

TOWN OF MEDFIELD MEETING NOTICE

Posted:

Town Clerk

Posted in accordance with the provisions of M.G.L. c. 30A, §§18-25

This meeting will be held in a hybrid format. Members of the public who wish to participate to the meeting may do so in person or via Zoom by one of the following options:

1. To join online, use this link:
<https://medfield-net.zoom.us/j/86814894515?pwd=K01pRlVzaEJmeFZDdktnEtES0vZz09>
 - a. Webinar ID: 868 1489 4515
 - b. Password: 988378
2. To join through a conference call, dial 309-205-3325 or 312-626-6799 or 646-931-3860 or 929-436-2866 or 301-715-8592 or 386-347-5053 or 564-217-2000 or 669-444-9171 or 669-900-6833 or 719-359-4580 or 253-215-8782 or 346-248-7799
 - a. Enter the Webinar ID: 868 1489 4515
 - b. Enter the password: 988378

Warrant Committee

Board of Committee

PLACE OF MEETING	DAY, DATE, AND TIME
Chenery Hall, Medfield Town House Also available remotely on Zoom	Monday, April 03, 2023 at 7:00 pm

Agenda (Subject to Change)

Call to Order

Disclosure of video recording

Approval of Minutes

Department Budget Reviews

- Parks & Rec
- Arts/Cultural Council

Compliance with Financial Policy Tests

Warrant Article Discussions

- Article 22: FY 24 Operating Budget (Potential Vote)
- Article 26: School Committee PPA and Lease Authorization for Solar Photovoltaic (Medfield Energy Committee and School Committee)
- Article 27: Change of Hours for Noise Bylaw (Potential Vote)
- Citizens Petition: Article 30 - School Committee Public Hearings (Potts)
- Citizens Petition: Article 31 - Compensation Transparency (Green)
- Other Financial Articles (Potential Votes)

Update From Town Finance

Informational Items

Next Meeting Dates

April 11th

April 25th (TBD)

TOWN OF MEDFIELD

WC RECOM BUDGET REQUESTS

BUDGET PROJECTION 2024 FY 2024 APPROPRIATIONS

ORG	OBJECT PROJ	ACCOUNT DESCRIPTION	CURRENT ADJ BUDGET	PROJECTED ACTUAL	WC RECOM	PERCENT CHANGE
016301	510100 01 -600-630-00-1-0000-000-510100	P&R SALARIES	258,725.00	258,725.00	274,885.00	6.25
016301	510130 01 -600-630-00-1-0000-000-510130	LONGEVITY-P&R	1,000.00	1,000.00	650.00	-35.00
016302	520112 01 -600-630-00-2-0000-000-520112	INFORMTN TECH-WEB PAGE	.00	.00	.00	.00
016302	520200 01 -600-630-00-2-0000-000-520200	GROUND & BUILDG MAINT	3,400.00	3,400.00	3,400.00	.00
016302	520201 01 -600-630-00-2-0000-000-520201	GRNDS+ATHLET FLDS MAINT	.00	.00	.00	.00
016302	520202 01 -600-630-00-2-0000-000-520202-	BUILDING MAINTENANCE	.00	.00	.00	.00
016302	520500 01 -600-630-00-2-0000-000-520500	OTHER EQUIPMENT	.00	.00	.00	.00
016302	520600 01 -600-630-00-2-0000-000-520600	EQUIP MAINT CONTRACTS	.00	.00	.00	.00
016302	521100 01 -600-630-00-2-0000-000-521100	UTIL-ELECTRICITY	10,000.00	10,000.00	16,820.00	68.20
016302	521300 01 -600-630-00-2-0000-000-521300	UTIL-FUEL & OIL	10,500.00	10,500.00	10,500.00	.00
016302	521500 01 -600-630-00-2-0000-000-521500	UTIL-TELEPHONE	3,000.00	3,000.00	3,000.00	.00
016302	521600 01 -600-630-00-2-0000-000-521600	UTIL-WATER & SEWER	25,000.00	25,000.00	25,000.00	.00
016302	521900 01 -600-630-00-2-0000-000-521900	PROFESSIONAL SERVICES	.00	.00	.00	.00
016302	523613 01 -600-630-00-2-0000-000-523613	CONTR SVC-WASTE REMVL	.00	.00	.00	.00
016302	524100 01 -600-630-00-2-0000-000-524100-	CLOTHING ALLOWANCE	.00	.00	.00	.00
016302	540220 01 -600-630-00-2-0000-000-540220	OFFICE SUPPLIES	.00	.00	.00	.00

