

SUM of FY25 Estimated Cost	USE FOR BLDG													Grand Total
	AIN	BHS	DW	HMS	IPK	KAK	HSG	PIZ	KLC	ATQ	NUI	AKP	PHO	
Back up power										200000				200000
Bell System	300000													300000
Branch Circuits		30000												30000
Clock System	250000													250000
Controls		175000												175000
DDC Controls	553000	1260000		910000	700000			70000		350000	110000			3953000
Devices				400000										400000
DOORS			2000000											2000000
Electrical Service		1400000					110000	0	283000					1793000
Elevator		350000												350000
Feeders		98000												98000
Fire Alarm	784000	1358000		500000				630000	300000			770000	20000	4362000
Fire Protecting								15000						15000
Fire Sprinkler	756000	2940000					20000	391400		21000		770000		4898400
Fuel Oil	259000						50000	210000		90000	50000			659000
Generators								504000						504000
Heating		2100000		700000	770000		1250000	450000	200000	350000	490000	225000		6535000
HVAC	4152400	2380000		50000	740000		4000	2180000	250000	2389000	712000	1400000	277000	14534400
Intercom	350000													350000
Intercom/Clocks		630000									820000	420000		1870000
Intercom/Paging									200000					200000
Lighting	1030000	1475000		1200000	1300000		4000	330000	90000		750000	400000		6579000
Other		1210000		11950000	1260000			0			560000	56000	500000	15536000
Plumbing	3880000	650000			442000		650000	3030000		665000		1000000	140000	10457000
Power	20000													20000
Power Distribution				1000000	500000	35000	18000	330000			1100000	364000	20000	3367000
Security	343000							250000	350000		200000			1143000
Standby System						100000								100000
Telecom/Data								200000						200000
Telephone/Data	329000	770000							50000		420000			1569000
Ventilation								20000						20000
Wiring Devices		200000												200000
Grand Total	13006400	17026000	2000000	16710000	5712000	135000	2106000	8540400	1793000	3715000	5452000	5515000	957000	82667800

**Deficiency Code: 1-Health/Life Safety, 2-Operating Cost Savings, 3-Technical Upgrade, 4-Code Upgrade
Priority: 1-Highest Priority, 2-Repair/remodel within 3 years, 3- Repair/remodel 3-10 years**

SITE	Building	Deficienc	Priorit	Project Type
AKP	Nunamuit School	2	3	Heating
AKP	Nunamuit School	6	2	Heating
AKP	Nunamuit School	2	2	DDC Controls
AKP	Nunamuit School	6	2	DDC Controls
AKP	Nunamuit School	1	2	Other
AKP	Nunamuit School	4	2	Fire Sprinkler
AKP	Nunamuit School	6	1	HVAC
AKP	Nunamuit School	3	2	HVAC
AKP	Nunamuit School	4	1	HVAC
AKP	Nunamuit School	6	2	HVAC
AKP	Itinerant Housing	1	2	Fuel Oil
AKP	Itinerant Housing	6	2	Heating
AKP	Itinerant Housing	6	1	Heating
AKP	Hill House 345	6	2	HVAC
AKP	Tri-Plex 4005	6	2	Heating
AKP	5-Plex	6	2	Heating
AKP	5-Plex	6	3	Heating
AKP	Nunamuit School	6	1	Plumbing
AKP	Nunamuit School	7	2	Intercom/Clocks
AKP	Nunamuit School	2	3	Lighting
AKP	Nunamuit School	1	1	Fire Alarm
AKP	Nunamuit School	6	3	Power Distribution
AKP	Itinerant Housing	2	3	Lighting
AKP	Hill House 345	4	1	Power Distribution
AKP	Tri-Plex 4005	6	2	Electrical Service
AKP	Tri-Plex, 5-Plex	1	2	Lighting
ATQ	Meade River School	4	1	HVAC
ATQ	Meade River School	4	1	Plumbing
ATQ	Meade River School	1	1	Fire Sprinkler
ATQ	Meade River School	1	1	Plumbing
ATQ	Meade River School	4	1	HVAC
ATQ	Meade River School	1	1	Plumbing
ATQ	Meade River School	6	1	Heating
ATQ	Meade River School	6	1	Fuel Oil
ATQ	Meade River School	6	1	HVAC
ATQ	Meade River School	4	2	HVAC
ATQ	Meade River School	4	1	HVAC
ATQ	Meade River School	6	1	HVAC
ATQ	Meade River School	6	2	HVAC
ATQ	Meade River School	6	3	HVAC

