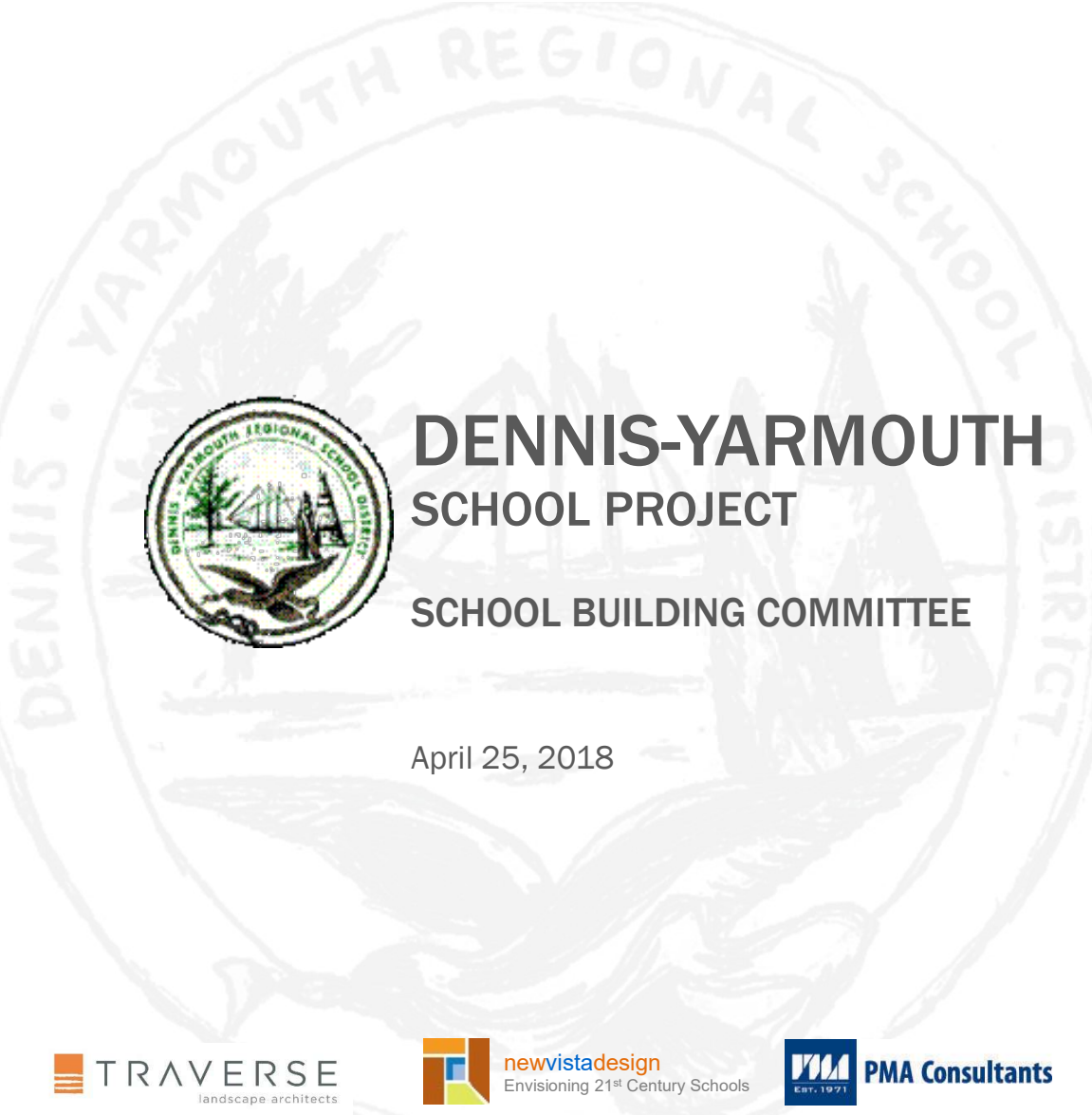





**PERKINS —
EASTMAN**

Photo courtesy of TripAdvisor



The seal of the Dennis-Yarmouth Regional School District is a large, faint circular emblem in the background. It features an eagle with spread wings in the center, surrounded by the text 'DENNIS-YARMOUTH REGIONAL SCHOOL DISTRICT'. Inside the eagle's wings is a smaller circular seal depicting a ship and the text 'DENNIS-YARMOUTH REGIONAL SCHOOL DISTRICT'.





A smaller, more detailed version of the Dennis-Yarmouth Regional School District seal is positioned to the left of the main title. It features an eagle with spread wings in the center, surrounded by the text 'DENNIS-YARMOUTH REGIONAL SCHOOL DISTRICT'. Inside the eagle's wings is a smaller circular seal depicting a ship and the text 'DENNIS-YARMOUTH REGIONAL SCHOOL DISTRICT'.


