



The Whitman Middle School Project

School Building Committee // February 25, 2025



Project Leaders

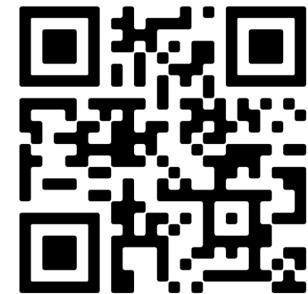


Agenda

// Review of Add-Alternates - **VOTE**

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Whitman Middle School
Project Website



Review of Add-Alternates

The following Life Cycle Cost Analysis was revised as requested by the Committee at the 2/13/25 meeting:

// Use an interest rate of 4.5%

// Use a term of 30-years



Bid Results

Whitman Middle School MSBA ID: 201907800310

Ai3 Architect PROJECT NUMBER : 2203.00

FILED SUB-BID TABULATION

Contractor	Base Bid (General Bid)	Add-Alternate 1a <i>Roof PV + BESS</i>	Subtotal Bid (Base + 1a)	Add-Alternate 1b <i>Canopy PV</i>	Total Bid (Base + 1a + 1b)
GENERAL CONTRACTOR					
Fontaine Bros. Inc.	\$91,076,000	\$2,392,500	\$93,468,500	\$2,274,095	\$95,742,595
Bacon Construction	\$96,151,700	\$1,830,000	\$97,981,700	\$1,739,000	\$99,720,700
Brait Builders Corp.	\$97,900,000	\$1,781,000	\$99,681,000	\$1,699,800	\$101,380,800

// Lowest **Base Bid, Subtotal & Total Bids** (General Contractor) = Fontaine Bros. Inc.

PV System Life Cycle Assessment

FONTAINE BROS. INC.
w/ Green Electric

Add-Alternates #1a + #1b Compared over 30 years (@ 4.500% Rate)

		Baseline <i>No Add-Alternates</i>	Add-Alternate 1a <i>Roof PV + BESS</i>	Add-Alternate 1a+1b <i>Roof PV + BESS + Canopy PV</i>
COSTS				
One-Time Installation Cost	(\$)	-	(\$2,392,500)	(\$4,666,695)
Install Cost + Loan (30 yrs @ 4.500%)	(\$)	-	(\$4,061,269)	(\$7,921,715)
Replacement Cost	(\$/10yr)	-	(\$38,455)	(\$78,175)
Operation & Maintenance Cost	(\$/yr)	-	(\$9,500)	(\$19,310)
Total Life Cycle Cost (Includes escalation)	(\$/30yr)	(\$4,828,350)	(\$7,280,160)	(\$9,694,290)
SAVINGS				
Estimated Utility Energy Savings (Includes Net Metering)	(\$/yr)	(\$254,400)	\$104,000	\$202,500
Estimated Additional Incentives (SMART** and ConnectedSolutions)	(\$/yr)	-	\$64,915	\$123,345
Total Life Cycle Cost Savings	(\$/30yr)	-	(\$2,451,810)	(\$4,865,940)
(w/ IRA Funding)*			(\$1,074,110)	(\$2,172,430)
Payback Period		-	N/A (>30 years) ●	N/A (>30 years) ●
(w/ IRA Funding)*		-	N/A (>30 years) ●	N/A (>30 years) ●

*As of Jan. 30, 2025, energy tax credits through the IRA remain available

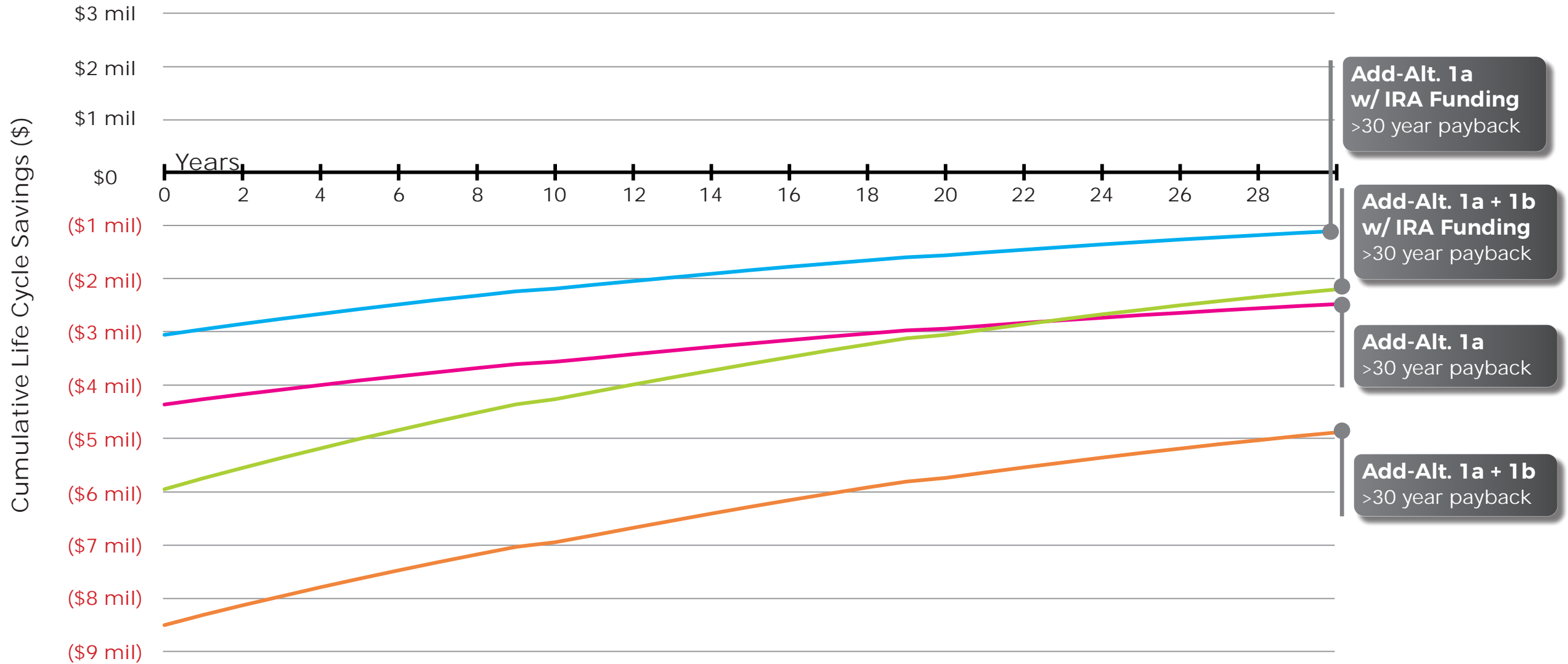
(Source: <https://www.undauntedk12.org/ourwork/an-update-on-federal-funding-for-school-infrastructure>)

**Beginning in 2025, the block capacity rates that determine SMART incentives for projects >25kW will be determined annually by MA DOER.

PV System Life Cycle Assessment

FONTAINE BROS. INC.
w/ Green Electric

Add-Alternates #1a + #1b Compared over 30 years (@ 4.500% Rate)



Review of Solar Renewable Add-Alternates

Vote to Accept or Decline



What is the **School Building Committee** being asked to **APPROVE**?

VOTE to award the contract to Fontaine Bros. Inc. (*with/without*) Add-Alternate #1a (*and with/without*) Add-Alternate #1b

Note, Add-Alternates must be accepted in the order they were listed on the bid (1b cannot be accepted without 1a)



Questions?

Thank you

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