WC RECOM BUDGET REQUESTS

BUDGET PROJECTION 2024 FY 2024 APPROPRIATIONS

ORG	OBJECT PROJ	ACCOUNT DESCRIPTION	CURRENT ADJ BUDGET	PROJECTED ACTUAL	WC RECOM	PERCENT CHANGE
016309	590022 01 -600-630-00-9-0000-000-590022	PFAFF RPRS 17k 16/11	.00	.00	.00	.00
016309	590023 01 -600-630-00-9-0000-000-590023	WTPRF BRICK 23k16/12	.00	.00	.00	.00
016309	590024 01 -600-630-00-9-0000-000-590024-	CNCESS+BATHR30k18/14	15,882.45	15,882.45	.00	-100.00
016309	590025 01 -600-630-00-9-0000-000-590025-	RsurfTennCts58k17/16	.00	.00	.00	.00
016309	590026 01 -600-630-00-9-0000-000-590026-	P&R FacIFeas60k28/16	1,000.00	1,000.00	.00	-100.00
016309	590027 01 -600-630-00-9-0000-000-590027-	Frd F250XL30.1k14/17	.00	.00	.00	.00
016309	590028 01 -600-630-00-9-0000-000-590028-	BRIGG LeafLdr7k14/17	.00	.00	.00	.00
016309	590029 01 -600-630-00-9-0000-000-590029-	P&R PL+DES\$150k14/18	110,080.00	110,080.00	.00	-100.00
016309	590030 01 -600-630-00-9-0000-000-590030-	PsngR Van \$40k 12/18	8,005.00	8,005.00	.00	-100.00
016309	590031 01 -600-630-00-9-0000-000-590031-	UpdPondDk\$90.5k12/18	.00	.00	.00	.00
016309	590032 01 -600-630-00-9-0000-000-590032-	HPndShadSt39.2k10/19	.00	.00	.00	.00
016309	590033 01 -600-630-00-9-0000-000-590033-	EdgeBedEdgr1.7k10/19	.00	.00	.00	.00
016309	590034 01 -600-630-00-9-0000-000-590034-	Stnd72"Mow10.7k10/19	.00	.00	.00	.00
016309	590035 01 -600-630-00-9-0000-000-590035-	IntegTrailr4.4k10/19	.00	.00	.00	.00
016309	590038 01 -600-630-00-9-0000-000-590038-	ToroSandPro11/21	.00	.00	.00	.00
016309	590039 01 -600-630-00-9-0000-000-590039-	PassengerVan11/21	45,000.00	45,000.00	.00	-100.00

WC RECOM BUDGET REQUESTS

BUDGET PROJECTION 2024 FY 2024 APPROPRIATIONS

ORG	OBJECT PROJ	ACCOUNT DESCRIPTION	CURRENT ADJ BUDGET	PROJECTED ACTUAL	WC RECOM	PERCENT CHANGE
016309	590040 01 -600-630-00-9-0000-000-590040-	TR360Sprder11/21	.00	.00	.00	.00
016309	590041 01 -600-630-00-9-0000-000-590041-	Mower11/22	85,000.00	85,000.00	.00	-100.00
BUDGET CEILING:					576,592.45	
TOTALS:			576,592.45	576,592.45	334,255.00	-42.03
** END OF REPORT - Generated by Frank Gervasio **						

Parks and Recreation (31004)						
Description						
	Actual	Actual	Projected Budget	2023 YTD - Receipts	Forecast	
	2021	2022	2023		2024	
Beginning Balance - Book	\$9,855.22	\$8,425.96	\$1,858.59	\$1,858.59	\$381,771.20	
Receipts - Actual	\$615,833.11	\$857,115.31		\$487,966.70		
Subtract NY Prepaid Summer Deposits*	-\$513,858.25	-\$529,624.00				
Add back PY Prepaid Summer Deposits*	\$471,159.05	\$513,858.25	\$529,624.00	\$529,624.00	\$0.00	
Total Book Receipts	\$573,133.91	\$841,349.56	\$529,624.00	\$1,017,590.70	\$0.00	
Disbursements						
Payroll	\$250,465.52	\$345,816.81		\$328,763.30		
Operations	\$241,457.65	\$417,100.12		\$308,914.79		
Transfers Out for NY Capital	\$82,640.00	\$85,000.00	\$97,000.00			
Total Expenses	\$574,563.17	\$847,916.93	\$97,000.00	\$637,678.09	\$0.00	
Book Ending Balance	\$8,425.96	\$1,858.59	\$434,482.59	\$381,771.20	\$381,771.20	
Functional Ending Balance (counting prepaid receipts as revenue)*	\$522,284.21	\$531,482.59	\$434,482.59	\$381,771.20	\$381,771.20	
% of Expenses - Functional	93.30%	98.93%	#DIV/0!	130.68%	#DIV/0!	
% of Expenses - Book	100.25%	100.78%	18.31%	62.67%	#DIV/0!	
*Like other Municipalities that have Parks and Rec Revolving Funds, we do not realize the revenues from Summer Programs until the programs are actually run. This is listed as a liability on the town's balance sheet as unearned revenue until the revenue is earned, and is not considered part of the fund balance. Though in actuality, it is cash on hand, and is available to spend at year end.						
So the formula to calculate current year revenue is the actual collected, plus prior year prepaid deposits, minus next year's deposits received in advance.						

Solect Energy and PowerOptions

Town of Medfield School District
February 13, 2023

Agenda:

- Solar Update
- System Overviews
- Discussion of Next Steps



Solect Energy Development LLC – Confidential – Not for distribution



Medfield Schools - Solar Updates

Location	System Size	% Of Use	System Type	PPA Rate Block 7	PPA Rate Block 8	Total Savings + Tax (Block 7)	Total Savings + Tax (Block 8)	Notes / Actions Required
Blake Middle School	419.52	79%	Canopy + Roof	.159	.163	\$476,827	\$395,872	- Confirm RPT - LOI - Incentives & Feasibility
Medfield High School	661.44	64%	Canopy	.164	.167	\$676,729	\$627,690	- Confirm RPT - LOI - Incentives & Feasibility
Memorial School	374.4	104%	Canopy	.149	.156	\$547,743	\$484,192	- Confirm RPT - LOI - Incentives & Feasibility

PPA rates assume a 30% tax credit. Subject to final engineering, utility approval and incentive award.