DENNIS-YARMOUTH SCHOOL PROJECT

SCHOOL BUILDING COMMITTEE

April 25, 2018

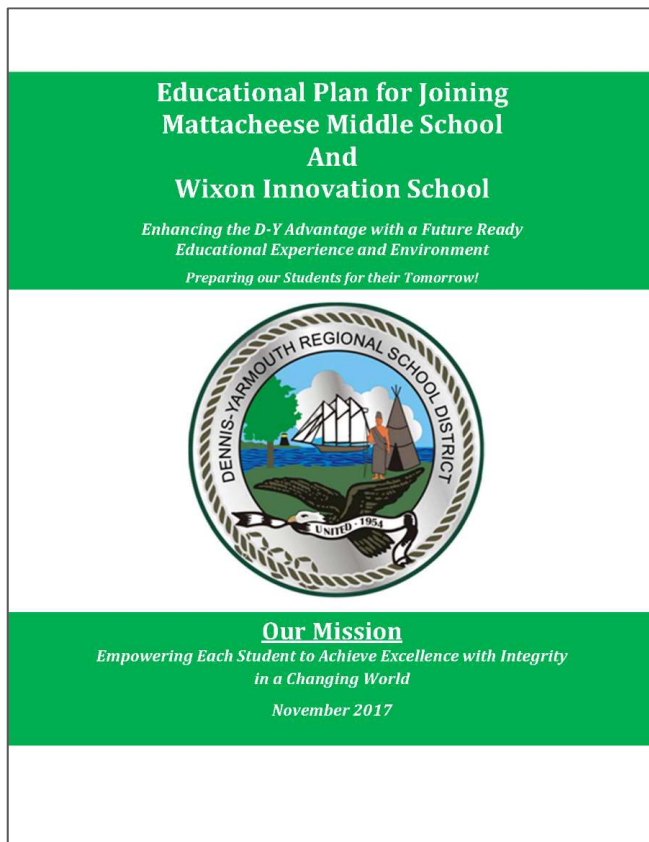
 **TRAVERSE**
landscape architects

 **newvista design**
Envisioning 21st Century Schools

 **PMA Consultants**
Est. 1971

SCHEDULE AND DECISIONS

- Apr. 25, 2018 – SBC (vote to submit Preferred Schematic Report)
- May 9, 2018 – Compile & Submit PSR
- May 23 or Jun. 6, 2018 – MSBA Facilities Assessment Subcommittee Meeting
- Jun. 27, 2018 MSBA Board of Directors (for PSR approval)
- Dec. 12, 2018 MSBA Board of Directors (for Schematic Scope & Budget approval)
- Dec. 2018 – Dec. 2019 – Design Development
- Jan. 2020 – Mar. 2020 – Bidding
- Spring 2020 – Estimated Construction Start (Construction Duration ~ 2 Years)



RECAP - EDUCATIONAL PLAN

- Desire to Extend MMS Day (match Wixon)
- Combined Grade Configuration and Central Location Preferred
- Small School Feel (separate zones)
- Zoned for Community Use/Access
- Academic Clusters
- Support Co-Teaching
- Flexible/Agile Spaces (incl. folding walls)
- Small Group / Pull-out Spaces Needed
- Transparency
- Small Class Sizes (20)
- Robust Music Needs
- Substantial Special Education
- 2 Lunch Seatings
- Outdoor Learning

PREFERRED OPTION: S2 – SITE

VEHICULAR CAPACITY:

Parking = 250 cars (+42 ES replicated)

Full Car Loop = 3,380 lf

Car Que = 2,980 lf

Bus Que = 28, double-stacked

STRUCTURED PLAY:

Playgrounds & Outdoor Classrooms

PLAY FIELDS:

New Baseball & New Softball with

New Overlapping Multi-Use Field

Replication of (2) ES Multi-Use Fields

NOTES:

