

APPENDIX A

HVAC Capital Planning Details

as of February 1, 2023

Project Name	Project Description	Age (Years)	Condition *	Location / Building	Room #	Total Est Cost	ESTIMATED COSTS					Additional Comments
							FY24	FY25	FY26	FY27	FY28	
Existing Campus Equipment												
Roof Top Units (RTU) 17												
Roof Top Unit #001	Unit BMS/pneumatic is obsolete broken not repairable. Unit also leaks water on top when it rains.	23	Fair	Middle School -Roof	Libiary,Main Offices, Guidance, Nurce	173,831		173,831				HTS,Daikin1,Sartell Electrical2
Roof Top Unit #002	Unit BMS/pneumatic is obsolete. Unit also leaks water on top when it rains.	23	Fair	Middle School -Roof	Music Dept, Chorus, Offices	165,601		165,601				HTS,Daikin1,Sartell Electrical2
Roof Top Unit #003	Unit BMS/pneumatic is obsolete broken not repairable. Unit also leaks water on top when it rains.	23	Fair	High School - Roof	Locker rooms, MPFT, Bathrooms	165,883			165,883			HTS,Daikin1,Sartell Electrical2
Roof Top Unit #004	Needs to be replaced as the unit is pitted on the heat exchanger, BMS panel obsolete along with the pneumatic	23	Replace	High School - Roof	Locker rooms, Bathrooms, Storage	209,488			209,488			HTS,Daikin1,Sartell Electrical2
Roof Top Unit #005	Unit BMS/pneumatic is obsolete broken. Unit also leaks water on top when it rains.	23	Fair	Field House - Roof	Field House	171,369		171,369				HTS,Daikin1,Sartell Electrical2
Roof Top Unit #006	Unit BMS/pneumatic is obsolete. Unit also leaks water on top when it rains.	23	Fair	Field House - Roof	Field House	171,370		171,370				HTS,Daikin1,Sartell Electrical2
Roof Top Unit #007	Unit BMS/pneumatic is obsolete. Unit also leaks water on top when it rains.	23	Replace	Field House - Roof	Field House	214,383		214,383				HTS,Daikin1,Sartell Electrical2
Roof Top Unit #008	Unit BMS/pneumatic is obsolete broken not repairable. Unit condenser coils are brittle and falling apart	23	Fair	Middle School -Roof	Offices, Classrooms	108,362		108,362				HTS,Daikin1,Sartell Electrical2
Roof Top Unit #009	Needs to be replaced as the unit is pitted on the heat exchanger, BMS panel obsolete	23	Replace	Middle School -Roof	Locker rooms, Athletics, Bathrooms	186,800		186,800				HTS,Daikin1,Sartell Electrical2
Roof Top Unit #010	unit BMS/pneumatic is obsolete broken not repairable. Unit also leaks water on top when it rains.	23	Fair	High School - Roof	House offices A-H3230 C-H2250	108,362			108,362			HTS,Daikin1,Sartell Electrical2
Roof Top Unit #011	unit BMS/pneumatic is obsolete broken not repairable. Unit also leaks water on top when it rains.	23	Fair	High School - Roof	House offices B-H2090 D-H3090	108,362			108,362			HTS,Daikin1,Sartell Electrical2
Roof Top Unit #012	Unit BMS/pneumatic is obsolete. Unit also leaks water on top when it rains.	23	Fair	High School - Roof	1st fl main offices,H2000,H3000	160,114			160,114			HTS,Daikin1,Sartell Electrical2
Roof Top Unit #013	Needs to be replaced as the unit is pitted on the heat exchanger, BMS panel obsolete	23	Replace	Link - Roof	large Café	164,826		164,826				HTS,Daikin1,Sartell Electrical2
Roof Top Unit #014	Needs to be replaced as the unit is pitted on the heat exchanger, BMS panel obsolete	23	Replace	Link - Roof	large Café	164,826		164,826				HTS,Daikin1,Sartell Electrical2
Roof Top Unit #015	Needs to be replaced as the unit is pitted on the heat exchanger, BMS panel obsolete	23	Replace	Link - Roof	Kitchen, servery	164,112		164,112				HTS,Daikin1,Sartell Electrical2
Roof Top Unit #016	Unit BMS/pneumatic is obsolete. Unit also leaks water on top when it rains.	23	Fair	Link - Roof	Music Dept	173,831		173,831				HTS,Daikin1,Sartell Electrical2
Roof Top Unit #017	Needs to be replaced as the unit is pitted on the heat exchanger	23	Replace	Wate Water Treatment plant - Roof	Office, Hallway and Bathroom	42,700			42,700			HTS,Daikin1,Sartell Electrical2
Air Handling Units (AHU) 4; Air Condenser Coil Units (ACCU) 4; Return Fan (RF) 4												
Air Handling, condenser Unit #001	unit is not efficient and is single stage cooling 35Tons. BMS cooling board obsolete. BMS not zoned and should be.	23	Fair	Middle School	Classrooms-M2220,M2230,M2231,M0040	135,825		135,825				HTS,Daikin1,Sartell Electrical2
Air Handling, condenser Unit #002	Coil leaks and not repairable with out causing further damage	23	Replace	Middle School	Auditorium	211,397		211,397				HTS,Daikin1,Sartell Electrical2
Air Handling, condenser Unit #003	unit is not efficient and is single stage cooling 57 Tons. BMS cooling board obsolete. BMS not zoned and should be.	23	Good	High School	Library, Classrooms, IT Dept	318,210			318,210			HTS,Daikin1,Sartell Electrical2
Air Handling, condenser Unit #004	split AC system with electric heat.	6	Good	Middle School	HVAC Office	N/A						HTS,Daikin1,Sartell Electrical2
Heat Ventilation Units (HV) 11												