ATQ	Meade River School	6	3	Plumbing
ATQ	Meade River School	6	2	HVAC
ATQ	Meade River School	6	1	Back up power
KAK	School Itinerant	6	2	Plumbing
KAK	School Itinerant	4	2	Heating
KAK	Single Family	6	2	Heating
KAK	Single Family	6	3	Heating
KAK	Single Family	6	2	Plumbing
KAK	Single Family	6	2	Electrical Service
KAK	Single Family	6	2	Power Distribution
KAK	Single Family	6	3	Power Distribution
KAK	Interim School	3	2	Standby System
KAK	Storage Facilities	4	1	Power Distribution
KAK	Storage Facilities	4	1	Power Distribution
NUI	Trapper School	1	1	HVAC
NUI	Trapper School	2	2	DDC Controls
NUI	Trapper School	1	2	Heating
NUI	Trapper School	6	2	Fuel Oil
NUI	Trapper School	4	2	HVAC
NUI	Trapper School	6	3	Other
NUI	Trapper School	6	3	HVAC
NUI	Trapper School	6	2	HVAC
NUI	5 Plex	6	2	Heating
NUI	All Housing	6	3	Fire Sprinkler
NUI	Trapper School	6	2	Intercom/Clocks
NUI	Trapper School	6	3	Lighting
NUI	Trapper School	6	2	Telephone/Data
NUI	Trapper School	2	3	Lighting
NUI	Trapper School	6	2	Security
NUI	Trapper School	6	2	Power Distribution
NUI	Trapper School	6	2	Telephone/Data
NUI	Trapper School	6	2	Power Distribution
NUI	Trapper School	7	2	Intercom/Clocks
PHO	Tikigaq School	4	2	HVAC
PHO	Tikigaq School	6	2	Plumbing
PHO	Tikigaq School	6	2	HVAC
PHO	Tikigaq School	6	3	Other
PHO	Tikigaq School	3	1	Power Distribution
PHO	Tikigaq School	6	3	Fire Alarm
PIZ	Kali School	6	1	Fuel Oil
PIZ	Kali School	1	1	Plumbing
PIZ	Kali School	6	1	HVAC
PIZ	Kali School	1	1	Fire Sprinkler
PIZ	Kali School	5	1	Plumbing

PIZ	Kali School	1	1	Plumbing
PIZ	Kali School	1	1	Plumbing
PIZ	Kali School	4	1	Plumbing
PIZ	Kali School	1	1	Plumbing
PIZ	Kali School	1	1	Plumbing
PIZ	Kali School	6	2	Heating
PIZ	Kali School	6	2	HVAC
PIZ	Kali School	5	2	HVAC
PIZ	Kali School	6	2	HVAC
PIZ	Kali School	4	2	Electrical Service
PIZ	Kali School	5	2	Plumbing
PIZ	Kali School	5	2	HVAC
PIZ	Kali School	4	2	HVAC
PIZ	Kali School	4	2	HVAC
PIZ	Kali School	4	2	HVAC
PIZ	Kali School	4	2	HVAC
PIZ	Kali School	4	2	HVAC
PIZ	Kali School	2	2	HVAC
PIZ	Kali School	4	2	HVAC
PIZ	Kali School	6	2	Plumbing
PIZ	Kali School	6	2	Ventilation
PIZ	Kali School	6	2	Other
PIZ	Kali School	6	3	HVAC
PIZ	Kali School	6	3	Heating
PIZ	Kali School	1	1	Heating
PIZ	Kali School	2	1	Heating
PIZ	Kali School	6	2	HVAC
PIZ	Kali School	4	1	HVAC
PIZ	Kali School	2	2	HVAC
PIZ	Kali School	1	1	Fire Protecting
PIZ	Kali School	1	1	Lighting
PIZ	Kali School	4	2	Power Distribution
PIZ	Kali School	1	1	Fire Alarm
PIZ	Kali School	5	1	Security
PIZ	Kali School	3	2	Lighting
PIZ	Kali School	3	2	Power Distribution
PIZ	Kali School	3	3	Lighting
PIZ	Kali School	3	3	Generators
PIZ	Kali School	3	3	Generators
PIZ	Kali School	1	3	Fire Sprinkler
PIZ	Kali School	2	3	Lighting
PIZ	Kali School	1	1	Fire Sprinkler
PIZ	Kali School	5	1	Other
PIZ	Kali School	2	2	Other
PIZ	Kali School	3	3	Telecom/Data

