

COMMUNITY CENTERED

Methacton School District

November 9, 2023

TOWN HALL Superintendent

Dr. David Zerbe



Agenda

- Program Update
- Strategic Plan
- School Spirit
- Facilities and MHSCPC
- Staffing/Substitutes
- Introducing "The Update" with Dr. Zerbe



Creating Opportunities

- Windy Hill Hydroponics Farm
- Unified Sports
- Junior Achievement Collaboration
- IncubatorEDU Program (Shark Tank)
- STEM (FAB LAB) in development
- E-Sports (in development)





- Increase capacity and number of student visits (eliminate center projection)
- Increase the ease of co-curricular lesson capabilities and ease of use with classroom teachers
- Update & Future-Proof Aging Technology, Hardware, and Facilities
 - **Computer/Projection** (installed 2013-Higher Resolution)
 - Light system (installed 2013)
 - **Seating** (Original post and arrangement from 1974)
 - **Dome** (Original 1974 -New has more maintenance options)



"The Planetarium is a laboratory, **NOT** to produce astronomers for the world, but to produce people who are aware of the world around us." - *Dr. Gerald Mallon*





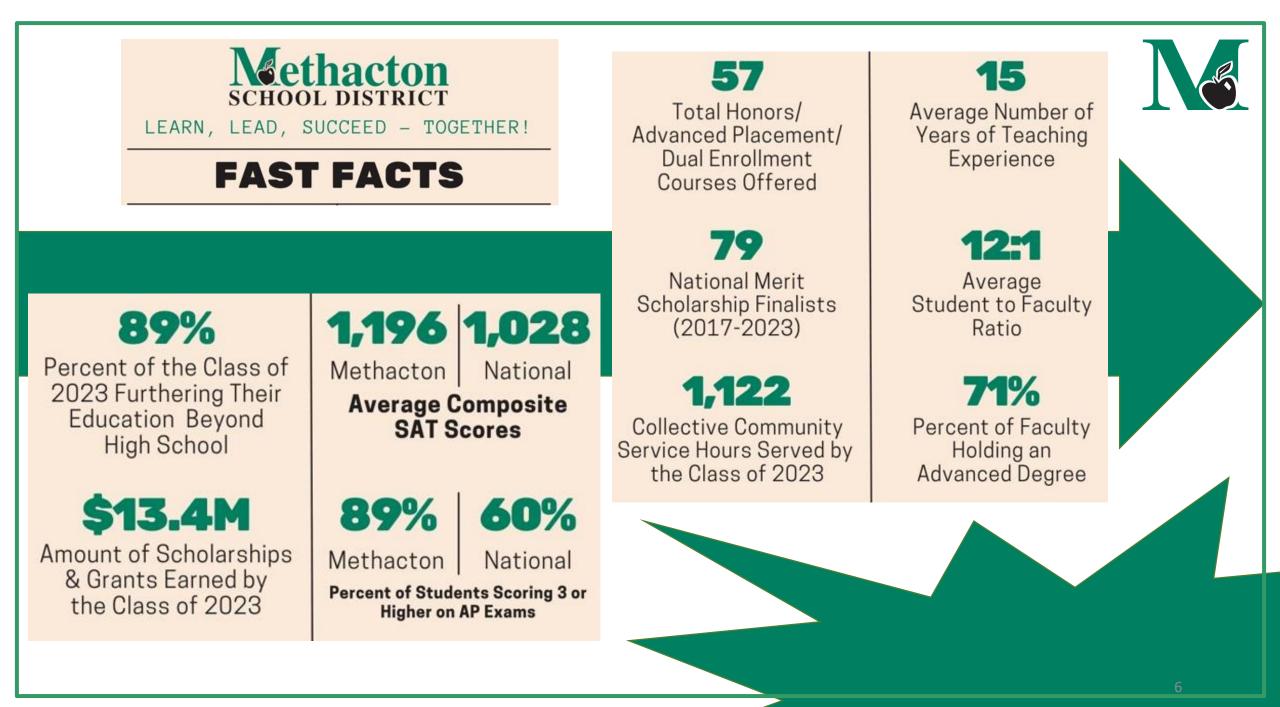
November 30, 2023 4001-A Eagleville Road Eagleville, PA 19403

School DISTRICT



THE HORIZON PROJECT Expanding Our Learning Laboratory Malion Planetarium e Arcola