Heat Ventilation Unit #001	Should be done when BMS infrastucture is being done and Glycol being flushed. BMS will Zone classrooms.	23	Fair	High School	Classroom-H2190,H2210	83,901				83,901		HTS/Daikin1
Heat Ventilation Unit #002	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	Classroom-H2200	63,345				63,345		HTS/Daikin1
Heat Ventilation Unit #003	Should be done when BMS infrastucture is being done and Glycol being flushed. BMS will Zone classrooms.	23	Fair	High School	Classroom-H2130,H2150	83,901				83,901		HTS/Daikin1
Heat Ventilation Unit #004	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	Classroom-H2120	63,345				63,345		HTS/Daikin1
Heat Ventilation Unit #005	Should be done when BMS infrastucture is being done and Glycol being flushed. BMS will Zone classrooms.	23	Fair	High School	Classroom-H3160,H3180	83,901				83,901		HTS/Daikin1
Heat Ventilation Unit #006	Should be done when BMS infrastucture is being done and Glycol being flushed. BMS will Zone classrooms.	23	Fair	High School	Classroom-H3170,H3190	83,901				83,901		HTS/Daikin1
Heat Ventilation Unit #007	Should be done when BMS infrastucture is being done and Glycol being flushed. BMS will Zone classrooms.	23	Fair	High School	Classroom-H3130,H3150	83,901				83,901		HTS/Daikin1
Heat Ventilation Unit #008	Should be done when BMS infrastucture is being done and Glycol being flushed. BMS will Zone classrooms.	23	Fair	High School	Classroom-H3120,H3140	83,901				83,901		HTS/Daikin1
Heat Ventilation Unit #017	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	Field House	Weight Room	137,455		137,455				HTS/Daikin1
Heat Ventilation Unit #018	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	Field House	Weight Room	137,455		137,455				HTS/Daikin1
Heat Ventilation Unit #033	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	Middle School - Penthouse	Gym	137,455			137,455			HTS/Daikin1
Heat Ventilation Unit #034	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	Middle School - Penthouse	Gym	137,455			137,455			HTS/Daikin1
Central Office Split System HVAC												
Building has one gas furnace and elecric baseboard in each office area. Setup is not efficient for the use.		20	Replace	Central Office	Central Office	65,162		65,162				HTS,Daikin1
Unit Ventilators (UV) 108												
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H1130	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H1150	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H1160	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H1170	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H1180	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H1190	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H1200	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H1210	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H1220	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H1230	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2010	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2020	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2030	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2040	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2050	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2060	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2070	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2080	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2100	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2220	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2230	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2230	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2240	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2260	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2270	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2280	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2290	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2300	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H2310	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H3010	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H3020	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H3030	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H3040	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H3050	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H3060	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H3070	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H3080	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H3100	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H3110	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H3200	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H3210	20,735				20,735		HTS/Daikin1
Unit Ventilator-1	Should be done when BMS infrastucture is being done and Glycol being flushed	23	Fair	High School	H3220	20,735				20,735		HTS/Daikin1