BHS	Barrow High School	4	3	Feeders
BHS	Barrow High School	4	3	Controls
BHS	Barrow High School	6	2	Electrical Service
BHS	Barrow High School	6	3	Lighting
BHS	Barrow High School	1	3	Fire Alarm
BHS	Barrow High School	6	2	Telephone/Data
BHS	Barrow High School	6	1	Intercom/Clocks
BHS	Barrow High School	2	1	Lighting
BHS	Barrow High School	6	3	Electrical Service
BHS	Barrow High School	6	1	Lighting
BHS	Barrow High School	6	3	Electrical Service
BHS	Barrow High School	1	3	Branch Circuits
BHS	Barrow High School	1	1	Elevator
BHS	Barrow High School	4	2	Wiring Devices
BHS	Barrow High School	4	1	Lighting
BHS	Barrow High School	4	1	Lighting
BHS	Barrow High School	4	1	Fire Sprinkler
BHS	Barrow High School	4	1	Fire Alarm
BHS	Barrow High School	4	2	Plumbing
BHS	Barrow High School	5	1	Heating
BHS	Barrow High School	5	1	Fire Sprinkler
BHS	Barrow High School	4	1	HVAC
BHS	Barrow High School	6	3	Plumbing
BHS	Barrow High School	6	1	DDC Controls
BHS	Barrow High School	4	2	HVAC
BHS	Barrow High School	4	2	HVAC
BHS	Barrow High School	4	2	HVAC
BHS	Barrow High School	2	2	HVAC
BHS	Barrow High School	6	2	Other
BHS	Barrow High School	6	3	Other
HMS	Eben Hopson Middle	6	1	Heating
HMS	Eben Hopson Middle	6	3	HVAC
HMS	Eben Hopson Middle	2	1	DDC Controls
HMS	Eben Hopson Middle	6	3	Other
HMS	Eben Hopson Middle	3	2	Other
HMS	Eben Hopson Middle	6	3	Other
HMS	Eben Hopson Middle	3	1	Other
HMS	Eben Hopson Middle	6	3	Other
HMS	Eben Hopson Middle	1	2	Other
HMS	Eben Hopson Middle	6	1	Other
HMS	Eben Hopson Middle	1	1	Other
HMS	Eben Hopson Middle	1	1	Other
HMS	Eben Hopson Middle	4	1	Fire Alarm
HMS	Eben Hopson Middle	1	1	Lighting