Schedule of Events 6:00pm - 6:15pm: Ribbon Cutting 6:15pm - 7:00pm: Public Walk-through 6:15pm – 8:15pm: "Space"-Themed Activities 7:00pm – 8:15pm: Planetarium Shows



Rank								
<u>RANKINGS</u>	2020	2021	2022	2023	2024			
US News & World Report	65	56	62	49	expected to be released in Aug/Sept 2024			
Niche	59	74	67	51	50			
School Digger	53	50	87	expected to be released in November 2023	expected to be released in November 2024			

US News = 49 out of 665 - top 7% Niche = 50 out of 496 - top 10%



Us News and World Report

- 49 / 665 ranked public high schools in Pa
 - Methacton High School is in top 7% in State
- 1,392 / 17,680 nationally ranked schools
 - Methacton High School is in top 8% in country

Ivy League Acceptances

	2018	2019	2020	2021	2022	2023
Brown University	\bigcirc	\bigcirc			\bigcirc	
Columbia University		\bigcirc		\bigcirc		
Cornell University		\bigcirc	\bigcirc	\bigcirc		\bigcirc
Dartmouth University	\bigcirc	\bigcirc				
Harvard University	\bigcirc					\bigcirc
Princeton University		\bigcirc		\bigcirc		
University of Pennsylvania	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	
Yale University		\bigcirc		\bigcirc	\bigcirc	

College/University Acceptances

Alvernia University Automotive Training Center-Exton Bard College Beacon College Binghamton University Bloomsburg University of Pennsylvania Bond University Bridgewater College Brown University Cabrini University Chapman University Christopher Newport University Coastal Carolina University College of Charleston College of the Atlantic College of the Holy Cross Cornell University Culinary Institute of America Delaware Valley University DeSales University **Dickinson College** Drexel University Duke University Duquesne University East Carolina University East Stroudsburg University of Pennsylvania Eastern Michigan University Eastman School of Music of the University of Rochester Elon University Embry-Riddle Aeronautical University-Prescott Emory University Fairleigh Dickinson University-Metropolitan Campus Fashion Institute of Technology Florida State University Franklin and Marshall College Full Sail University George Washington University Georgetown University Georgia Institute of Technology-Main Campus Georgian Court University Gettysburg College Grove City College Gwynedd Mercy University Harrisburg University of Science and Technology Harvard University

High Point University Immaculata University Indiana University of Pennsylvania-Main Campus James Madison University Juniata College Kean University King's College Kutztown University of Pennsylvania La Salle University Lafayette College Lehigh University Liberty University Lock Haven University Loyola University Maryland Lynn University Manhattan College McGill University Michigan State University Millersville University of Pennsylvania Misericordia University Montgomery County Community College Muhlenberg College Neumann University New York University Northeastern University Ohio State University-Main Campus Old Dominion University Pennsylvania Academy of the Fine Arts Pennsylvania College of Technology Pennsylvania State University-Penn State Altoona Pennsylvania State University-Penn State Berks Pennsylvania State University-Penn State Main Campus Pennsylvania State University-Penn State Schuylkill Robert Morris University Rochester Institute of Technology Sacred Heart University Saint Joseph's University Salisbury University Shenandoah University Shippensburg University of Pennsylvania St. Lawrence University Stockton University Suffolk University Susquehanna University Syracuse University Temple University

The College of New Jersey The New School The University of Alabama The University of Tennessee-Knoxville Thomas Jefferson University Towson University Tyler School of Art, Temple University United States Military Academy Universal Technical Institute University of Cincinnati-Main Campus University of Colorado Boulder University of Dayton University of Delaware University of Illinois at Urbana-Champaign University of Maryland-College Park University of Miami University of North Carolina Wilmington University of Pennsylvania University of Pittsburgh-Pittsburgh Campus University of Richmond University of Scranton University of Scranton University of South Carolina-Columbia University of South Florida-Main Campus University of Utah University of Virginia-Main Campus Ursinus College Virginia Polytechnic Institute and State University Washington & Jefferson College Washington College Widener University Wilmington University Wofford College Xavier University Yale University



STRATEGIC PLAN (progress)

