

Option D (Energy, New UVS at HS

EE= Energy Efficiency
EL= End of life
CR= Code Required
AQ= Air Quality
FE =Facility
Enhancement

Measure	Description	Cost	Savings	Rebate	Reason for Consideration
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Green Mountain Union High School

ECM 1	Boilers (Oil to Propane)	\$665,000	\$9,500		EE, EL
ECM 2A	New Unit Ventilators (Direct Replacement)	\$1,855,000	\$13,700		EE, EL, AQ
ECM 2B	Remove UV's and Add ERV's w/ Perimeter Heat				EE, EL, AQ
ECM 3	Infill windows atUV				EE, EL
ECM 4	Controls Upgrade	\$695,000		\$10,000	EE, EL, AQ
ECM 5	Demo Oil Tank and Lines	\$128,000			EL
ECM 6	LED Lighting	\$500,000	\$30,650	\$13,000	EE
ECM 7	Electrical Transformers	\$125,000	\$8,800	\$3,000	EE
ECM 8	Fire Alarm Panel	\$150,000			EL
ECM 9	Kitchen Renovation				EL
ECM 10	New Elevator				CR, EL
ECM 11	Fire Doors and Railings (Code Issues)				CR
ECM 12	Solar PV (100 kW)				
ECM 13	Sprinkler System				
ECM 14	Ceilings and asbesos where required				EL
ECM 15	Millwork Carpentry				EL
ECM 16	Bathroom Floors				EL
ECM 17	Brick Repointing				EL
ECM 18	Electrical Service Upgrade	\$700,000			EL
ECM 19	Pavement & Layout Modifications				EL
ECM 20	ADA Requirements	\$200,000			CR
ECM 21	Storage Shed				EL
ECM 22	Outdoor Classroom Pavilion				FE
ECM 23	Locker Room Renovation to Nurses				FE
ECM 24	Softball Field				FE
Total		\$5,018,000	\$62,650	\$26,000	

Chester Andover Elementary School

ECM 1	Replace Federal Pacific Sub Panels	\$200,000			EL, EE
ECM 2	Fire Alarm Panel	\$125,000			EL, EE
ECM 3	Replace Windows				EL, EE
ECM 4	Gym ERU	\$225,000	\$2,500		EE, EL, AQ
ECM 5	LED Lighting	\$115,000	\$2,750	\$11,000	EE, EL
ECM 6	Add Fire Suppression				CR
ECM 7	Convert from Oil to Propane				
ECM 8	Kitchen Ansul System and Make Up				CR
ECM 9a	Ventilation Upgrades	\$815,000			EL, EE, AQ
ECM 9b	Controls upgrade	\$173,000			EE
ECM 10	Add Lift to Stage				CR
ECM 11	Nurse Renovation				
ECM 12	Floor at Café				
ECM 13	Replace Ceiling Tiles				FE
ECM 14	Fire Safing				CR
ECM 16	Pavement & Bus Drop Off Modifications				
ECM 17	Classroom Addition & Renovation				FE
ECM 18	Gym Addition				FE
Total w/ Additions		\$1,653,000	\$5,250	\$11,000	

Cavendish Elementary School

ECM 1	LED lighting	\$68,000	\$1,300	\$5,500	EE
ECM 2	Condensing Boilers	\$390,000	\$10,000		EL, EE
ECM 3	Remove UV's and Add ERV's w/ Perimeter Heat				EL, EE, AQ
ECM 4	Remove Underground Oil Tank	\$40,000			EE
ECM 5	Insulation and Weatherization	\$35,000	\$4,500		EE
ECM 6	Controls and Drives	\$62,000		\$3,000	EE
ECM 7	Finish (Flooring, Exterior Painting & Ceilings)				FE
ECM 8	Fire Alarm	\$75,000			FE
ECM 9	Solar Array				
ECM 10	Playground				
Total		\$670,000	\$15,800	\$8,500	
District Total		\$7,341,000	\$83,700	\$45,500	

Option D - The "strictly energy" option focuses on updating HVAC & electrical systems. This option addresses failing equipment and replacing it with "like kind" equipment. It updates the controls and provides a more reliable HVAC system from a maintenance stand point. This option does not address any of the of "bigger picture" issues like the integral windows, hazerdous materials, and code deficiencies. This option could make future renovations at the school more costly and limits options for modifications to the floor plan & windows.