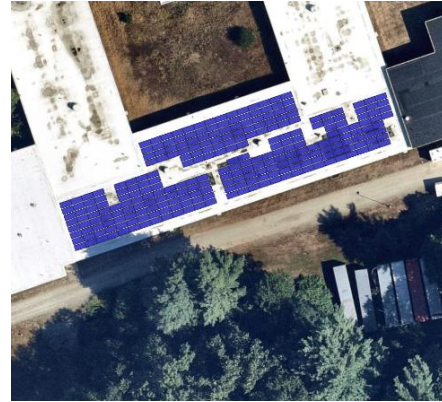


Blake Middle School Roof + Canopy - BTM

Solar Savings Summary

- Solar production (Year-1): 388,000kWh
- % of total usage: 104%
- PPA Term: 25 Years
- Savings + Taxes: \$476,827
- CO2 Offset: 5,100

125kW (DC)



288kW (DC)



Medfield High School

Solar Savings Summary

- Solar production (Year-1): 734,000kWh
- % of total usage: 64%
- PPA Term: 25 Years
- Savings + Taxes: \$676,729
- Term CO₂ Avoided (tons) : 8,300

Solar Design – 661.4kW (DC)



Solect Energy Development LLC – Confidential – Not for distribution

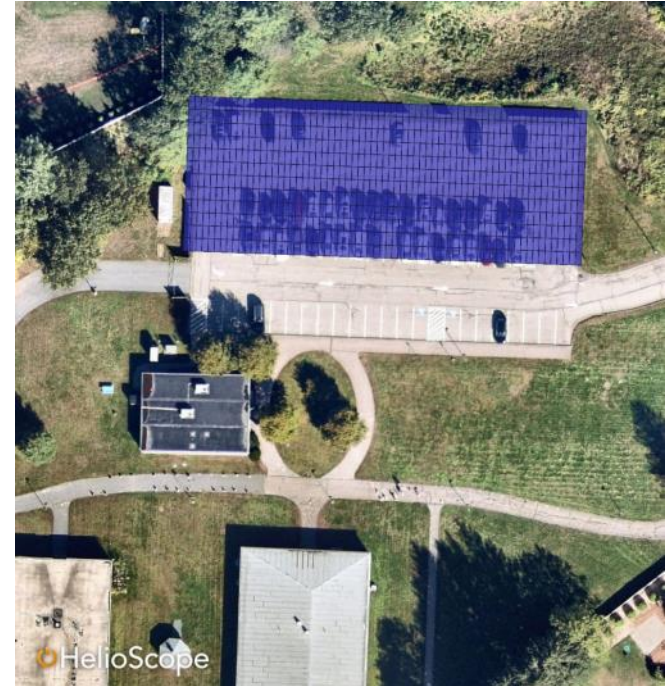


Medfield Memorial School - Canopy

Solar Savings Summary

- Solar production (Year-1): 388,000kWh
- % of total usage: 104%
- PPA Term: 25 Years
- Savings + Taxes: \$547,743
- CO2 Offset: 4,800

Solar Design – 370.5kW (DC)



Solect Energy Development LLC – Confidential – Not for distribution



Project Development Due Diligence & Next Steps

To secure the incentives and maximize the projects' savings, Solect recommends the following next steps in the diligence process which is required for applying for incentives and utility approval.

INTERCONNECTION AND INCENTIVE PROCESS:

- Letter of Intent
- Prepare electric engineering, submit SMART incentive applications and interconnection applications for each site. Utility response may require engineering studies.
- Contracts (PPA, Lease & Notice of Lease)
- Neighbor Engagement / Planning Board Introduction

STRUCTURAL AND SITE FEASIBILITY AND PERMITTING

- Structural and civil engineering and engage the Planning board to gain project approvals.

SYSTEM CONSTRUCTION & INSTALLATION

- Coordination with onsite staff for installation

SYSTEM OPERATION

- Solect Services monitoring and maintenance – included in PPA rate for entire term
- Educational Programming – monitoring, curriculum support, events
- Marketing / Communications / PR

Solect Energy Development LLC – Confidential – Not for distribution



Preliminary Public Relations Timeline

February 2023

- Introductory article in the Hometown Weekly published 2/2/23
- Develop a one-page handout on Solar Canopies
- Reach out to school principals, site councils
- Share project information (including design schematics) with the community, including abutters.
- Survey on Solar to Community

March/April 2023

- Public Presentations on Solar (one in person, on online)
- Solar Presentations to groups in town including Sustainable Medfield and New N Towne
- Movie Night featuring a movie on Solar Energy
- Medfield Energy Committee to collaborate with Sustainable Medfield and Medfield Environment Action and Schools to share information about the projects.

April 2023

- Medfield Energy Committee to collaborate with Medfield Environment Action and Schools to educate the community about the proposed solar projects and the vote that will be held at Town Meeting



December 5, 2022

Dear School Committee:

At Town Meeting 2021, Medfield residents voted to support “a goal of eliminating or offsetting all greenhouse gas emissions originating in the Town by the year 2050 or earlier (known hereafter as the Net Zero 2050 goal); and encourage[s].. all..Committees..to take action in the furtherance of Medfield’s Climate Goal by developing a Net Zero Action Plan..or do or act anything in relation thereto.” Since then, a draft of the TOMCAP has been developed. It was open for public comment from September 23rd to November 8th, 2022, and is now being finalized. As was decided at the Town Meeting in 2021, this plan gives direction to all town departments and committees for actions they can take to achieve the Net Zero 2050 goal.

One of the three main “pillars” or areas where changes are planned is in the use/adoption of “renewables.” This includes the installation and use of solar panels where possible. The (Renewables subgroup of the) Medfield Energy Committee has conducted a review of all town properties to prioritize areas where solar panels could be installed. The schools rise to the top of the list in terms of suitable sites. The projects under discussion are those that are in a position to move ahead now/in the near future.

We are asking the school committee to vote to allow Dr. Marsden to sign the Letters of Intent (LOIs) [note each project needs its own LOI]. This will allow Solect Energy, Medfield’s solar partner through the PowerOptions consortium, to do the further work required to finalize details about each project. This includes finalizing forecasted savings, reviewing the projects to see if they are consistent with Medfield’s zoning, are acceptable to the School Committee and the Medfield community and move Medfield toward its 2050 goals in an appropriate way.

There is some urgency to move forward. Both the SMART incentive and grid interconnection capacity are in limited supply and by moving forward this week, we can reserve Medfield’s place in both areas. Moving forward December 8th is a relatively straight-forward step to allow further development of the actual design of the proposed solar projects. With an actual design, we will have firm pricing information as well as design layouts and renderings that can be shared with the public.