APPENDIX A

HVAC Capital Planning Details

as of February 1, 2023

Project Name	Project Description	Age (Years)	Condition *	Location / Building	Room #	Total Est Cost	ESTIMATED COSTS					Additional Comments
							FY24	FY25	FY26	FY27	FY28	
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H2092	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H2113	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H4252	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H4256	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H4228	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H2201	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H4328	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H4327	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H3233	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H3233	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H3232	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H3231	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	3rd Fl - Front sitting area	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H3000	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H3095	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H3095	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H3095	692				692		RCL Mechanical1
Finned Tube Radiation Valve	Needs to be replaced when BMS infrastructure is being done also valve body replaced when glycol is empty	23	Fair	High School	H3095	692				692		RCL Mechanical1
Kitchen Hood Systems 2	Hood system upgrade with makeup air and controls	23	Replace	Kitchen	C1002,C1003	144,200		144,200	-			A1 Restaurant Ventilation Inc1
HS Glycol Flush - Hydronic System	Flush and add new Glycol	23	Replace	High School	UH172	69,377		69,377	-			Staybrooke Environment2
MS Glycol Flush - Hydronic System	Flush and add new Glycol	23	Replace	Middle School	UM172	89,223	-	89,223	-	-		Staybrooke Environment2
HS Replace Domestic Hot Water Systems 2	One PVI tank was replaced 3 years ago and the other is offline and needs to be replaced with high efficiency	25/3	Fair/Replace	High School		135,000			135,000			EM Duggan2
MS Replace Domestic Hot Water Systems 2	only running on one hot water system and there is no back up as there was, need to update to work properly	10	Fair	Middle School	UM171	150,000		150,000				EM Duggan2
HS Boilers 2	Boiler / pump skid - both are leaking from many areas and needs attention	23	Replace	High School	UH172	650,000	-	-	650,000	-	-	EM Duggan2
MS Boilers 2	Boilers / pump skids - both leaking from many areas and needs attention	42	Replace	Middle School	UM172	704,000	-	704,000	-	-	-	EM Duggan2
Building Management System (BMS)												
BMS Phase 1A - Building Management System (BMS) Upgrades	System is obsolete needs to be upgraded	23	Replace	High School	C1060	36,795		36,795	-	-		Conttol Technologies1
BMS Phase 1B - Building BMS infrastructure	Building BMS upgrade needed before any new equipment is added.	NA	NA	Campus wide	Campus wide	642,350		642,350				Conttol Technologies1
BMS Phase II: VAVs , AHU & Boilers	Controls, wiring, programming ect	NA	NA	Campus wide	Campus wide	1,159,350		1,159,350				Conttol Technologies1
BMS Phase III: Unit Ventilators	Classroom, common hallway spaces BMS install/Upgrade	NA	NA	Campus wide	Campus wide	261,795			261,795			Conttol Technologies1
BMS Phase IV: Unit Ventilators	Classroom, common hallway spaces BMS install/Upgrade	NA	NA	Campus wide	Campus wide	271,630				271,630		Conttol Technologies1
IT Head End Server Room	Lebert unit has been down since 2020	23	Replace	High School	IT Dept	52,261				52,261		Johnstone2
New Campus Equipment Recommended												
Miscellaneous Areas (18) - Areas can reach over 110F												
Generator Mechanical room	3Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Middle School	UM177	32,430	-	-	32,430	-	-	HTS/Daikin1, Sartell Electrical Services2
Generator Mechanical room	3Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Middle School	UH150	32,430	-	-	32,430	-	-	HTS/Daikin1, Sartell Electrical Services2
Generator Mechanical room	3Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Waste Water Treatment Plant		32,430					32,430	HTS/Daikin1, Sartell Electrical Services2
Elevator Mechanical Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH125	32,430				32,430		HTS/Daikin1, Sartell Electrical Services2
Elevator Mechanical Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Middle School	UM115	32,430			32,430			HTS/Daikin1, Sartell Electrical Services2
IT Deptment offices/TV Control room	Install a heat recovery VRF system to office areas. 2-wall units 12K. Ceiling units 12-12K.	NA	NA	High School	H2240	65,162	-	-	-	65,162	-	HTS/Daikin1, Sartell Electrical Services2
Concession Stand/Press Box	6Ton Mini Split, 2-Wall Unit Low Ambient	NA	NA	Football Field	NA	32,430		32,430				HTS/Daikin1, Sartell Electrical Services2
Small Café	Inatall new HVAC to heat and cool 25Tons Ceiling unit 6-units.	NA	NA	Link	C1020	57,527		57,527				HTS/Daikin1, Sartell Electrical Services2
Staff Work Room	4Ton Mini Split, 2-Ceiling Unit Low Ambient	NA	NA	Middle School	M1170	14,395			14,395			HTS/Daikin1, Sartell Electrical Services2
Large Group Instruction Room	4Ton Mini Split, 2-Ceiling Unit Low Ambient	NA	NA	Rear of Café	C1008	14,395		14,395				HTS/Daikin1, Sartell Electrical Services2
Stem Lab	5Ton Mini Split, 4-Ceiling Unit Low Ambient	NA	NA	High School	H2170	17,743				17,743		HTS/Daikin1, Sartell Electrical Services2
Stem Lab	5Ton Mini Split, 4-Ceiling Unit Low Ambient	NA	NA	Middle School	M1340	17,743			17,743			HTS/Daikin1, Sartell Electrical Services2
Bathroom Exhaust System	install building fan to all restrooms and utility rooms	NA	NA	Central Office	Central Office	5,800		5,800				HTS/Daikin1, Sartell Electrical Services2
Boiler Room Exhaust new install	install a exhaust fan for boiler room	NA	NA	Middle School	UM172	5,800			5,800			HTS/Daikin1, Sartell Electrical Services2
Auditorium Stage Area	Over heats when in use and ductwork sweats. Install Mini Split System wall units.	NA	NA	Middle School	M1160	14,395			14,395			HTS/Daikin1, Sartell Electrical Services2
Athletics office	2Ton Mini Split, 2-Ceiling Unit Low Ambient	NA	NA	Middle School	A1000,A1001	34,430			34,430			HTS/Daikin1, Sartell Electrical Services2
Kitchen air door curtain	install 1 air door curtain above the main exterior kitchen door	NA	NA	Middle School	C1002,C1003	1,225			1,225			HTS/Daikin1, Sartell Electrical Services2
Kitchen Offices	install two wall mini splits units	NA	NA	Café	C1000,C1001	34,430		34,430				HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel Rooms (15) - Rooms can reach over 115F												
Main Electrical Transformer Panel Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH145	32,430				32,430		HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH245	32,430				32,430		HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH250	32,430				32,430		HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH210	32,430				32,430		HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH215	32,430				32,430		HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH335	32,430	-	-	-	32,430	-	HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH340	32,430	-	-	-	32,430	-	HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH305	32,430	-	-	-	32,430	-	HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH310	32,430	-	-	-	32,430	-	HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH135	32,430	-	-	-	32,430	-	HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel Room	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH165	32,430				32,430		HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Middle School	UM160	32,430	-	-	32,430	-	-	HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel/Lighting Control Room	2Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Middle School	UM140	32,430	-	-	32,430	-	-	HTS/Daikin1, Sartell Electrical Services2
Electrical Transformer Panel Room	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Middle School	UM100	32,430	-	-	32,430	-	-	HTS/Daikin1, Sartell Electrical Services2
Main Electrical Transformer Panel Room	5Ton Mini Split, 2-Wall Unit Low Ambient	NA	NA	Middle School	UM175	32,430	-	-	32,430	-	-	HTS/Daikin1, Sartell Electrical Services2
Intermediate Distribution Frame Closets (IDF) 14												
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH155	34,430	-	-	-	34,430	-	HTS/Daikin1, Sartell Electrical Services2
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH110	34,430	-	-	-	34,430	-	HTS/Daikin1, Sartell Electrical Services2
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH255	34,430	-	-	-	34,430	-	HTS/Daikin1, Sartell Electrical Services2
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH225	34,430	-	-	-	34,430	-	HTS/Daikin1, Sartell Electrical Services2
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH345	34,430	-	-	-	34,430	-	HTS/Daikin1, Sartell Electrical Services2
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Link	UH175	34,430		34,430				HTS/Daikin1, Sartell Electrical Services2
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	High School	UH315	34,430	-	-	-	34,430	-	HTS/Daikin1, Sartell Electrical Services2