HMS	Eben Hopson Middle	6	2	Other
HMS	Eben Hopson Middle	6	3	Power Distribution
HMS	Eben Hopson Middle	6	2	Lighting
HMS	Eben Hopson Middle	6	1	Other
HMS	Eben Hopson Middle	2	1	Lighting
HMS	Eben Hopson Middle	6	3	Devices
HMS	Eben Hopson Middle	6	1	Other
IPK	Ipalook Elementary	6	2	HVAC
IPK	Ipalook Elementary	6	3	Plumbing
IPK	Ipalook Elementary	6	3	Heating
IPK	Ipalook Elementary	6	3	Heating
IPK	Ipalook Elementary	2	2	DDC Controls
IPK	Ipalook Elementary	3	3	Other
IPK	Ipalook Elementary	3	3	HVAC
IPK	Ipalook Elementary	3	3	Plumbing
IPK	Ipalook Elementary	6	2	HVAC
IPK	Ipalook Elementary	6	1	HVAC
IPK	Ipalook Elementary	1	1	Lighting
IPK	Ipalook Elementary	6	2	Other
IPK	Ipalook Elementary	6	1	Lighting
IPK	Ipalook Elementary	6	1	Other
IPK	Ipalook Elementary	2	1	Lighting
IPK	Ipalook Elementary	3	2	Power Distribution
IPK	Ipalook Elementary	6	1	Lighting
KLC	Kiita Learning	Functional	3	Heating
KLC	Kiita Learning	Code Upgr	3	HVAC
KLC	Kiita Learning	Functional	1	DDC Controls
KLC	Kiita Learning	6	3	Lighting
KLC	Kiita Learning	6	2	Telephone/Data
KLC	Kiita Learning	6	3	Electrical Service
KLC	Kiita Learning	2	2	Lighting
KLC	Kiita Learning	3	2	Security
KLC	Kiita Learning	3	2	Security
KLC	Kiita Learning	6	3	Electrical Service
KLC	Kiita Learning	6	3	Intercom/Paging
KLC	Kiita Learning	4	3	Fire Alarm
AIN	Alak K-12 School	6	1	HVAC
AIN	Alak K-12 School	1	1	Plumbing
AIN	Alak K-12 School	5	1	HVAC
AIN	Alak K-12 School	5	1	Plumbing
AIN	Alak K-12 School	1	1	Plumbing
AIN	Alak K-12 School	6	2	DDC Controls
AIN	Alak K-12 School	6	2	Plumbing
AIN	Alak K-12 School	6	2	HVAC

AIN	Alak K-12 School	6	2	Fire Sprinkler
AIN	Alak K-12 School	6	2	Fuel Oil
AIN	Alak K-12 School	4	2	HVAC
AIN	Alak K-12 School	4	2	HVAC
AIN	Alak K-12 School	6	2	HVAC
AIN	Alak K-12 School	6	2	HVAC
AIN	Alak K-12 School	6	2	Plumbing
AIN	Alak K-12 School	6	3	HVAC
AIN	Alak K-12 School	6	3	Plumbing
AIN	Alak K-12 School, Bus	1	1	HVAC
AIN	Alak K-12 School, Bus	6	2	HVAC
AIN	Alak K-12 School, Bus	6	2	HVAC
AIN	Alak K-12 School	1	3	Fire Alarm
AIN	Alak K-12 School	6	3	Lighting
AIN	Alak K-12 School	6	2	Telephone/Data
AIN	Alak K-12 School	2	3	Lighting
AIN	Alak K-12 School	1	1	Security
AIN	Alak K-12 School	1	2	Lighting
AIN	Alak K-12 School	4	2	Power
AIN	Alak K-12 School	3	2	Intercom
AIN	Alak K-12 School	3	2	Bell System
AIN	Alak K-12 School	6	2	Clock System
DW	DW		3	DOORS
TECHNOLOGY - DW	DW		1	TECH REFRESH