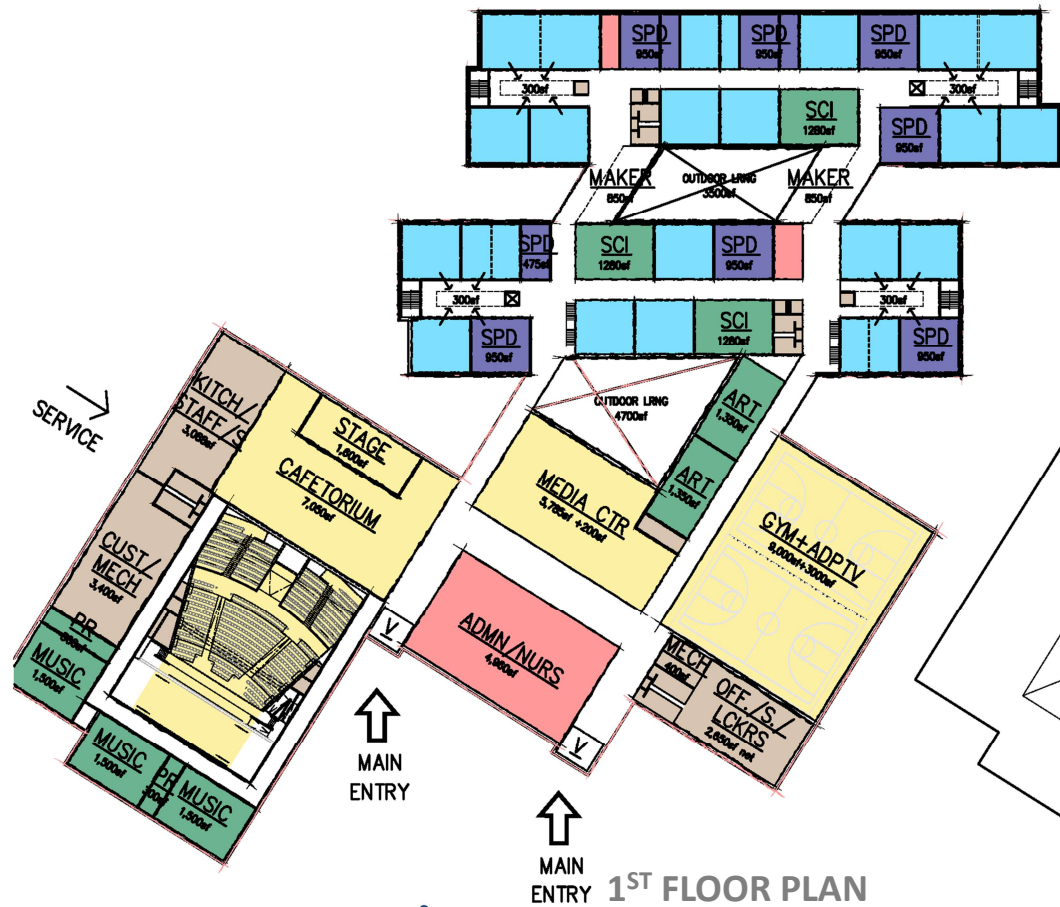
1. 250 PARKING SPACES FOR
NEW MS

2. 42 NEW PARKING SPACES
FOR DISPLACED ES SPACES

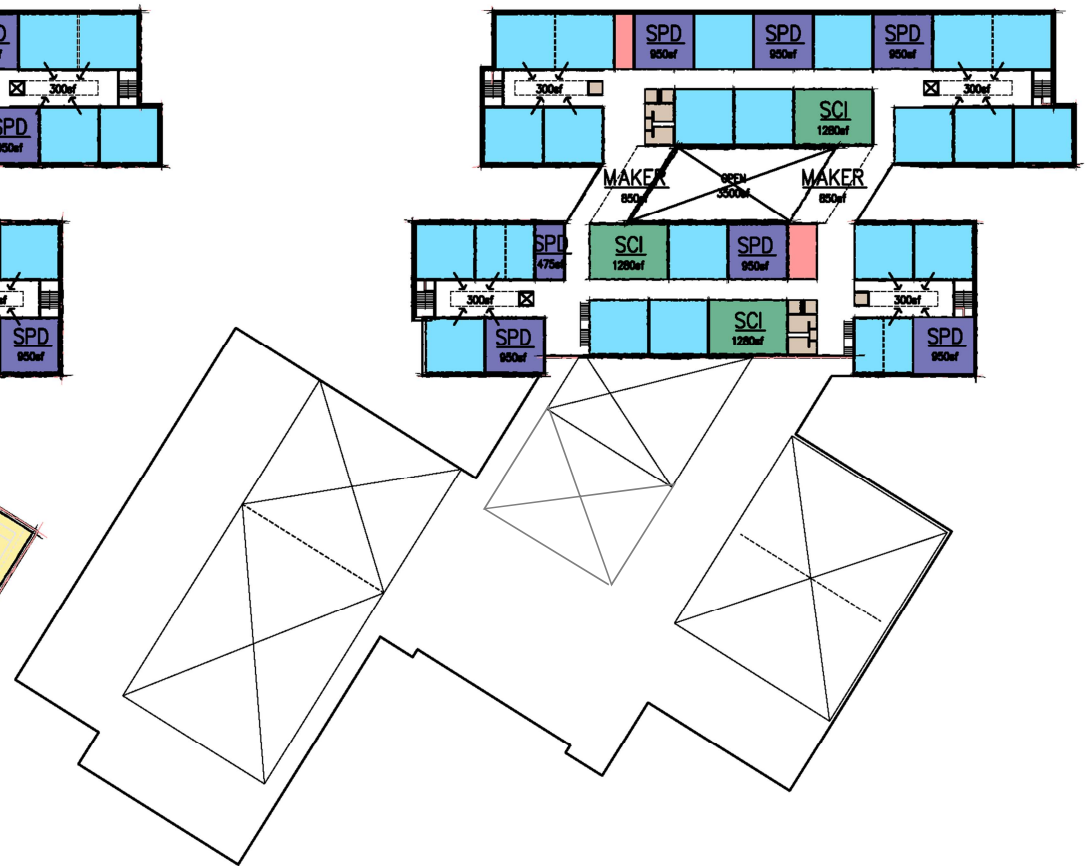
3. PARENT CIRCULATION



PREFERRED OPTION S2 - PLANS

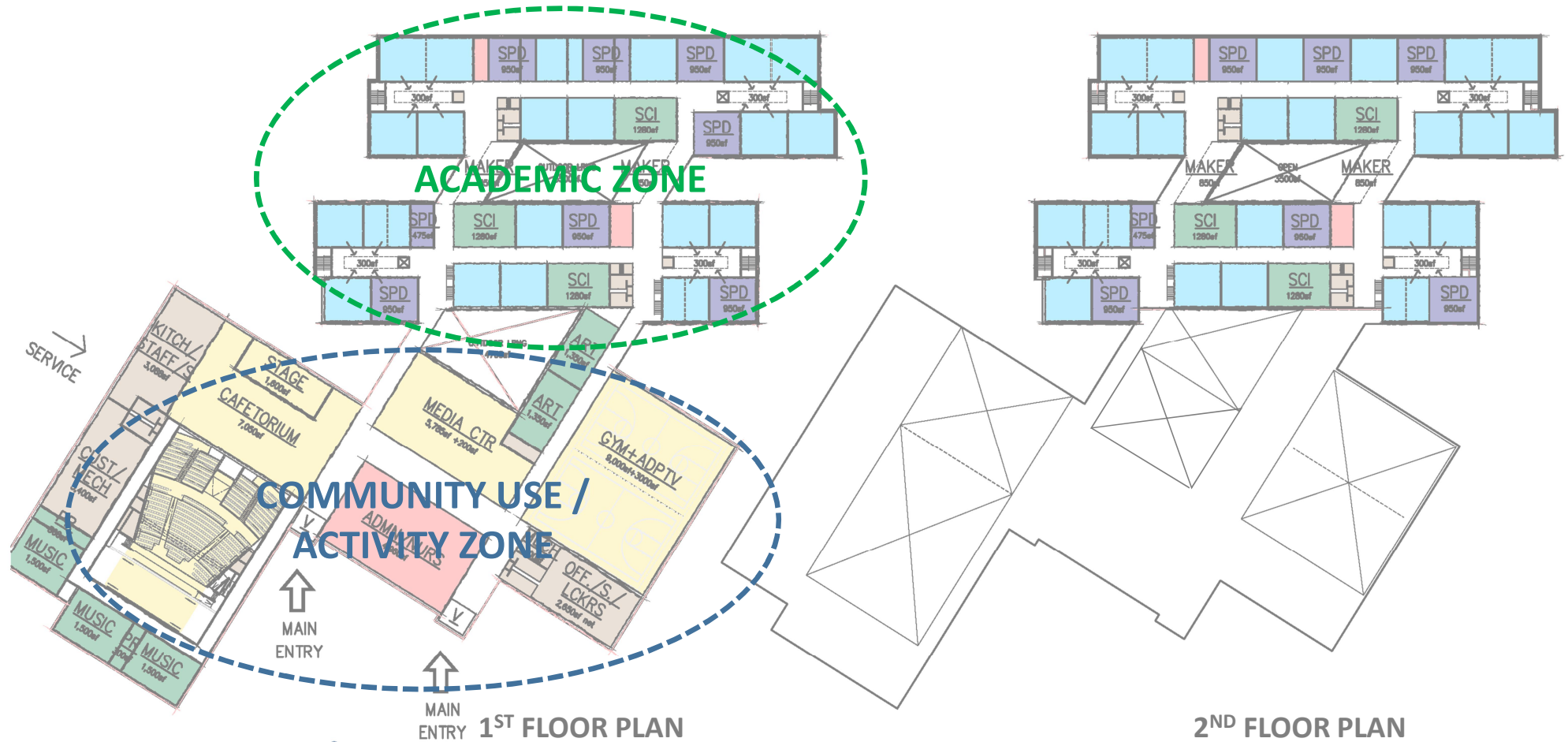


1ST FLOOR PLAN



2ND FLOOR PLAN

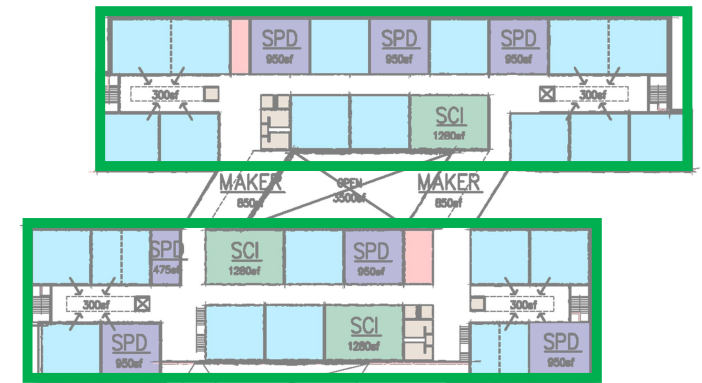
ORGANIZATIONAL CONCEPT



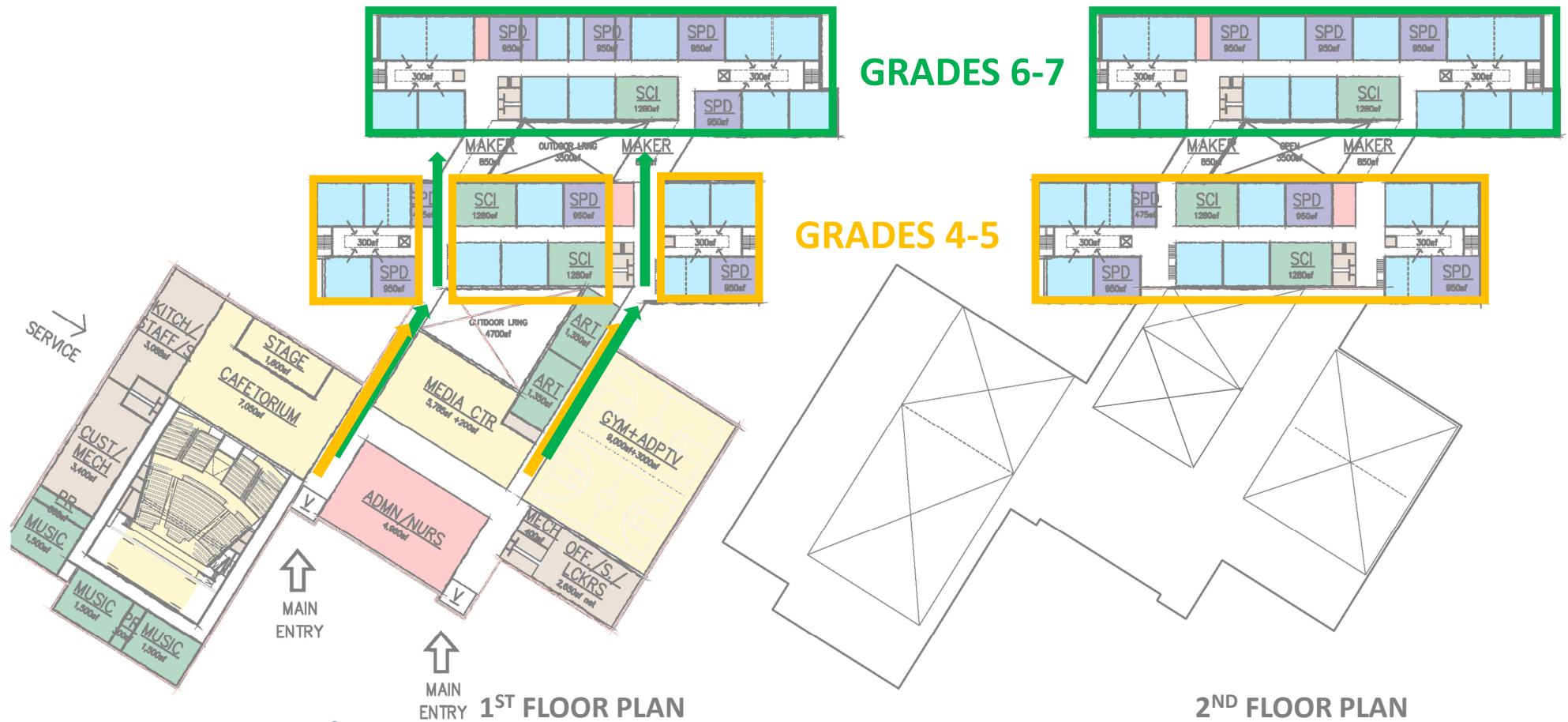
ORGANIZATIONAL FLEXIBILITY

GRADES 4-5

GRADES 6-7