To be clear, signing the Letters of Intent (LOIs), does not commit the School Committee to move forward with these projects. It firstly allows Medfield to get in line in the SMART program and grid interconnection queues (both decisions that impact the financial aspect of the project, are time-sensitive, and capacity-based) and also allows Solect to fully develop the proposals so the School Committee can make an informed decision.

After time to discuss the projects with the community, the expected timeframe to make a move-forward decision would be March/April 2023.

The packet that follows is designed to provide you with more information about the potential projects, timeline and PR effort the Medfield Energy Committee is proposing for the next few months around solar initiatives. Please feel free to reach out to Paul Fechtelkotter or Hilli Passas if you have any questions in advance of the meeting.

Thank you for your consideration of this vote and we hope you will move forward with a vote to have Dr. Marsden sign the LOIs so more information is available for a future decision.

The Medfield Energy Committee

School Committee Recommended Vote Language for December 8th, 2022

Vote 1: The School Committee authorizes the Superintendent of Medfield Public Schools to sign Letters of Intent with Solect Energy, under the PowerOptions membership, which are necessary for submitting the utility interconnection applications and the SMART application to finalize proposals for the financing, construction and operation of Power Purchase Agreement solar projects, and potentially energy storage projects, at the High School, Middle School and Memorial School.

Please note:

Each Project has a separate LOI, with the same language template but with different appendices specific to the siting of the project.

PROJECTS UNDER CONSIDERATION AT THIS TIME AT THE HIGH SCHOOL, MIDDLE SCHOOL AND MEMORIAL SCHOOL

- High School Parking Canopy
- Blake Middle School Parking Canopy
- Memorial School Parking Canopy
- Blake Middle School Rooftop system
- High School Bleacher Canopy
- Blake Middle School Sidewalk Canopy
- High School Gym Rooftop system (* new. Will be reviewed when roof is viable site)

PROJECTED SAVINGS

Assumptions and yearly details are available beginning on page 11.

Here are projected savings for the three PPA projects furthest along in development. Each project offers significant savings starting in year one.

Upon signing of the LOI, these numbers will be refined for all proposed projects.

Net Savings	Year One (2024)	25yr Net Savings
High School Canopy	\$51,942	\$1,973,114
Blake MS Canopy	\$31,216	\$1,127,203
Memorial Canopy	\$22,999	\$934,441
Total	\$106,157	\$4,034,758
Assumes LOI in 2022, conservative pricing assumptions (below) and installation in 2023/2024		

Please note: the PPA rates are informed by incentive and final engineering plans, so the PPA rate for each system will be updated accordingly throughout the process. The final rate will be included in the PPA agreement prior to signing.

Projected Project Schedule

- **December 2022**
 - School Committee Authorizes Dr. Marsden to sign LOIs
 - Article added to Town Warrant to authorize the School Committee to enter into power purchase agreements
- **January 2023**
 - Select to Submit for SMART (Solar Massachusetts Renewable Target Program) Award
 - Select files the ISA (Interconnection Service Agreement)
- **February 2023**
 - Discuss projects with the Planning Board and seek approvals as needed
 - Review and confirm the PPAs (Power Purchase Agreements) & Lease Terms
- **March/April 2023**
 - School committee review of and approval for individual projects to enter into PPA
 - SMART Award Approval (18 month expiration for public entities + 6 month extension)
 - Eversource Interconnection Approval (12 month expiration + 6 month extension)
- **May 2023**
 - Medfield Town Meeting (see example Warrant Article on Page 7)
 - PPA agreements signed
- **June 2024**
 - Installation commences/target completion for September 2024

Preliminary Public Relations Timeline

- **January 2023**
 - Article in the Hometown Weekly
- **February 2023**
 - Create a one-page handout on Solar Canopies
 - Share project information (including design schematics) with the community, including abutters.
 - Hold an in-person program about solar and canopies
- **March 2023**
 - Medfield Energy Committee to collaborate with Sustainable Medfield and Medfield Environment Action (and School Committee?) to share information about the projects.
- **April 2023**
 - Medfield Energy Committee to collaborate with Sustainable Medfield and Medfield Environment Action (and School Committee?) to educate the community about the proposed solar projects and the vote that will be held at Town Meeting

Likely Language Needed for Town Meeting

Note: this is the language from the 2021 Annual Town Meeting warrant authorizing the Board of Selectmen to enter into power purchase agreements for town-administered buildings. We expect the language to authorize the school committee to do the same, will be similar.

Article 18. To see if the Town will vote to authorize the Board of Selectmen, pursuant to MGL Chapter 59, Sec 38H enter into power purchase agreements for power generated by solar energy systems to be constructed at the Medfield DPW Town Garage at 55 North Meadows Road, former Landfill, or any other solar energy systems on Town-owned land or buildings, or do or act anything in relation thereto.

(Board of Selectmen)

This article provides the authority to the Board of Selectmen to negotiate and enter into power purchase agreements with solar developers for potential solar projects at the DPW Town Garage, former landfill, or other Town-owned land or buildings. A power purchase agreement is a commitment to purchase power produced by solar panels at a negotiated, reduced rate for a 20-year period, achieving savings on electricity over that time period.

**Board of Selectmen Recommends Passage
WARRANT COMMITTEE RECOMMENDS PASSAGE**

Examples of Canopies



Framingham Brophy Middle School



Stonehill College



Upper Cape Cod Tech



California School Canopy



Definitions of the Columns in the Financial Projections

Year	Solar Production (kWh)	Grid-Delivered Electricity Cost (\$/kWh)	Excess Generation	Savings from Excess Gen	On-Bill Savings from Solar	Electric Savings	Solar PPA Rate (\$/kWh)	PPA Payment	Net Savings
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Year – Years 1 – 25, Starting in 2024. PPA agreement would be for 25 years for canopies, 20 for roofs.

