Preliminary Project Budgets

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

					Enhancement
Measure	Description	Cost	Savings	Rebate	Reason for
					Consideration
Freen Moun	tain Union High School				
ECM 1	Boilers + Kitchen Conversion (Oil to Propane)	\$960,000	\$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	\$4,900,000	\$6,000		EE, EL, AQ
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ECM 3	Replace Windows	\$1,300,000			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	\$570,000			EL
ECM 10	New Elevator	\$300,000			CR, EL
ECM 11	Fire Doors and Railings (Code Issues)	\$650,000			CR
ECM 12	Solar PV (100 kW)	\$250,000	\$15,000		EE
ECM 13	Sprinkler System	\$500,000	4,		CR possible
ECM 14	Ceiling, Painting, Asbestos and Flooring	\$2,100,000			EL
ECM 15	Millwork Carpentry	\$300,000			EL
ECM 16	Bathroom Floors	\$75,000			EL
ECM 17	Brick Repointing	\$125,000			EL
ECM 18	Electrical Service Upgrade	\$700,000			EL
ECM 18	Pavement & Layout Modifications	\$1,000,000			EL
ECM 19 ECM 20	ADA Requirements	\$1,000,000			
ECM 20 ECM 21		\$200,000			CR
ECM 21 ECM 22	Storage Shed Outdoor Classroom Pavilion	•			EL
ECM 22 ECM 23		\$150,000			FE
	Locker Room Renovation to Nurses	\$440,000			FE
ECM 24	Softball Field	\$200,000	A== <=0		FE
	Total w/ ECM 2A	\$13,348,000	\$77,650	\$26,000	
	Total w/ ECM 2B	\$16,393,000	\$69,950	\$26,000	
~	TI				
	over 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	\$578,000			EL, EE
ECM 4	Gym ERU	\$225,000	\$2,500		EE, EL, AQ
ECM 5	LED Lighting	\$115,000	\$2,750	\$11,000	•
ECM 6	Add Fire Suppression	\$250,000			CR
ECM 7	Convert from Oil to Propane	\$100,000	\$7,000		EE
ECM 8	Kitchen Ansul System and Make Up	\$172,000			CR
ECM 9a	Ventilation Upgrades	\$815,000			EL, EE, AQ
ECM 9b	Controls upgrade	\$173,000			EE
ECM 10	Add Lift to Stage	\$75,000			CR
ECM 11	Nurse Renovation	\$125,000			FE
ECM 12	Floor at Café	\$38,000			FE
ECM 13	Replace Ceiling Tiles	\$200,000			FE
ECM 14	ADA and Fire Safety	\$375,000			CR
ECM 16	Pavement & Bus Drop Off Modifications	\$350,0001			IFF.
	Pavement & Bus Drop Off Modifications Classroom Addition & Renovation	\$350,000 \$4,550,000	\$12.250	\$11,000	FE FF
ECM 16 ECM 17	Classroom Addition & Renovation	\$4,550,000	\$12,250	\$11,000	FE
	Classroom Addition & Renovation Gym Addition	\$4,550,000 \$1,750,000			
ECM 17	Classroom Addition & Renovation Gym Addition Total w/ Additions	\$4,550,000 \$1,750,000 \$10,216,000	\$24,500	\$22,000	FE
ECM 17	Classroom Addition & Renovation Gym Addition	\$4,550,000 \$1,750,000			FE
ECM 17 ECM 18	Classroom Addition & Renovation Gym Addition Total w/ Additions Total w/out Additions	\$4,550,000 \$1,750,000 \$10,216,000	\$24,500	\$22,000	FE
ECM 17 ECM 18 Cavendish E	Classroom Addition & Renovation Gym Addition Total w/ Additions Total w/out Additions lementary School	\$4,550,000 \$1,750,000 \$10,216,000 \$3,916,000	\$24,500 \$49,000	\$22,000 \$44,000	FE FE
ECM 17 ECM 18 Cavendish E	Classroom Addition & Renovation Gym Addition Total w/ Additions Total w/out Additions lementary School LED lighting	\$4,550,000 \$1,750,000 \$10,216,000 \$3,916,000	\$24,500 \$49,000 \$1,300	\$22,000	FE FE EE