ORGANIZATIONAL FLEXIBILITY



ORGANIZATIONAL FLEXIBILITY

GRADES 4-5

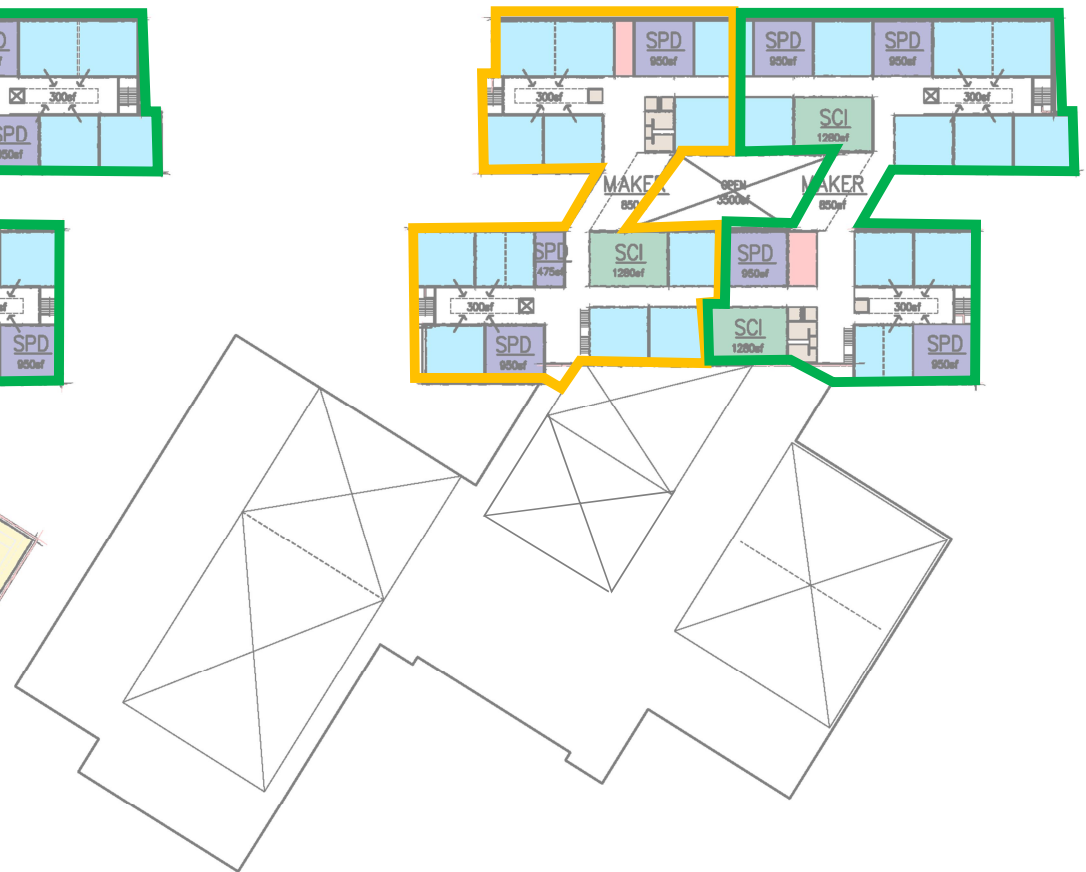
GRADES 6-7

GRADES 4-5

GRADES 6-7



1ST FLOOR PLAN



2ND FLOOR PLAN

OUTDOOR CONNECTIONS

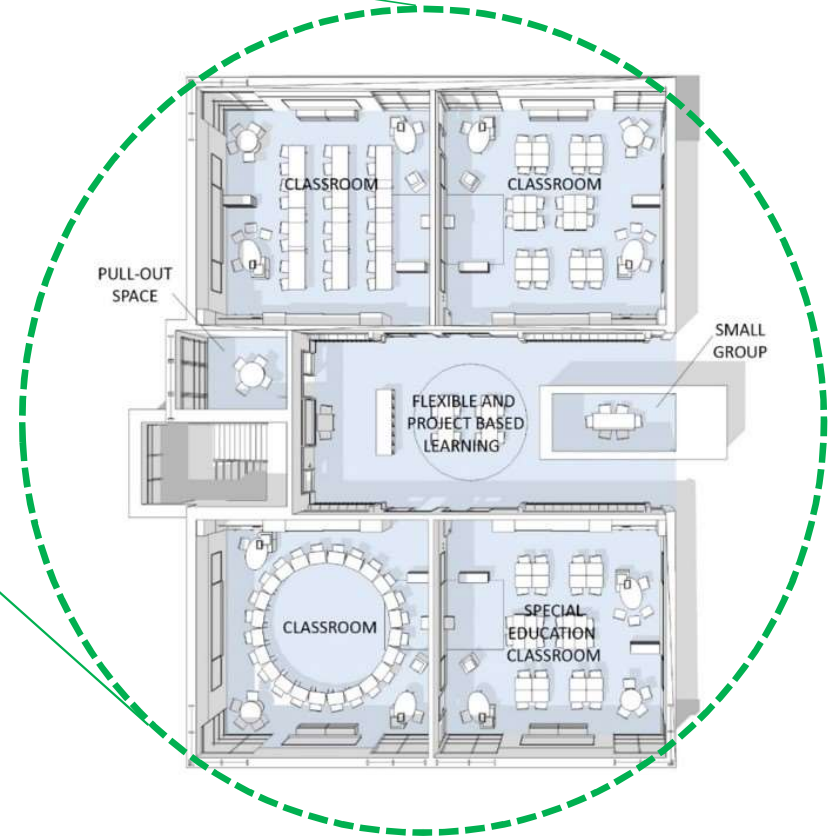


1ST FLOOR PLAN

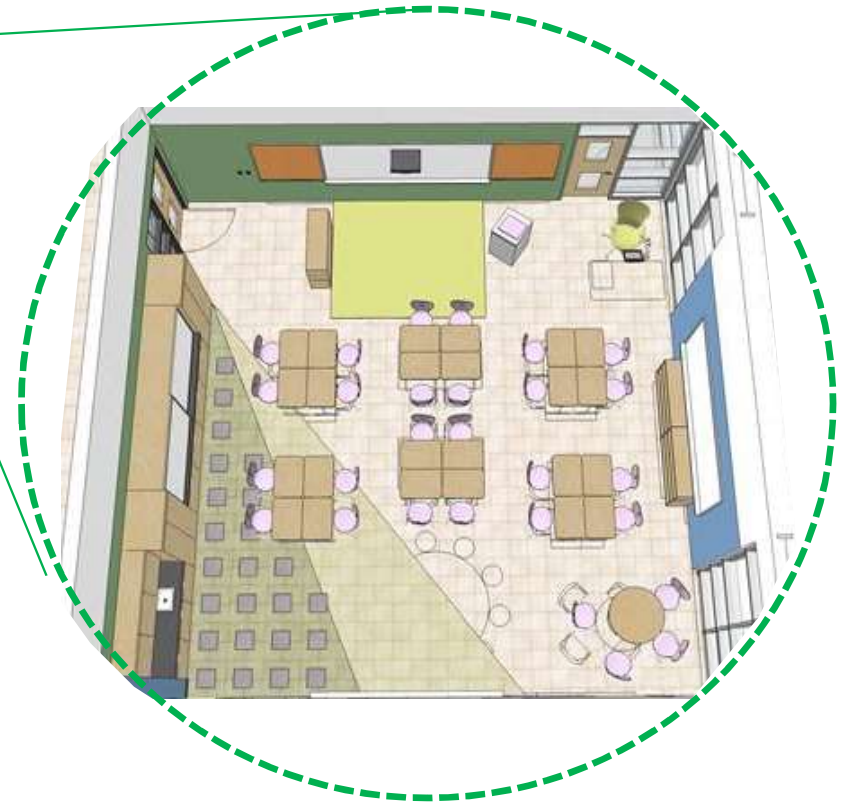
LEARNING COMMONS



COLLABORATIVE CLUSTERS



SAFETY/SECURITY



PREFERRED OPTION S2 - MASSING



ENERGY USE

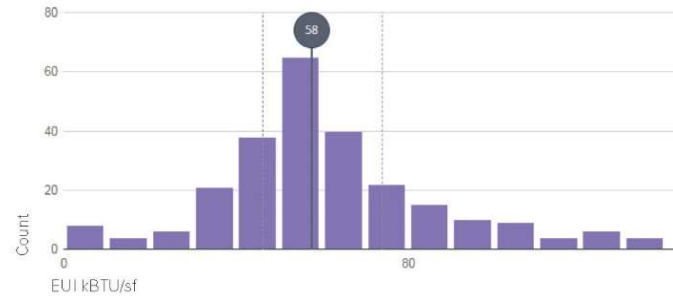