Solar Production kWh - How many kWh are generated each year based on system size. Declines each year about 0.5%/year.

Grid Delivered Electricity Cost – The cost to purchase electricity from the utility. This cost includes the supply and and delivery of each kwh of electricity (power choice options/constellation electricity plus per kwh charge from Eversource for delivery. Note: does not include demand charge).

Excess Generation – Amount of electricity that the panels will generate which exceeds the buildings' consumption. This is primarily expected to happen during higher production summer months. However, it will vary based on the schools' specific use and solar production.

Savings from Excess Gen – The benefit the school will receive for generating excess electricity and sending it back to the grid. This benefit is a lower rate than the grid-delivered electricity received by the school.

On-Bill Savings from Solar – The amount of electricity from the solar systems which is used by the school multiplied by the Grid-delivered electricity cost.

Electric Savings – Adds together the Savings from excess Gen and On-bill savings from solar for total benefit of the project.

Solar PPA Rate – the amount per kWh that the school will pay for electricity in all PPA years. This rate does not change and can be planned for in the budgeting process for kwh .

PPA Payment – the PPA rate times the Solar Production kWh. What the school will pay for the electricity supplied from the solar facility.

Net Savings – The difference between the new cost of electricity (PPA payment) and Electric Savings.

PRICING NOTES & ASSUMPTIONS

Grid-delivered electricity cost assumptions:

- High School and Blake Middle School are on rates B7
 - * 3 components Supply/Distribution/Demand
- Memorial School is rate B2
 - * 3 components Supply/Distribution/Demand but different structure
- Grid-delivered electricity costs that can be off-set by solar installations consist of supply rate and distribution rate
- Medfield has supply rate locked in until 12/2023 at \$0.0879
- Power Option projected supply rate range for 2024: use **\$0.13 for conservative modeling**, assuming a **2% growth annually thereafter**. Current price (11.28.2022) = ~\$.145,
- Current open market fixed supply rate at HS B7 rate: \$0.30613; Memorial B2 rate: \$0.17827
- Distribution rates that can be off-set by solar projects vary by school and are periodically adjusted. HS building has B7 rate, currently at \$0.02787, Memorial B2 rate, currently at \$0.04237(Oct-May); previously \$0.04433 (June-Sept)

PRICING NOTES & ASSUMPTIONS (Continued)

Eversource Distribution Rates Source

https://www.eversource.com/content/docs/default-source/rates-tariffs/ema-greater-boston-rates.pdf?sfvrsn=c27ef362_58

Eversource Generation Rates Source

<https://author.eversource.com/content/ema-c/business/account-billing/manage-bill/about-your-bill/rates-tariffs/electric-supply-rates>

Other assumptions:

- 40% Federal Tax Credit
- SMART Incentive Rates are subject to change based on Value of Energy. Please note, the PPA rates are informed by incentive and final engineering plans, so the PPA rate for each system will be updated accordingly throughout the process. The final rate will be included in the PPA agreement prior to signing.
- Final PPA rate is subject to final canopy design, engineering, incentives and utility approval.
- Open Shop Labor
- Installation dates to vary based on coordination with Medfield Public School's calendar
- If we did not do a PPA and instead built and operated the projects ourselves, what would the Capital cost for ownership be?
 - High School = ~\$2.3 Million
 - Blake Middle School = ~\$1.32 Million
 - Memorial School = ~\$1.37 Million

Block 7

Total	\$1,973,114
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Total	\$1,866,205
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Blake Middle School - Canopy - Block 7

Year	Solar Production (kWh)	Grid-Delivered Electricity Cost (\$/kWh)	Excess Generation	Savings from Excess Gen	On-Bill Savings from Solar	Electric Savings	Solar PPA Rate (\$/kWh)	PPA Payment	Net Savings
1	397,624	\$0.1579	21,648	\$2,400	\$59,355	\$61,755	\$0.0768	\$30,540	\$31,216
2	395,437	\$0.1610	21,529	\$2,434	\$60,209	\$62,644	\$0.0768	\$30,372	\$32,272
3	393,262	\$0.1642	21,411	\$2,469	\$61,076	\$63,545	\$0.0768	\$30,205	\$33,341
4	391,099	\$0.1675	21,293	\$2,505	\$61,955	\$64,460	\$0.0768	\$30,038	\$34,421
5	388,948	\$0.1709	21,176	\$2,541	\$62,846	\$65,387	\$0.0768	\$29,873	\$35,514
6	386,809	\$0.1743	21,059	\$2,578	\$63,751	\$66,328	\$0.0768	\$29,709	\$36,619
7	384,681	\$0.1778	20,943	\$2,615	\$64,668	\$67,283	\$0.0768	\$29,546	\$37,737
8	382,566	\$0.1813	20,828	\$2,652	\$65,599	\$68,251	\$0.0768	\$29,383	\$38,868
9	380,461	\$0.1850	20,714	\$2,691	\$66,542	\$69,233	\$0.0768	\$29,221	\$40,012
10	378,369	\$0.1887	20,600	\$2,729	\$67,500	\$70,229	\$0.0768	\$29,061	\$41,169
11	376,288	\$0.1924	20,486	\$2,768	\$68,471	\$71,240	\$0.0768	\$28,901	\$42,339
12	374,218	\$0.1963	20,374	\$2,808	\$69,457	\$72,265	\$0.0768	\$28,742	\$43,523
13	372,160	\$0.2002	20,262	\$2,849	\$70,456	\$73,305	\$0.0768	\$28,584	\$44,721
14	370,113	\$0.2042	20,150	\$2,890	\$71,470	\$74,360	\$0.0768	\$28,427	\$45,933
15	368,078	\$0.2083	20,039	\$2,931	\$72,498	\$75,430	\$0.0768	\$28,270	\$47,160
16	366,053	\$0.2125	19,929	\$2,974	\$73,542	\$76,515	\$0.0768	\$28,115	\$48,400
17	364,040	\$0.2167	19,820	\$3,016	\$74,600	\$77,616	\$0.0768	\$27,960	\$49,656
18	362,038	\$0.2211	19,711	\$3,060	\$75,673	\$78,733	\$0.0768	\$27,806	\$50,927
19	360,046	\$0.2255	19,602	\$3,104	\$76,762	\$79,866	\$0.0768	\$27,653	\$52,213
20	358,066	\$0.2300	19,494	\$3,148	\$77,867	\$81,015	\$0.0768	\$27,501	\$53,514
21	356,097	\$0.2346	19,387	\$3,194	\$78,988	\$82,181	\$0.0768	\$27,350	\$54,831
22	354,138	\$0.2393	19,281	\$3,240	\$80,124	\$83,364	\$0.0768	\$27,200	\$56,164
23	352,190	\$0.2441	19,175	\$3,286	\$81,277	\$84,563	\$0.0768	\$27,050	\$57,513
24	350,253	\$0.2489	19,069	\$3,334	\$82,447	\$85,780	\$0.0768	\$26,901	\$58,879
25	348,327	\$0.2539	18,964	\$3,382	\$83,633	\$87,015	\$0.0768	\$26,753	\$60,261
								Total	\$1,127,203