5-Protection of Structure, 6-Functional Upgrade, 7-Education Program Upgrade

Equipment	Approx Year	Typ. Life	SCHED.	System	Brief Title
Pumps	2012	20	2032	Heating	Heating Pump Upgrades
Heating	Varies	30	2026	Heating	Heating Equipment and Piping
Controls	1997	15	2026	Heating	Failing Building controls
Controls	2012	15	2027	Heating	Retro-commission Existing
Natatorium	2012	20	2032	Natatorium	Natatorium Chemical Feed
Fire Sprinklers	1980	30	2028	Fire Sprinklers	Sprinkler System Upgrades
Air Handling Units	1980	30	2026	HVAC	Air handling units and
Dust Collector	1980	20	2026	HVAC	Dust Collection system does
Voc-Ed	1980	20	2026	HVAC	Voc-ed Ventilation Upgrades
Freezers	Varies	20	2028	Kitchen	Freezer condensers utilize
Fuel Tank	1993	30	2026	Fuel Oil	Upgrade Fuel Tank to Double
Boilers	1993	30	2026	Boilers	Upgrade boiler
Heating	1980	30	2026	Heating	Upgrade Heating Equipment
Ventilation	N/A	20	2026	Ventilation	Ventilation Upgrade.
Boilers	2013	30	2035	Boilers	Upgrade boiler piping.
Boilers	1999	30	2029	Boilers	Upgrade boiler
Heating	Varies	30	2028	Heating	Upgrade Heating Equipment
Pool	Varies	30	2029	Pool	Repair Pool Equipment
Clock Headend	2012	20	2032	Clock/intercom	Clock/intercom system has
Lighting	1980s?	20	2028	Lighting	Existing T8 lighting not as
Fire Alarm Panel	1980s	15	2027	Fire Alarm	Fire alarm system parts are
Panelboards	1980s	40	2029	Power	Panelboards Old
Lighting	1980s	20	2029	Lighting	Existing lighting not as energy
Receptacles	?	20		Receptacles	GFCI needed in bathroom.
Service Meter	?	N/A	2028	Power	Meters are corroded
Lighting	Varies	10		Lights	Emergency Lighting
Boiler Room	1984/1992	20	2026	Ventilation	Boiler room ventilation and
Water Heater,	1993	20	2026	Plumbing	Water heater deficiencies
Fire Sprinkler	1995	30	2025	Fire Sprinklers	Insufficient pipe bracing
Kitchen Plumbing	1984	20	2027	Plumbing	Kitchen plumbing deficiencies
Kitchen	1984	20	2026	Ventilation	Kitchen ventilation deficiencies
Pool Water	1995	20	2029	Plumbing	Natatorium equipment failing
Heating System	1984/2009	20	2027	Heating	Heating plant upgrades
Fuel Tank and	1984	20	2027	Plumbing	Fuel oil system deficiencies
Generator	1984	20	2027	Generator Ven	Generator ventilation control
Dust Collector	1984	20	2028	HVAC	Dust Collection system does
Voc-Ed	1984?	20	2026	HVAC	Voc-ed Ventilation Upgrades
Generator	1984	20	2027	Ventilation	General ventilation items
Air Handlers	1984, 1995	20	2028	Ventilation	Air handling units and fans are
Storage Room	N/A	N/A	2030	Ventilation	Ventilate cleaning supply