ECM 17 ECM 18 Cavendish E ECM 1 ECM 2	Classroom Addition & Renovation Gym Addition Total w/ Additions Total w/out Additions lementary School LED lighting Condensing Boilers	\$4,550,000 \$1,750,000 \$10,216,000 \$3,916,000 \$68,000 \$390,000	\$24,500 \$49,000	\$22,000 \$44,000	FE FE EE EL, EE
ECM 17 ECM 18 Cavendish E ECM 1 ECM 2 ECM 3	Classroom Addition & Renovation Gym Addition Total w/ Additions Total w/out Additions lementary School LED lighting Condensing Boilers Remove UV's and Add ERV's w/ Perimeter Heat	\$4,550,000 \$1,750,000 \$10,216,000 \$3,916,000 \$68,000 \$390,000 \$750,000	\$24,500 \$49,000 \$1,300	\$22,000 \$44,000	FE FE EE EL, EE EL, EE, AQ
Cavendish E ECM 1 ECM 1 ECM 1 ECM 2 ECM 3 ECM 4	Classroom Addition & Renovation Gym Addition Total w/ Additions Total w/out Additions lementary School LED lighting Condensing Boilers Remove UV's and Add ERV's w/ Perimeter Heat Remove Underground Oil Tank	\$4,550,000 \$1,750,000 \$10,216,000 \$3,916,000 \$3,916,000 \$390,000 \$750,000 \$40,000	\$24,500 \$49,000 \$10,000	\$22,000 \$44,000	FE FE EE EL, EE EL, EE, AQ EE
Cavendish E ECM 1 ECM 1 ECM 1 ECM 1 ECM 2 ECM 3 ECM 4 ECM 5	Classroom Addition & Renovation Gym Addition Total w/ Additions Total w/out Additions lementary School LED lighting Condensing Boilers Remove UV's and Add ERV's w/ Perimeter Heat Remove Underground Oil Tank Insulation and Weatherization	\$4,550,000 \$1,750,000 \$10,216,000 \$3,916,000 \$3,90,000 \$750,000 \$40,000 \$35,000	\$24,500 \$49,000 \$1,300	\$22,000 \$44,000 \$5,500	FE FE EE EL, EE EL, EE, AQ EE EE
Cavendish E CCM 1 CCM 1 CCM 1 CCM 2 CCM 3 CCM 4 CCM 5 CCM 6	Classroom Addition & Renovation Gym Addition Total w/ Additions Total w/out Additions Iementary School LED lighting Condensing Boilers Remove UV's and Add ERV's w/ Perimeter Heat Remove Underground Oil Tank Insulation and Weatherization Controls and Drives	\$4,550,000 \$1,750,000 \$10,216,000 \$3,916,000 \$3,916,000 \$390,000 \$750,000 \$40,000 \$35,000 \$62,000	\$24,500 \$49,000 \$10,000	\$22,000 \$44,000	FE FE EE EL, EE EL, EE, AQ EE EE
Cavendish E CCM 1 CCM 1 CCM 1 CCM 2 CCM 3 CCM 4 CCM 5 CCM 6	Classroom Addition & Renovation Gym Addition Total w/ Additions Total w/out Additions lementary School LED lighting Condensing Boilers Remove UV's and Add ERV's w/ Perimeter Heat Remove Underground Oil Tank Insulation and Weatherization	\$4,550,000 \$1,750,000 \$10,216,000 \$3,916,000 \$3,90,000 \$750,000 \$40,000 \$35,000	\$24,500 \$49,000 \$10,000	\$22,000 \$44,000 \$5,500	FE FE EE EL, EE EL, EE, AQ EE EE
Cavendish E ECM 1 ECM 1 ECM 1 ECM 2 ECM 3 ECM 4 ECM 5 ECM 6 ECM 7	Classroom Addition & Renovation Gym Addition Total w/ Additions Total w/out Additions Iementary School LED lighting Condensing Boilers Remove UV's and Add ERV's w/ Perimeter Heat Remove Underground Oil Tank Insulation and Weatherization Controls and Drives	\$4,550,000 \$1,750,000 \$10,216,000 \$3,916,000 \$3,916,000 \$390,000 \$750,000 \$40,000 \$35,000 \$62,000	\$24,500 \$49,000 \$10,000	\$22,000 \$44,000 \$5,500	FE FE EE EL, EE EL, EE, AQ EE EE