NAME -	PROGRESS	DONE	DUE
STEM ACADEMY LIST 1 METHACTON STRATEGIC PLAN	8/23	8	0
SAFETY/FACILITIES/INFRASTRUCTURE LIST 1 METHACTON STRATEGIC PLAN	20/70	20	0
PUPIL SERVICES LIST 1 METHACTON STRATEGIC PLAN	27/70	27	1
GROWTH/ACHIEVEMENT LIST 1 METHACTON STRATEGIC PLAN	37/125	37	0
FINANCE AND HUMAN RESOURCES LIST 1 METHACTON STRATEGIC PLAN	33/57	33	0
EXPERIENCE LIST 1 METHACTON STRATEGIC PLAN	39/77	39	1
COMMUNICATIONS LIST 1 METHACTON STRATEGIC PLAN	12/37	12	1
ATHLETICS & ACTIVITIES LIST 1 METHACTON STRATEGIC PLAN	16/55	16	0

STRATEGIC PLAN



- STRATEGY 3F Conduct a K-12 School Counselor Program review to ensure resources, programming and outcomes are effectively and efficiently aligned to best practices in school counseling
- STRATEGY 4F Increase communication with non-parent/guardian district residents ("The Update")

STRATEGIC PLAN



- STRATEGY 51 Develop Premier Program of Athletics and Activities
- STRATEGY 6H Conduct supervision and staffing review of maintenance, custodial, and grounds to determine proper resource supervision and utilization levels necessary to maintain community expectations
- STRATEGY 7B Update 10-year Master Plan and develop associated capital reserve fund strategy
- STRATEGY 8F Increase District students, staff, and community school spirit

Questions



 School spirit is the sense of pride shown by those who feel a strong connection to the school and is in many ways the heartbeat of a school.



• A strong sense of school spirit makes students and staff feel more invested in their school, which makes them happier and motivates them to work harder and help each other.



• **<u>Purpose</u>**: School Spirit sets the stage for student and staff success.

https://www.methacton.org/MSDSpiritShop



Create the visible perspective

- Establish brand
 - Develop imagery, messaging (own the story)
 - Formulate brand guidelines for visible identity
 - Collaborate with branding experts
- Consider physical space
 - Conduct visual audit of spaces
 - Research best practices for physical space
 - Develop consistency across campuses/buildings
- Develop brand ambassadors
 - Consider the People Appearance
 - Messaging- How are they communicating the brand





• Promote the positive

- Evaluate yearly events/activities to assess frequency and purpose across all buildings
- Develop core/traditional activities common to the organization at all levels
- What are the impromptu ways we promote the positive

Reward readily

- Evaluate yearly formal and informal methods/frequency we recognize and reward students, staff, parents.
- Develop core formal and informal methods/frequency of recognition and awards.

• Encourage parental involvement

- Evaluate yearly events used to engage parents across all buildings
- Develop core/traditional activities common to the organization at all levels
- Actively involved parents raise more involved students. Look for more ways for parents to get easily plugged in to school activities.

Community engagement

 Students that are more engaged and connected to their communities can be ambassadors for the school and take their pride off-campus. Encourage students to become involved in community organizations and spread their school pride.

Questions



STAFF/SUBSTITUTE SHORTAGES

- A challenge in both the private and public sector.
- Montgomery County public schools, like schools across the Commonwealth report difficulty finding substitute teachers, certified teachers, custodians, secretaries, teacher aides, bus drivers, and food service workers.

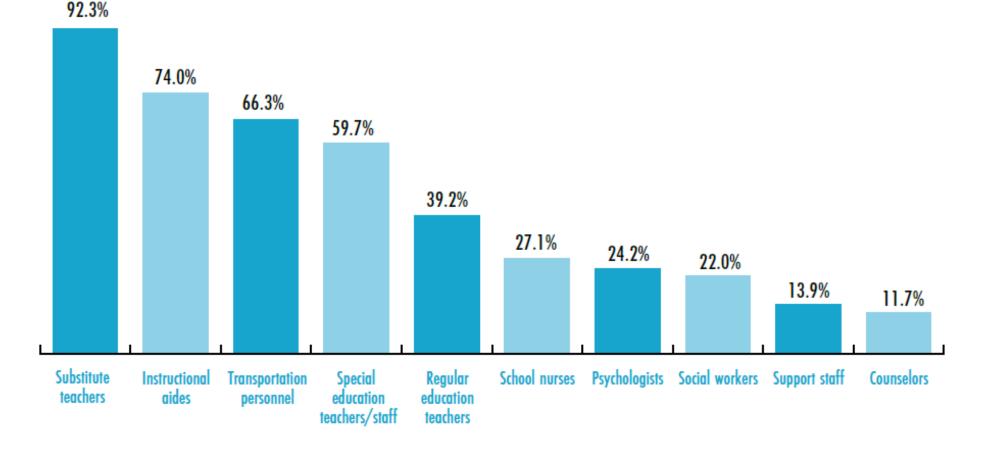


92% of school districts

reported experiencing a shortage of substitute teachers while a significant percentage of districts also reported shortages in instructional aides, drivers and special education staff.