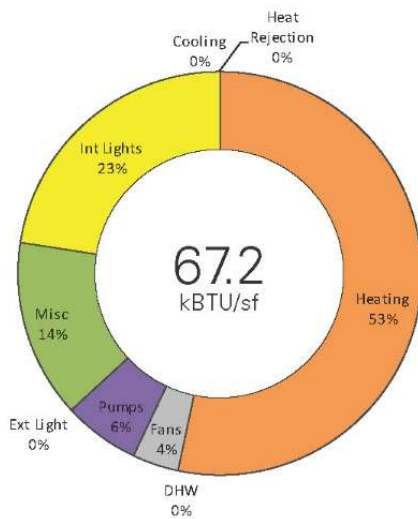
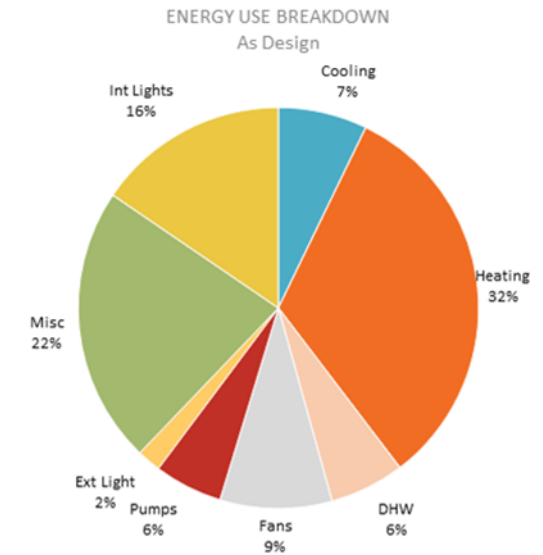


FIG.3. BUILDING PERFORMANCE SURVEY DATA FOR SCHOOLS IN MASSACHUSETTS

Current Plans = 31 EUI given shape/solar orientation, assuming certain systems, envelope & window ratio



ELECTRICITY

NATURAL GAS

	Building SF	kWh	Solar	Total kWh	Cost	Cost PSF	Therm	Cost	Cost PSF
WIXON	116,900	156,005	460,052	616,057	\$28,081	\$0.24	66,116	\$26,895	\$0.23
MATTACHEESE	122,207	311,088	233,740	544,828	\$55,996	\$0.46	81,673	\$33,206	\$0.27
TOTAL	239,107	467,093	693,792	1,160,885	\$84,077	\$0.70	147,789	\$60,101	\$0.50
NEW BUILDING	183,700	1,102,200	0	1,102,200	\$198,396	\$1.08	37,440	\$15,350	\$0.08
NEW BUILDING W/SOLAR	183,700	485,984	616,216	1,102,200	\$87,477	\$0.48	37,440	\$15,350	\$0.08

Note: The New Building has full Air Conditioning

Without Solar the cost of Electricity for the two existing schools would be \$199,261

