The Cost of Doing Nothing

- We will lose up to $44.1 million in state funds.
- We lose millions of dollars in capital fees from non-member towns.
- Our school's accreditation could be lost.

The Cost of Doing Nothing

- Uncertainty will hurt enrollment, driving up per pupil costs to member communities.
- We will still need to spend $106 million in repairs triggered by existing code dependent thresholds.
- We will make these repairs without state dollars.

New Construction	Non MSBA Renovation
30.46% MSBA net reimbursement	100% cost to District
$100 Million Net Cost Offset by a Capital Fee	$106 Million Gross Cost with NO Capital Fee
2.5 years of new construction	Up to 10 years of construction
No displacement of students	Continual disruption and displacement
A not-to-exceed cost	Unknown costs and uncertain timeline
Right-sized new building	Building too large and not adaptable

New Construction	Non MSBA Renovation
Controlled operating costs resulting from a smaller, more efficient building	Uncertain (higher?) operating costs in a renovated building constructed in the 1970s
Attract NEW member towns	Less attractive to potential new members
New programs in modern building	Building not designed for Academies
Certainty for students, parents and member towns	Uncertainty

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High Quality Career and Technical Vocational High Schools

- These are larger than a traditional high school.
- Vocational technical high schools require more complex and distinctive learning spaces.

High Quality Career and Technical Vocational High Schools

- Square footage must include all regular High School spaces PLUS Chapter 74 Career and Technical Education shop areas.

- Cost per SQ FT is higher and this project is comparable.

Project Costs are in Line with Other New Vocational Technical Schools

COMPLETION DATE	TOTAL COST	$/SQ FT*
Worcester Vocational Technical High School	$90,000,000	**$705.00**
February 2006		
Putnam (Springfield) Voc-Tech High School	$124,000,000	**$567.00**
July 2012		
Essex Agricultural and Technical High School	$134,501,368	**$477.00**
June 2014		
Minuteman Regional Voc-Tech High School	$144,922,480	**$562.00**
Spring 2020		
		*** Today's Dollars**

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New School: Costs and Tax Impacts

- Total project: will not exceed $144.9 million
- State share: 44.75% of eligible costs
- “Net” state reimbursement: 30.46%
- State reimbursement: Up to $44.1 million
- Annual tax impact on median homeowner: $17.50 to $116.93

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Estimated Tax Impact for Lexington

Projected Annual Debt Assessment

$665,537

Estimated Tax Impact on the Median Homeowner

$36.84

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Next Steps

- July 2016: Appoint a “Construction Manager at Risk” to prepare construction documents, and put the project out to bid.
- August 2017: Start construction. (Minuteman students stay in the existing building while the new school is under construction.)
- September 2020: Open new school to students.

Why We Need to Act

- Build a modern facility that meets current building codes and access requirements
- Create an innovative Career Academy model to enhance student learning and meet changing labor market needs
- Preserve a $44 million construction grant from the MSBA
- Protect the school's accreditation

Our Future

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Invest in Our Students' Future

"These schools are a pathway to a brighter future. The skills they teach are widely in demand, and many of them are already well plugged into the job creators in their communities.

In an age when too many people are struggling to find work that pays well, these schools have so much to offer, and we should help them make that happen."

Massachusetts Governor Charlie Baker
State of the Commonwealth, January 21, 2016

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