SOURCE: 2023 State of Education report PSBA.org

SOURCE: 2023 State of Education report PSBA.org



Staffing areas in which districts are experiencing a shortage

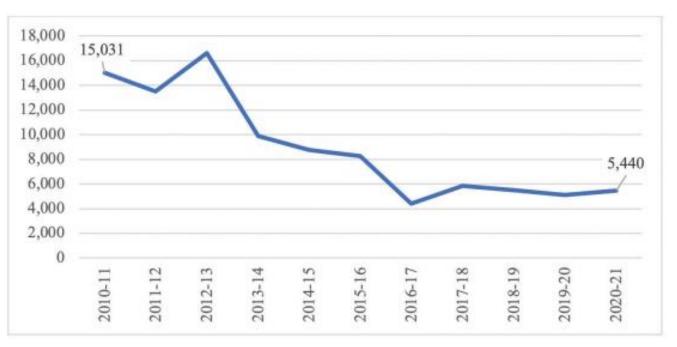
School leaders report experiencing a shortage of professionals across the educational spectrum – both inside and outside of the classroom.

Staffing shortages are widespread



STAFF/SUBSTITUTE SHORTAGES

- Core issue teaching certification decline
 - Teacher certificates issued this past year are at an all-time low of 4,200 down from a high of 16,000 in 2012
- 2 Phase Solution
 - Identify/address root decline of interest in profession/ certification
 - Establish interim or short term response strategies (statewide/locally)



Data source: PDE Act 82 report

STAFF/SUBSTITUTE SHORTAGES

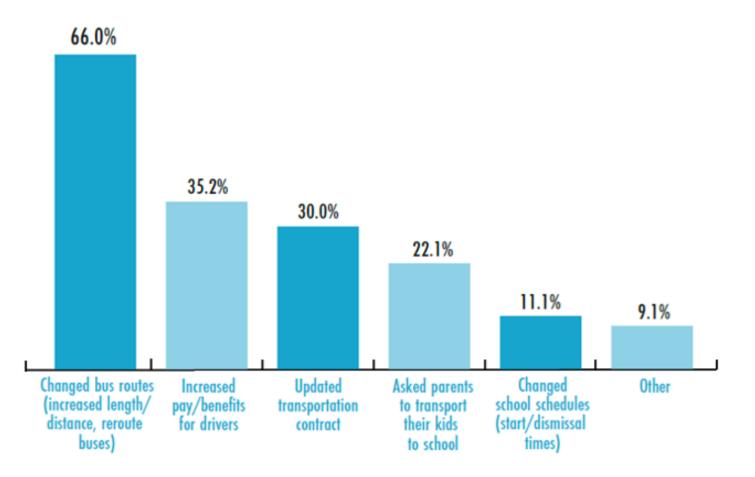


INTERIM / SHORT-TERM REMEDIES (statewide/locally)

- Establish "Tutoring Program" 11th/12th grade students tutor pupils in elm grades
- Establish the Pennsylvania Teacher Loan Forgiveness Program
- Establish a PA Teacher Scholarship Program
- Expand pathways into teaching for youth and paraprofessionals
- Improve the financial value proposition for becoming a teacher, or other necessary school staff
- Improve marketing campaigns to attract young adults
- Reduce regulation
- Ensure local collective bargaining agreements are responsive to supply/demand
- Establish local staff coaching program designed to support staff at all levels
- Expand upon SEL/Culture/School Spirit initiatives
- Fix restrictions or place a pause on the restrictions in PSERS for retirees

BUS DRIVER SHORTAGES

Actions taken due to a shortage of school bus/vehicle drivers



SOURCE: 2023 State of Education report PSBA.org



SCHOOL FACILITIES (Statewide)