Available roof area for solar panel installation - 44,000 SF

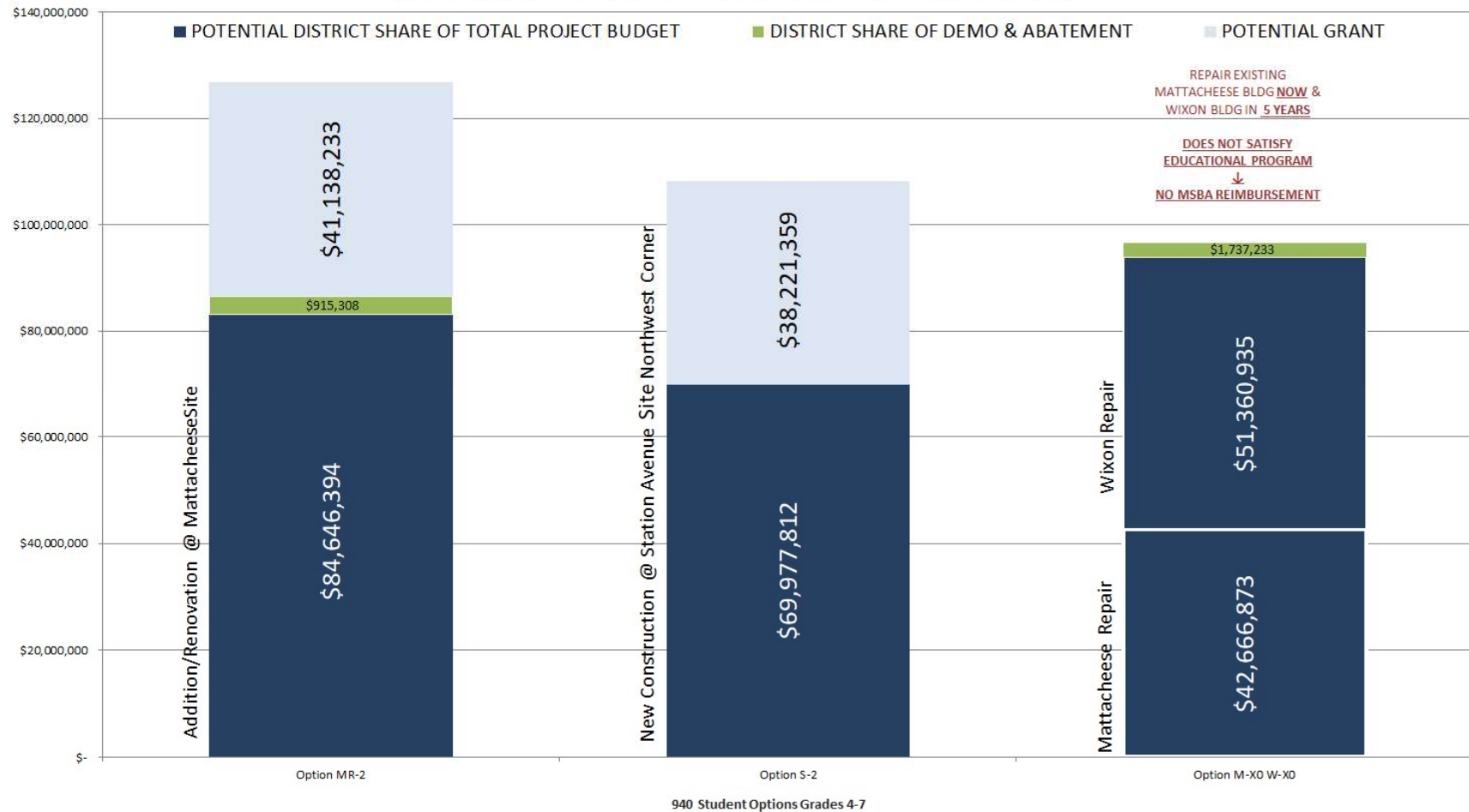
DYIMS COST VARIABLES

Items Exceeding Average MSBA Cost/SF Data:

- General Condition / General Requirement Increase from 8% to 10.5% Due to Limited Competition in Market (+\$2.2M)
- Rammed Aggregate Piers (“Geopiles”) Required due to Liquefaction Concerns Identified 4/7/18 (+\$2M)
- Chilled Radiant Panels, Requiring 150 Ton Chilled Water Plant (+\$1.5M)
- Auditorium at \$750/SF + Corresponding Soft Cost Exclusions
- Triple Glazed, High Impact Windows
- Large Quantity of Play Fields
- District Administration/District IT – Estimators Suggest to Carry \$380/SF x 8800SF +Corresponding Soft Cost Exclusions (Alternate, Not In Current Figures)

DYIMS COST COMPARISON

CONCEPTUAL LEVEL COST SCENARIO

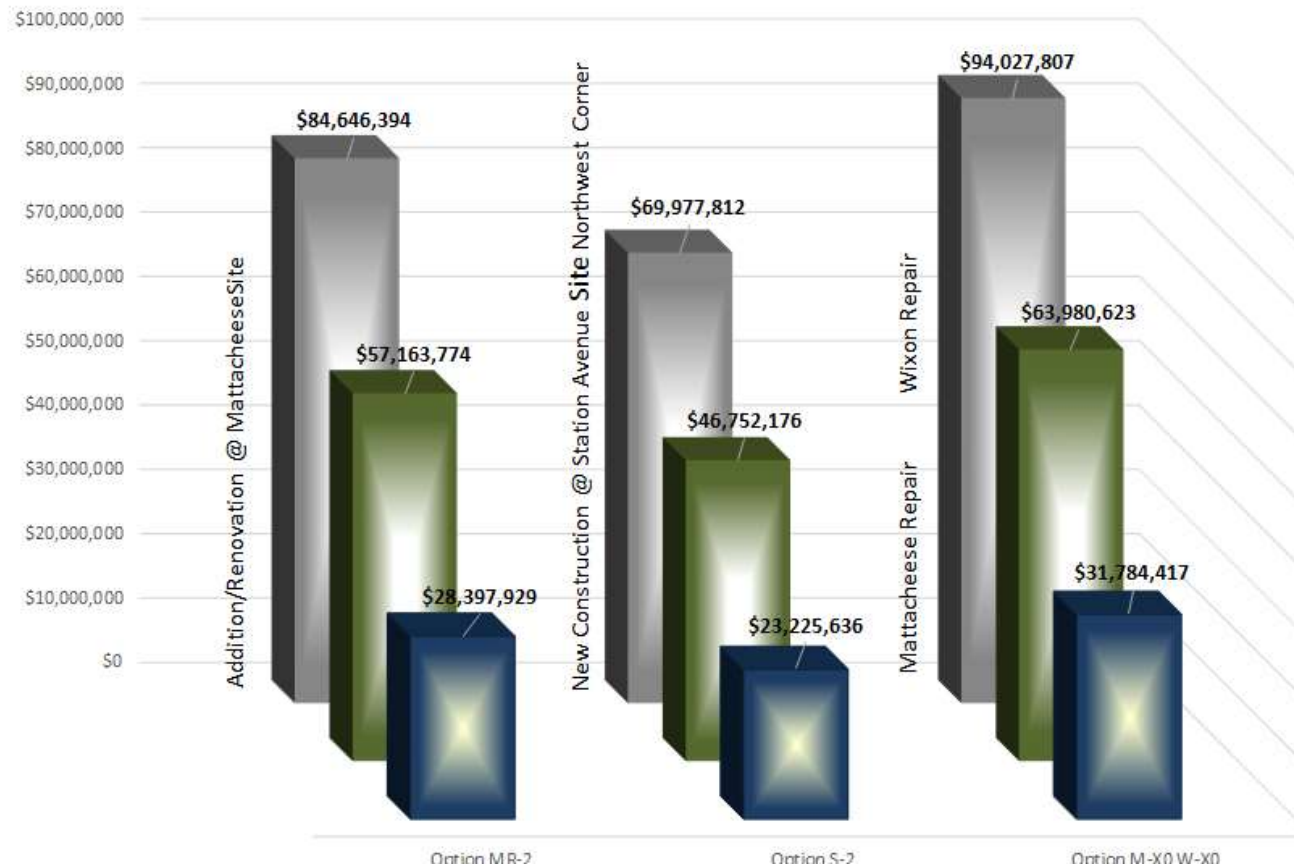


Year	Oct. 1, 2017	
Town	D	Y
4	90	170
5	98	169
6	56	163
7	73	136
Total	317	638
Grand Total-Gr. 4-7	955	
Town % Grand Total	33.19%	66.81%

DYIMS POTENTIAL TOWN SHARES

Hypothetical Funding Split Under Current Regionalization Agreement

- Potential Dennis Share @ (33.19%)
- Potential Yarmouth Share @ (66.81%)
- POTENTIAL DISTRICT SHARE OF TOTAL PROJECT BUDGET