Plumbing Fixtures	Varies	20	2030	Plumbing	Replace plumbing fixtures
Heating	1984, 1995	20	2027	Heating	Heating deficiencies
Generator	1972	40	2026	Back up power	Generator is nearing end of life
Plumbing Fixtures	1980	40	2020	Plumbing	Upgrade Plumbing Fixtures
Heating	1980	30	2027	Heating	Upgrade Heating Equipment
Boilers	1980	30	2027	Boilers	Upgrade boilers
Heating	1980	30	2027	Heating	Upgrade Heating Equipment
Piping	1996	20	2029	Plumbing	Upgrade Water/Sewer
Power Service	N/A	N/A	2030	Power	Separate building fed from
Panelboard	1980s?	40	2028	Power	Discontinued panel type.
Panelboard	1980s?	40	2030	Power	Discontinued panel type.
Generator	2010	30	2027	Power	Generator
Storage Building	Various	30	2027	Power	Feeder sizes incorrect size.
Branch Circuits	Various	30	2026	Power	Overcurrent protection
No exhaust	NA	NA	2027	Paint Storage	No exhaust, no intrinsically
Controls	1998	15	2027	Heating	Outdated pneumatic controls
Boilers	1998	30	2028	Heating	Old boilers and non-
Day Tank	1998	20	2027	Boilers	Fuel oil pumps failing
Dust Collector	1998	20	2027	Wood Shop	Dust Collector does not meet
Lap Pool	1998	20	2031	Natatorium	Pool unused, equipment
Combustion air	1998	30	2028	Boilers	Insufficient combustion air
Air Handler	1998	20	2028	AHU-7	Air handler in poor shape
Boilers	1997	30	2027	Boilers	Boilers are not piped in an
Fire Sprinklers	1997	NA	2030	Fire Sprinklers	Abandoned equipment
Intercom/Bell	1978	20	2027	Intercom/Bell	Intercom headend system is
Lighting Controls	1998	20	2029	Lighting Control	Lighting control system near
Telecom	1998	20	2030	Telecom	Cat 5, Cat 5e cabling are nearly
Lighting	1978, 1998	20	2031	Lighting	Existing T8, CFL and HPS
Security Access	1998, <5 yrs ago	15	2027	Security	Security system not operable
Wiring	1998	10	2030	Wiring	Electrical wiring in pool room
Headend	1978	15	2029	Gym Sound System	Gym sound system headend
Motors	1980's?	20	2028	Power	SPD Motor Protection
Clocks	2010	20	2030		Clock System
Dust Collector	2003	20	2028	Wood Shop	Dust Collector does not meet
Sanitary Waste	1979	40	2027	Sewage	Waste piping nearing end of
Ventilation	1998	20	2026	Ventilation	Upgrade Ventilation
Pool	1989	--	2029	Pool	Pool Leak
Electrical Service	2015	40	2026	Power	Low voltage reported on
Mag Door	2011	20	2031	Fire	Mag Door Holders not holding.
Day Tank	2013	20	2027	Heating	Fuel oil system deficiencies
Hot Water	1993?	20	2026	Plumbing	Hot water generator
Generator Room	1983	20	2027	Generator Vent	Generator room temperature
Fire Sprinkler	2002	30	2032	Fire Sprinklers	Fire sprinkler pump and riser
Fan Room 204	1995	20	2026	Ventilation	Dehumidifier is at the end of its

Pool Water	1995	20	2026	Plumbing	Natatorium equipment failed
Emergency	1995	20	2026	Plumbing	Emergency shower tempering
Lift Station, Pool	1995	20	2026	Plumbing	Seal lid and check valves
Dishwasher	2003?	20	2026	Plumbing	Pressure relief valve discharge
Voc-Ed Eyewash	1993?	20		Plumbing	Voc-Ed eyewash missing
Boiler plant	2002	30	2027	Heating	Boiler plant upgrades.
AHU-3, Boiler	1983	20	2026	Maint. Off. & V	Air handling unit is at the end
AHU-9,	1993?	20		Ventilation	Air handler leaking coil
Storage 168	1993?	20	2027	Ventilation	Insufficient ventilation
Fan Room 201,	2013	20		Ventilation	Air handler disconnect duct
Vent Through	1983	20	2027	Plumbing	VTR heat trace
Pool Storage 151	1995	40	2029	Ventilation	Insufficient ventilation
Dust Collector	1993?	20	2027	HVAC	Dust Collection system does
Paint Booth	1993?	20	2027	HVAC	Paint Booth system in wood
Voc-Ed	1993?	20	2027	HVAC	Voc-ed Ventilation Upgrades
Kiln Ventilation	1993?	20	2026	HVAC	Kiln ventilation
Controls	Varies	20		HVAC	Review operation of controls
Student Store	?	20		HVAC	HRV and exhaust installation
Various	Varies	20		Plumbing	Various plumbing deficiencies
Various	Varies	20	2028	Ventilation	Various ventilation deficiencies
Various	Varies	N/A		Varies	Various other deficiencies
Fan Room 204 Air	1993	20	2026	Ventilation	Air handling unit is at the end
Various	Varies	20	2026	Heating	Various heating deficiencies
Boiler	1993	30		Heating	Boiler B-2 is out of service
Heating Fluid	Unknown	15		Heating	Glycol Replacement
Floor Grilles	1993	30		Ventilation	Damaged Floor Grilles
Pool Equipment	1993	30		Ventilation	Repair AHU-8 and EF-3.
HVAC Controls	Varies	20	2027	HVAC	Replace HVAC Controls
Sprinkler System	N/A	N/A	2026	Sprinkler	Unprotected storage room.
Emergency	2015	10	2026	Lighting	Several of the EM lighting and
Junction Boxes	2015	30	2026	Power	Miscellaneous Power System
Fire Alarm Panel	1993	15	2026	Fire Alarm	Fire alarm system parts are
Security cameras	2015	15	2026	Security	Security camera and access
Exterior Lighting	1993	20		Lighting Control	Exterior lights on all day
Panelboards and	1993	40	2033	Power	Electrical gear from original
Lighting	2015	20	2028	Lighting	Miscellaneous Lighting Repairs
Generator	1983	30	2027	Power	Generator Overhaul
Generator	1983	30	2028	Power	Generator Testing
Fire Pump	1983	40	2028	Fire Sprinkler	Fire Pump Controller
Lighting	1993	20	2028	Lighting	Existing T8 and CFL lighting not
Sprinkler Head	1993	20		Fire Sprinkler	Sprinkler head with wrong
Door Re-lite	2015	15		Door Hardware	Damaged Door Re-lite
Freezer and	2015	20	2029	Refrigeration	Kitchen Refrigeration
PA	2015	20	2026	PA	PA system functionality