Aging school buildings starting to show

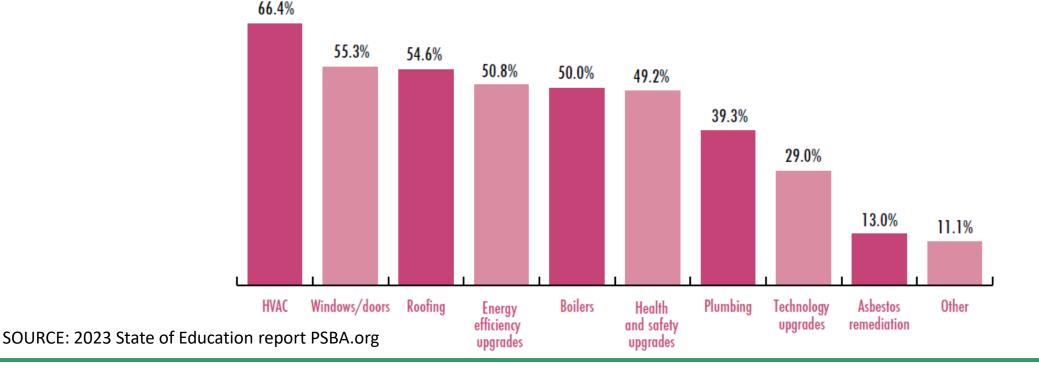
Nearly three-quarters (71.4%) of survey respondents stated that one or more of their school district's buildings were in need of major repair or replacement. Many parents are also starting to notice the deterioration of their children's school buildings, with less than one-third of parents classifying their child's school as in excellent condition.

Parental rating of their child's School districts with buildings in need of school building major repair/replacement 61.3% 30.2% 71.4% Excellent Showing wear/defects SOURCE: 2023 State of Education report PSBA.org

SCHOOL FACILITIES (Statewide)



School leaders reported a wide variety of needed areas for improvement in their school buildings. With the attention paid to school ventilation systems during the pandemic, it's not surprising that heating, venting and air conditioning leads the list of needed improvements.



School building areas of needed repair/renovation/replacement



FACILITIES

- Total 10 Buildings (7 School Buildings):
 - High School 1961
 - Arcola 1973
 - Skyview 2009
 - Arrowhead 2022
 - Eagleville 2002
 - Woodland 1969
 - Worcester 1999
 - Facilities Building 1998
 - Administration Building 1965
 - Transportation Building 1972



FACILITIES MASTER PLAN

- Since 2016 District made \$58,633,710 in improvements to date
 - Arrowhead Elementary School (new construction)
 - Eagleville Elementary School (renovation)
 - Façade/HVAC/Addition with Visitor Control
 - Audubon Elementary School (closure/demolition)
 - High School façade, fire alarm, canopy, and water infiltration
 - Arcola auditorium remediation (ceiling) and remodeling + HVAC
 - Various building roof replacements across district
 - High School egress and security project
 - Security cameras in all district buildings
 - Skyview building automation control system upgrade
 - Transportation fuel tank repair

2023 FACILITIES CONDITION ASSESSMENT



Facility	Replacement Value
Administration Building	\$3,971,200
Arcola Intermediate/Skyview Upper Elementary	\$129,827,625
Arrowhead Elementary	\$32,250,000
Eagleville Elementary School	\$25,174,500
Facilities Building	\$3,358,000
Methacton High School	\$119,913,560
Transportation Building	\$1,825,000
Woodland Elementary	\$31,500,000
Worcester Elementary	\$25,109,625

			Yr. 0		Yr. 5		Yr. 10		Yr. 20		
Campus Name	Cost/SF	Total SF	Replacement Value	Bidg. FCI	Bldg. Needs						
Administration Building	\$292	13,600	\$3,971,200	0.0%	\$0	30.2%	\$1,198,200	37.6%	\$1,492,900	94.6%	\$3,757,500
Arcola Intermediate/Skyview and Upper Elementary	\$375	346,207	\$129,827,625	0.0%	\$6,000	10.6%	\$13,825,500	19.9%	\$25,773,800	52.8%	\$68,543,300
Arrowhead Elementary	\$375	86,000	\$32,250,000	0.0%	\$0	0.0%	\$0	1.4%	\$448,600	23.3%	\$7,516,500
Eagleville Elementary School	\$375	67,132	\$25,174,500	0.0%	\$3,900	8.6%	\$2,162,400	18.6%	\$4,679,400	52.0%	\$13,100,100
Facilities Building	\$292	11,500	\$3,358,000	0.0%	\$0	5.4%	\$180,900	10.0%	\$335,700	35.2%	\$1,181,600
Methacton High School	\$380	315,564	\$119,913,560	14.2%	\$17,058,800	57.6%	\$69,025,800	74.2%	\$88,994,400	100.5%	\$120,485,800
Transportation Building	\$292	6,250	\$1,825,000	0.0%	\$0	18.2%	\$332,700	27.6%	\$504,500	39.9%	\$728,700
Woodland Elementary	\$375	84,000	\$31,500,000	0.4%	\$130,000	25.5%	\$8,030,400	34.4%	\$10,845,500	57.9%	\$18,227,800
Worcester Elementary	\$375	66,959	\$25,109,625	13.0%	\$3,271,700	23.5%	\$5,896,300	33.9%	\$8,521,600	62.6%	\$15,729,900