Blake Middle School - Canopy - Block 8

Year	Solar Production (kWh)	Grid-Delivered Electricity Cost (\$/kWh)	Excess Generation	Savings from Excess Gen	On-Bill Savings from Solar	Electric Savings	Solar PPA Rate (\$/kWh)	PPA Payment	Net Savings
1	397,624	\$0.1579	21,648	\$2,400	\$59,355	\$61,755	\$0.0842	\$33,480	\$28,275
2	395,437	\$0.1610	21,529	\$2,434	\$60,209	\$62,644	\$0.0842	\$33,296	\$29,348
3	393,262	\$0.1642	21,411	\$2,469	\$61,076	\$63,545	\$0.0842	\$33,113	\$30,433
4	391,099	\$0.1675	21,293	\$2,505	\$61,955	\$64,460	\$0.0842	\$32,931	\$31,529
5	388,948	\$0.1709	21,176	\$2,541	\$62,846	\$65,387	\$0.0842	\$32,750	\$32,638
6	386,809	\$0.1743	21,059	\$2,578	\$63,751	\$66,328	\$0.0842	\$32,569	\$33,759
7	384,681	\$0.1778	20,943	\$2,615	\$64,668	\$67,283	\$0.0842	\$32,390	\$34,892
8	382,566	\$0.1813	20,828	\$2,652	\$65,599	\$68,251	\$0.0842	\$32,212	\$36,039
9	380,461	\$0.1850	20,714	\$2,691	\$66,542	\$69,233	\$0.0842	\$32,035	\$37,198
10	378,369	\$0.1887	20,600	\$2,729	\$67,500	\$70,229	\$0.0842	\$31,859	\$38,371
11	376,288	\$0.1924	20,486	\$2,768	\$68,471	\$71,240	\$0.0842	\$31,684	\$39,556
12	374,218	\$0.1963	20,374	\$2,808	\$69,457	\$72,265	\$0.0842	\$31,509	\$40,756
13	372,160	\$0.2002	20,262	\$2,849	\$70,456	\$73,305	\$0.0842	\$31,336	\$41,969
14	370,113	\$0.2042	20,150	\$2,890	\$71,470	\$74,360	\$0.0842	\$31,164	\$43,196
15	368,078	\$0.2083	20,039	\$2,931	\$72,498	\$75,430	\$0.0842	\$30,992	\$44,438
16	366,053	\$0.2125	19,929	\$2,974	\$73,542	\$76,515	\$0.0842	\$30,822	\$45,693
17	364,040	\$0.2167	19,820	\$3,016	\$74,600	\$77,616	\$0.0842	\$30,652	\$46,964
18	362,038	\$0.2211	19,711	\$3,060	\$75,673	\$78,733	\$0.0842	\$30,484	\$48,250
19	360,046	\$0.2255	19,602	\$3,104	\$76,762	\$79,866	\$0.0842	\$30,316	\$49,550
20	358,066	\$0.2300	19,494	\$3,148	\$77,867	\$81,015	\$0.0842	\$30,149	\$50,866
21	356,097	\$0.2346	19,387	\$3,194	\$78,988	\$82,181	\$0.0842	\$29,983	\$52,198
22	354,138	\$0.2393	19,281	\$3,240	\$80,124	\$83,364	\$0.0842	\$29,819	\$53,545
23	352,190	\$0.2441	19,175	\$3,286	\$81,277	\$84,563	\$0.0842	\$29,655	\$54,909
24	350,253	\$0.2489	19,069	\$3,334	\$82,447	\$85,780	\$0.0842	\$29,491	\$56,289
25	348,327	\$0.2539	18,964	\$3,382	\$83,633	\$87,015	\$0.0842	\$29,329	\$57,685
								Total	\$1,058,345

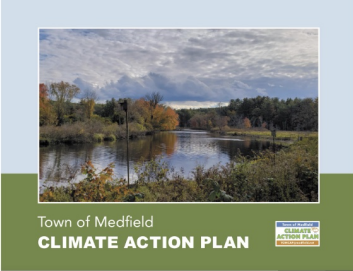
Memorial Elementary School - Canopy - Block 7