Cavendish E CCM 1 CCM 1 CCM 2 CCM 3 CCM 4 CCM 5 CCM 6 CCM 7 CCM 8	Classroom Addition & Renovation Gym Addition Total w/ Additions Total w/out Additions Iementary School LED lighting Condensing Boilers Remove UV's and Add ERV's w/ Perimeter Heat Remove Underground Oil Tank Insulation and Weatherization Controls and Drives Finish (Flooring, Exterior Painting & Ceilings)	\$4,550,000 \$1,750,000 \$10,216,000 \$3,916,000 \$3,916,000 \$390,000 \$750,000 \$40,000 \$35,000 \$62,000 \$300,000	\$24,500 \$49,000 \$10,000	\$22,000 \$44,000 \$5,500	FE FE EE EL, EE EL, EE, AQ EE EE EE
Cavendish E ECM 1 ECM 1 ECM 1 ECM 1 ECM 2 ECM 3 ECM 4 ECM 5 ECM 6 ECM 6 ECM 7 ECM 8 ECM 9	Classroom Addition & Renovation Gym Addition Total w/ Additions Total w/out Additions Iementary School LED lighting Condensing Boilers Remove UV's and Add ERV's w/ Perimeter Heat Remove Underground Oil Tank Insulation and Weatherization Controls and Drives Finish (Flooring, Exterior Painting & Ceilings) Fire Alarm	\$4,550,000 \$1,750,000 \$10,216,000 \$3,916,000 \$3,916,000 \$390,000 \$750,000 \$40,000 \$35,000 \$62,000 \$300,000 \$75,000	\$24,500 \$49,000 \$1,300 \$10,000 \$4,500	\$22,000 \$44,000 \$5,500	FE FE EE EL, EE EL, EE, AQ EE EE EF EF
Cavendish E ECM 1 ECM 1 ECM 1 ECM 2 ECM 3 ECM 4 ECM 5 ECM 6 ECM 7 ECM 8 ECM 9	Classroom Addition & Renovation Gym Addition Total w/ Additions Total w/out Additions Iementary School LED lighting Condensing Boilers Remove UV's and Add ERV's w/ Perimeter Heat Remove Underground Oil Tank Insulation and Weatherization Controls and Drives Finish (Flooring, Exterior Painting & Ceilings) Fire Alarm Solar Array	\$4,550,000 \$17,750,000 \$10,216,000 \$3,916,000 \$3,916,000 \$390,000 \$750,000 \$40,000 \$35,000 \$62,000 \$300,000 \$75,000 \$100,000	\$24,500 \$49,000 \$10,000 \$10,000 \$4,500	\$22,000 \$44,000 \$5,500	EE EL, EE EL, EE EE EE FE FE FE FE FE FE FE, EE
Cavendish E ECM 1 ECM 1 ECM 1 ECM 1 ECM 2 ECM 3 ECM 4 ECM 5 ECM 6 ECM 6 ECM 7 ECM 8 ECM 9	Classroom Addition & Renovation Gym Additions Total w/ Additions Total w/out Additions lementary School LED lighting Condensing Boilers Remove UV's and Add ERV's w/ Perimeter Heat Remove Underground Oil Tank Insulation and Weatherization Controls and Drives Finish (Flooring, Exterior Painting & Ceilings) Fire Alarm Solar Array Playground	\$4,550,000 \$1,750,000 \$10,216,000 \$3,916,000 \$3,916,000 \$390,000 \$750,000 \$40,000 \$35,000 \$62,000 \$75,000 \$100,000 \$40,000	\$24,500 \$49,000 \$1,300 \$10,000 \$4,500	\$22,000 \$44,000 \$5,500 \$3,000	EE EL, EE EL, EE EE EE FE FE FE FE FE FE FE, EE
ECM 17 ECM 18	Classroom Addition & Renovation Gym Additions Total w/ Additions Total w/out Additions lementary School LED lighting Condensing Boilers Remove UV's and Add ERV's w/ Perimeter Heat Remove Underground Oil Tank Insulation and Weatherization Controls and Drives Finish (Flooring, Exterior Painting & Ceilings) Fire Alarm Solar Array Playground	\$4,550,000 \$1,750,000 \$10,216,000 \$3,916,000 \$3,916,000 \$390,000 \$750,000 \$40,000 \$35,000 \$62,000 \$75,000 \$100,000 \$40,000	\$24,500 \$49,000 \$10,000 \$10,000 \$4,500	\$22,000 \$44,000 \$5,500 \$3,000	EE EL, EE EL, EE EE EE FE FE FE FE FE FE FE, EE