Note: Analysis excludes costs related to site work and development. Building Needs are different from Campus Needs

SUMMARY



	Yr. 0		Yr. 5		Yr. 10		Yr. 20				
Campus Name	Cost/SF	Total SF	Replacement Value	Bidg. FCI	Bldg. Needs	Bidg. FCi	Bldg. Needs	Bidg. FCI	Bldg. Needs	Bidg. FCI	Bldg. Needs
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SUMMARY



Note: Analysis excludes costs related to site work and development. Building Needs are different from Campus Needs

2023 FACILITIES PLAN DEVELOPMENT

- Plan development must consider the following:
 - facilities inventory of assets with conditions
 - annual budgetary constraints
 - organization of projects to leverage economies of scale
 - life safety/priority targets
 - ability to manage/oversee/complete projects



2023 FACILITIES MASTER PLAN



Methacton SCHOOL DISTRICT

MASTER PLAN PROJECT ROAD MAP:

Building	Project	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
ARROWHEAD												
EAGLEVILLE	Site Paving					\$ 80,072						
EAGLEVILLE	HVAC Replacement Project								\$ 2,440,242			
WOODLAND	Infrastructure and Finishes Project									\$ 11,213,094		
WOODLAND	HVAC Project including controls			\$	1,129,106							
	Chiller Replacement Project		\$	418,073								
WORCESTER	Secure Vestibule & Roof Project			\$ 5,262,406								
WORCESTER	HVAC Controls			\$ 594,649								
	Infrastructure and Finishes Project											\$ 7,639,380
	Roof Replacement Project		\$ 2,089,906									
SKYVIEW - ARCOLA	Mill/Overlay Parking Lot			\$ 220,676								
SKTVIEW - ARCOLA	HVAC & Electrical			\$	9,393,251							
	Infrastructure and Finishes Project							\$	13,392,788			
	Renovation Zone 2			\$	39,024,627							
	Renovation Zone 1					\$	61,332,804					
METHACTON HIGH SCHOOL	Renovation Zones 3 & 4							\$	53,036,224			
	Site Project					\$ 3,280,474						
	Artificial Turf Replacement								\$ 2,770,110			
FARINA ED. CENTER	Renovation						\$ 5,167,944					
FACILITIES BUILDING												
TRANSPORTATION BUILDING	New Transportation Building			\$	2,546,100							
	Subtotals per Year:		\$ 2,298,942	\$ 32,333,311	\$ 26,046,542	\$ 34,026,948	\$ 35,834,346	\$ 33,214,506	\$ 38,424,858	\$ 11,213,094	\$-	\$ 7,639,380
	Total:					\$2	221,031,92	7				

ZONE 1 BUDGET SHEET



Construction Time:

Escalation Rate:

2027 - 2028

4.00%

High School



Building Renovation - Zone 1

Building System	Description			Cost \$
Structure	N/A		\$	
Facade	N/A		ŝ	
Roofing	Partial single ply membrane roof replacement		\$	1,862,531
Interior	Classroom wall reconfiguration		÷	2,002,001
Interiors			\$	7,354,911
Conveying	vertical lift renovation		ŝ	27.060
Plumbing	showers and sinks			37,060
HVAC	Unit heaters, split-systems, HVAC complete system upgrade, air handlers		\$	2,725
Fire Protection	Replace portion of system		\$	7,184,626
Fire Protection	secondary transformers, distribution panels, interior lighting, sound systems		\$	19,620
Electric			\$	2,248,261
Equipment & Furnishings	theater and stage equipment, fixed auditorium seats		\$	720,163
Fire Alarm	N/A		\$	
ADA Accessibility	Counter and cabinetry in labs		\$	2,735,682
Building wide	See High School All zones for breakdown		ŝ	7,242,142
		Subtotal:		29,407,721