APPENDIX A

HVAC Capital Planning Details
as of February 1, 2023

Project Name	Project Description	Age (Years)	Condition *	Location / Building	Room #	Total Est Cost	ESTIMATED COSTS					Additional Comments
							FY24	FY25	FY26	FY27	FY28	
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Middle School	UM130	34,430	-	-	34,430	-	-	HTS/Daikin1, Sartell Electrical Services2
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Middle School	UM220	34,430	-	-	34,430	-	-	HTS/Daikin1, Sartell Electrical Services2
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Middle School	UM235	34,430	-	-	34,430	-	-	HTS/Daikin1, Sartell Electrical Services2
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Middle School	UM155	34,430	-	-	34,430	-	-	HTS/Daikin1, Sartell Electrical Services2
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Middle School	UM105	34,430	-	-	34,430	-	-	HTS/Daikin1, Sartell Electrical Services2
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	middle School	UA100	34,430	-	-	34,430	-	-	HTS/Daikin1, Sartell Electrical Services2
Intermediate Distribution Frame Closet	1Ton Mini Split, 1-Wall Unit Low Ambient	NA	NA	Central Office	Basement Closet	34,430	-	34,430	-	-	-	HTS/Daikin1, Sartell Electrical Services2
						-	-	-	-	-	-	
TOTALS HVAC					Totals:	\$ 13,960,874	\$ -	\$ 6,116,852	\$ 4,471,961	\$ 3,304,378	\$ 67,682	