Year	Solar Production (kWh)	Grid-Delivered Electricity Cost (\$/kWh)	Excess Generation	Savings from Excess Gen	On-Bill Savings from Solar	Electric Savings	Solar PPA Rate (\$/kWh)	PPA Payment	Net Savings
1	391,435	\$0.1700	81,088	\$8,941	\$52,759	\$61,700	\$0.0989	\$38,701	\$22,999
2	389,282	\$0.1734	80,642	\$9,069	\$53,518	\$62,588	\$0.0989	\$38,488	\$24,100
3	387,141	\$0.1769	80,199	\$9,200	\$54,288	\$63,488	\$0.0989	\$38,276	\$25,212
4	385,012	\$0.1804	79,757	\$9,332	\$55,070	\$64,402	\$0.0989	\$38,065	\$26,336
5	382,894	\$0.1840	79,319	\$9,467	\$55,862	\$65,329	\$0.0989	\$37,856	\$27,473
6	380,788	\$0.1877	78,883	\$9,603	\$56,666	\$66,269	\$0.0989	\$37,648	\$28,621
7	378,694	\$0.1914	78,449	\$9,741	\$57,481	\$67,222	\$0.0989	\$37,441	\$29,781
8	376,611	\$0.1953	78,017	\$9,881	\$58,308	\$68,190	\$0.0989	\$37,235	\$30,955
9	374,540	\$0.1992	77,588	\$10,023	\$59,147	\$69,171	\$0.0989	\$37,030	\$32,141
10	372,480	\$0.2032	77,161	\$10,168	\$59,999	\$70,166	\$0.0989	\$36,826	\$33,340
11	370,431	\$0.2072	76,737	\$10,314	\$60,862	\$71,176	\$0.0989	\$36,624	\$34,552
12	368,394	\$0.2114	76,315	\$10,462	\$61,738	\$72,200	\$0.0989	\$36,422	\$35,778
13	366,368	\$0.2156	75,895	\$10,613	\$62,626	\$73,239	\$0.0989	\$36,222	\$37,017
14	364,353	\$0.2199	75,478	\$10,766	\$63,527	\$74,293	\$0.0989	\$36,023	\$38,270
15	362,349	\$0.2243	75,063	\$10,921	\$64,442	\$75,362	\$0.0989	\$35,825	\$39,537
16	360,356	\$0.2288	74,650	\$11,078	\$65,369	\$76,447	\$0.0989	\$35,628	\$40,819
17	358,374	\$0.2334	74,239	\$11,237	\$66,310	\$77,547	\$0.0989	\$35,432	\$42,115
18	356,403	\$0.2380	73,831	\$11,399	\$67,264	\$78,663	\$0.0989	\$35,237	\$43,426
19	354,443	\$0.2428	73,425	\$11,563	\$68,232	\$79,794	\$0.0989	\$35,043	\$44,751
20	352,493	\$0.2477	73,021	\$11,729	\$69,214	\$80,943	\$0.0989	\$34,850	\$46,092
21	350,555	\$0.2526	72,619	\$11,898	\$70,209	\$82,107	\$0.0989	\$34,659	\$47,449
22	348,627	\$0.2577	72,220	\$12,069	\$71,220	\$83,289	\$0.0989	\$34,468	\$48,821
23	346,709	\$0.2628	71,823	\$12,243	\$72,245	\$84,488	\$0.0989	\$34,279	\$50,209
24	344,802	\$0.2681	71,428	\$12,419	\$73,284	\$85,703	\$0.0989	\$34,090	\$51,613
25	342,906	\$0.2734	71,035	\$12,598	\$74,339	\$86,937	\$0.0989	\$33,903	\$53,034
Total									\$934,441

Memorial Elementary School - Canopy - Block 8

Year	Solar Production (kWh)	Grid-Delivered Electricity Cost (\$/kWh)	Excess Generation	Savings from Excess Gen	On-Bill Savings from Solar	Electric Savings	Solar PPA Rate (\$/kWh)	PPA Payment	Net Savings
1	391,435	\$0.1700	81,088	\$8,941	\$52,759	\$61,700	\$0.1063	\$41,595	\$20,105
2	389,282	\$0.1734	80,642	\$9,069	\$53,518	\$62,588	\$0.1063	\$41,366	\$21,221
3	387,141	\$0.1769	80,199	\$9,200	\$54,288	\$63,488	\$0.1063	\$41,139	\$22,349
4	385,012	\$0.1804	79,757	\$9,332	\$55,070	\$64,402	\$0.1063	\$40,913	\$23,489
5	382,894	\$0.1840	79,319	\$9,467	\$55,862	\$65,329	\$0.1063	\$40,688	\$24,641
6	380,788	\$0.1877	78,883	\$9,603	\$56,666	\$66,269	\$0.1063	\$40,464	\$25,805
7	378,694	\$0.1914	78,449	\$9,741	\$57,481	\$67,222	\$0.1063	\$40,241	\$26,981
8	376,611	\$0.1953	78,017	\$9,881	\$58,308	\$68,190	\$0.1063	\$40,020	\$28,170
9	374,540	\$0.1992	77,588	\$10,023	\$59,147	\$69,171	\$0.1063	\$39,800	\$29,371
10	372,480	\$0.2032	77,161	\$10,168	\$59,999	\$70,166	\$0.1063	\$39,581	\$30,585
11	370,431	\$0.2072	76,737	\$10,314	\$60,862	\$71,176	\$0.1063	\$39,363	\$31,813
12	368,394	\$0.2114	76,315	\$10,462	\$61,738	\$72,200	\$0.1063	\$39,147	\$33,053
13	366,368	\$0.2156	75,895	\$10,613	\$62,626	\$73,239	\$0.1063	\$38,931	\$34,308
14	364,353	\$0.2199	75,478	\$10,766	\$63,527	\$74,293	\$0.1063	\$38,717	\$35,576
15	362,349	\$0.2243	75,063	\$10,921	\$64,442	\$75,362	\$0.1063	\$38,504	\$36,858
16	360,356	\$0.2288	74,650	\$11,078	\$65,369	\$76,447	\$0.1063	\$38,293	\$38,154
17	358,374	\$0.2334	74,239	\$11,237	\$66,310	\$77,547	\$0.1063	\$38,082	\$39,465
18	356,403	\$0.2380	73,831	\$11,399	\$67,264	\$78,663	\$0.1063	\$37,873	\$40,790
19	354,443	\$0.2428	73,425	\$11,563	\$68,232	\$79,794	\$0.1063	\$37,664	\$42,130
20	352,493	\$0.2477	73,021	\$11,729	\$69,214	\$80,943	\$0.1063	\$37,457	\$43,486
21	350,555	\$0.2526	72,619	\$11,898	\$70,209	\$82,107	\$0.1063	\$37,251	\$44,856
22	348,627	\$0.2577	72,220	\$12,069	\$71,220	\$83,289	\$0.1063	\$37,046	\$46,243
23	346,709	\$0.2628	71,823	\$12,243	\$72,245	\$84,488	\$0.1063	\$36,842	\$47,645
24	344,802	\$0.2681	71,428	\$12,419	\$73,284	\$85,703	\$0.1063	\$36,640	\$49,064
25	342,906	\$0.2734	71,035	\$12,598	\$74,339	\$86,937	\$0.1063	\$36,438	\$50,498
Total									\$866,655