ZONE 1 BUDGET SHEET (continued)

Amount from previous slide

Building wide	See High School All zones for breakdown	\$	7,242,142
		Subtotal: \$	29,407,721
Labor Inefficiency Factor	25%	\$	7,351,930
Modular Classrooms	Allowance	\$	5,000,000
Off site parking	Allowance	\$	-
		Subtotal: \$	41,759,651
Escalation years:	4	\$	7,093,234
Design Contingency	5%	\$	2,087,983
		TOTAL CONSTRUCTION COST: \$	50,940,867
Soft Costs:	12%	\$	6,112,904
Funiture, Fixtures, Equipment	3.40%	\$	1,731,989
Construction Contingency	r: 5%	\$	2,547,043
		TOTAL PROJECT COST: \$	61,332,804

 $MHSCPC \ ({\sf Methacton High School Campus Planning Committee})$

PROBLEM:

Methacton High School, constructed in 1961, having a projected facility need of almost 60% within the next 5 years with nearly \$69,000,000 in projected renovations/repairs/replacements.

SOLUTION:



Given the facilities needs identified for all buildings located on the high school campus, it is imperative that we develop a comprehensive campus plan that considers the educational, operational, and financial aspects to ensure that future investments support the mission of the district and the vision for our high school and campus for the next 50 years.

INITIAL ACTION:

Form the Methacton High School Campus Planning Committee (MHSCPC), a collection of school community stakeholders (students, parents, staff and community members), who will provide recommendations to the Board of School Directors on future investments in the Methacton High School campus and its existing structures/buildings (High School Building/Transportation Building/Administrative Building/Campus Sewer Plant).

METHACTON HIGH SCHOOL CAMPUS PLANNING COMMITTEE

- October 5, 2023 Overview of committee work and MHS tour
- October 14, 2023 Subcommittees produce prioritized recommendations
- November 2, 2023 Subcommittees present top recommendations and prioritization activity
- December 2023 Administration Drafts Report
- January 2024 Final Report to MHSCPC members

September –October 2023 held tours of Avon Grove, Pottstown, Upper Merion high schools as examples of renovated and new construction

• February 2024 - Present Recommendations to Board of School Directors

MHSCPC - Topics

- Traffic/Parking/Aesthetics
- Operational Costs
- Accessibility
- Sustainability
- Sewer Plant/Transportation/Administration Building
- Student Recommendations
- Staff Recommendations
- Campus Safety/HS Building Safety
- HS Building Zone 1 (Auditorium, Band Room, Choral Room, West Wing Classrooms)
- HS Building Zone 2 (Kitchen, Pool, Boiler Room, Main Gym)
- HS Building Zone 3 (Art Room, Science Classrooms, Tech Ed Classrooms, Athletics Office) + HS Building Zone 4 (LGI, Principal's Office, Math Labs)







FISCAL APPROACH TO ADDRESSING FACILITIES

- 2 Option Approach
 - Maintenance of Assets (annual approach)
 - Annual facilities budget
 - Includes dedicated internal staff and 3rd party firms with maintenance contracts
 - Includes preventative maintenance routines incorporated in work order system
 - Fixes/Replacements/Improvements of Assets (based on Master Facilities Plan)
 - Capital Projects Fund
 - Established fund to address small to medium size fix/replacement projects (generally not greater than \$2M)
 - Established annual budgetary transfer to capital projects fund
 - Reduces the overall expense (interest and fees)(Example \$1M Borrow over ten years leads to \$230k in interest costs alone)
 - Bond (borrowing)
 - Required for large projects (generally greater than \$2M)

Bond Scenarios



- Estimated \$221,031,927 in needed repairs across all district facilities
- Estimates:
 - Borrowing \$100M will impact the average homeowner by \$20 per yr
 - Borrowing \$140M will impact the average homeowner by \$30 per yr
 - Borrowing \$180M will impact the average homeowner by \$60 per yr

Assumes current market rates and borrowing over three fiscal years (provided by Public Financial Management (PFM)

"The Update" with Dr. Zerbe

• 4 One hour sessions per semester (target 8/yr)





- Locations within Lower Providence and Worcester Community (announced on district website/Social Media)
- Opportunity for the district to share matters of importance while providing opportunity for residents to ask questions

We 💚 our Methacton-Shannondell Partnership