PROJECT FUNDING OPTIONS

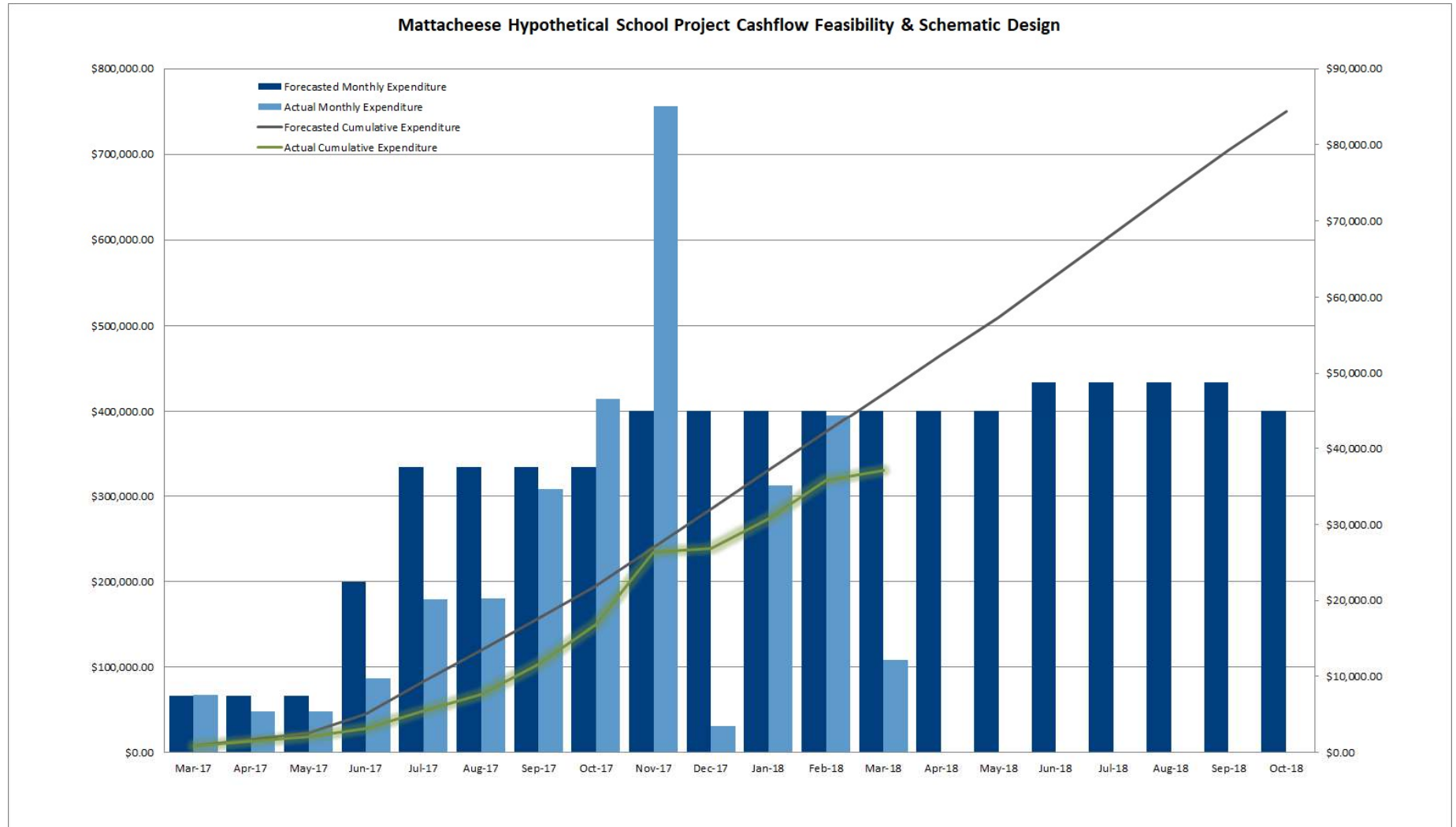
- Regional School District
 - School Committee Authorization/Town Votes (Processed utilized by Cape Cod Tech)

Activity Name	Start	Finish	
Funding Authorization			
120 Day Deadline to Obtain Project Funding		10-Apr-19	◆ 120 Day Deadline to Obtain Project Funding
Option #1 - "Regional" Process MGL c.71 s.16			
Town Meeting - Town of Yarmouth - Project Update (optional)	05-May-18*	05-May-18	I Town Meeting - Town of Yarmouth - Project Update (optional)
Town Meeting - Town of Dennis - Project Update (optional)	08-May-18*	08-May-18	I Town Meeting - Town of Dennis - Project Update (optional)
School Committee Vote to Request Funding (2/3 vote required)	11-Oct-18	24-Oct-18	■ School Committee Vote to Request Funding (2/3 vote required)
Local Funding Authorization - District-Wide Ballot Vote	25-Oct-18	07-Nov-18	■ Local Funding Authorization - District-Wide Ballot Vote

- Non-Regional School District

Activity Name	Start	Finish	
Funding Authorization			
Option #2 - "Non-Regional" Process			
Town Meeting - Town of Yarmouth - Project Update (optional)	05-May-18*	05-May-18	I Town Meeting - Town of Yarmouth - Project Update (optional)
Town Meeting - Town of Dennis - Project Update (optional)	08-May-18*	08-May-18	I Town Meeting - Town of Dennis - Project Update (optional)
July Board of Selectmen [DATES TO BE CONFIRMED] - Ballot	02-Jul-18*	31-Jul-18	■ July Board of Selectmen [DATES TO BE CONFIRMED] - Ballot Vote Authorization
Deadline for Submission of State Ballot Question to AG	01-Aug-18	01-Aug-18*	I Deadline for Submission of State Ballot Question to AG
October Town Meeting Vote [DATES TO BE CONFIRMED] - Warrant Article	01-Oct-18*	31-Oct-18	■ October Town Meeting Vote [DATES TO BE CONFIRMED] - Warrant Article
Local Funding Authorization - Ballot Vote in Each Town	06-Nov-18	06-Nov-18*	I Local Funding Authorization - Ballot Vote in Each Town


DYIMS FEASIBILITY BUDGET UPDATE





**PERKINS —
EASTMAN**


Photo courtesy of TripAdvisor




DENNIS-YARMOUTH SCHOOL PROJECT

SCHOOL BUILDING COMMITTEE


April 25, 2018



TRVERSE
landscape architects



newvistadesign
Envisioning 21st Century Schools



PMA Consultants