SELECTED SLIDES FROM THE NOVEMBER 17 SCHOOL COMMITTEE MEETING



Town of Medfield
CLIMATE ACTION PLAN

Medfield's Net Zero 2050 Goal
Medfield Town Meeting, May 14th, 2021

Therefore, the Town of Medfield supports a goal of eliminating or offsetting all greenhouse gas emissions originating in the Town by the year 2050 or earlier (known hereafter as the Net Zero 2050 goal); and encourages the Board of Selectmen, **all Town Boards and Committees**, and residents and businesses **to take action in the furtherance of Medfield's Climate Goal** by developing a Net Zero Action Plan by March 2022 that outlines specific strategies and sets measurable, attainable and realistic interim targets aligned with State and Federal goals, roadmaps and incentives; or **do or act anything in relation thereto**.

<https://www.town.medfield.net/DocumentCenter/View/6562/TOMCAP-2022-DRAFT-09-23-22-posted-pdf>

Why install solar at the schools?



- Schools have custody over the largest buildings and areas that can be use for solar
- Reduce greenhouse gas emissions
- Off-set energy use in schools
- Save money and stabilize future expenses
- Create a visible reminder that the schools intend to be part of a climate solution
- Help counteract climate anxiety and improve mental health in children of every age

MEC recommends signing the Letter of Intent

No commitment LOI



Secures a spot with Eversource in the
INTERCONNECTION queue

Secures a spot in the current SMART block

Allows SOLECT to start design and planning

Allows time for the MEC to educate the public
about this project

Provide an opportunity in the spring for the School
Committee to confirm moving forward

Citizen's Petition – Citizen Request for School Committee Public Hearings

Lead Petitioner: Christine McCue Potts

Article 30 – as written in Warrant booklet

To see if the Town will vote to:

Amend Town Charter Section 5, Article 5-2 School Committee Powers and Duties, or create a new town bylaw under Chapter 10, Boards, Commissions, Committees and Councils, that would require a quorum of Medfield School Committee members to hold a public hearing, **if not already required by law and scheduled within 30 days**, on a topic within its scope of authority if requested in writing by at least **25 registered Medfield voters** with signatures verified by the Town Clerk.

The hearing shall be held not less than 14 days after publication of a notice thereof in a newspaper having general circulation in the town.

At least 48 hours prior to such public hearing, School Committee shall make available to the public via electronic means its meeting packet containing relevant documents for the hearing.

At the time and place of the hearing, as properly advertised, all interested persons shall be given the opportunity to be heard on the topic at hand under School Committee authority, which primarily concerns the school budget, superintendent performance, and district educational goals and policies.

Requests for a hearing related to school personnel (other than the superintendent) or students will be generally prohibited.

Or take any other action in relation thereto.

Background information (revised Feb. 28, 2023):

Through existing policy, Medfield School Committee confirms it has the freedom to conduct a public hearing “as it deems advisable.” However, there is no language in existing school policy that defines how the committee is to be advised, i.e., the process by which it will confirm a particular topic needs public input and discussion via a hearing. School Committee members are elected by voters to represent the citizens of Medfield. As such, the most effective way to determine if a public hearing is truly needed is for School Committee to listen and respond to feedback from many of its constituents. This citizen’s petition is especially important now that it has become even more difficult for citizens to secure items on the agenda for regular school committee meetings.

Reference for Article: MGL Chapter 71, Section 38N

Petitioner motion information:

In response to a Warrant Committee affirmative or negative main motion (i.e., to accept/recommend or dismiss the article), the ATM 2023 motion would be to call for an amendment and town acceptance of Article 30 as follows:

“I move that the town accept Article 30 as written in the Warrant booklet with the following amendment in the first paragraph: That the article would amend (*either Town Charter Section 5, Article 5-2 School Committee Powers and Duties or create a new town bylaw under Chapter 10, Boards, Commissions, Committees and Councils*), to require a quorum of Medfield School Committee members to hold a public hearing, **if not already required by law and scheduled within 30 days**, on a topic within its scope of authority if requested in writing by at least **25 registered Medfield voters** with signatures verified by the Town Clerk.

This motion calls for no other amendments to Article 30 as written in the Warrant booklet.”

I move to amend the Code of the Town of Medfield, Chapter 10 Boards, Commissions, Committees and Councils, Article I Administration by adding a new paragraph 10-8 Contents of Annual Report:

The Annual Report shall include the wages, salaries, or other compensation of all Town employees.

And re-numbering the succeeding paragraph.