Distribution	1980	50	2030	Power	Abandoned Feeder
Control Wiring	1980	30	2030	Controls	Piping
Panelboards and	1980	40	2028	Power	Electrical gear from original
Lighting Controls	1980	20	2028	Lighting Control	Lighting control system passed
Fire Alarm Panel	1980	15	2031	Fire Alarm	Fire alarm system parts are
Telecom	1998	20	2029	Telecom	Cat 5, Cat 5e cabling are nearly
Intercom/Bell	1980	20	2026	Intercom/Bell	Intercom headend system is
Lighting	1980	20	2027	Lighting	Existing Inc, Mercury Vapor,
Receptacles	1980	30	2028	Power	Receptacle Listing
Lighting Controls	1990	10	2027	Lighting Control	Lighting controls for Theater
Panelboards and	1980	N/A	2029	Grounding	Add equipment grounding
Panelboards	1980	30	2029	Power	Shared Neutrals
Elevator	1980	N/A	2026	Elevator	Elevator Maintenance.
Receptacles	1980	20	2027	Power	Tamper-Resistant Receptacles
EM Egress	1980	N/A	2026	EM Egress	Self-Illuminating Exit Signs
EM Egress	1980	N/A	2026	EM Egress	Non-Illuminated Exit Signs
Fire pump	1983	20	2026	Fire	Corroded and broken controls
Kitchen fire	1983	20	2026	Kitchen	Kitchen fire suppression
Lavatories	1983	20	2027	Plumbing	Lacking code required anti-
Piping	1983	30	2026	Heating	Piping uses Victaulic fittings
Piping	1983	30	2026	Fire	Piping is leaking
Dust Collector	1983	20	2026	HVAC	Dust collector does not comply
Plumbing Fixtures	1983	20	2035	Plumbing	Lacking automatic flush valves
Controls	1983	15	2026	DDC	Outdated pneumatic controls,
Ventilation	1983	20	2028	Wood Shop	Wood shop lack of ventilation
Ventilation	1983	20	2028	Metal Shop	Metal shop lack of ventilation
Ventilation	1983	20	2028	Auto Shop	Automotive shop does not
Ventilation	1983	20	2026	Kitchen	Heat recovery broken
Freezers	1983	20	2028	Kitchen	Freezers utilize Ozone
Pool	1983	30	2029	Pool	Swimming pool has many leaks
Boilers	1993	30	2026	Heating	Old boilers and non-
Server room	1993	20	2028	HVAC	Server room gets too hot
Controls	1993	15	2026	DDC	Outdated pneumatic controls,
Freezers	1993	20	2028	Kitchen	Freezers utilize Ozone
Lift Station	1993	20	2028	Plumbing	Replace lift stations.
Plumbing Fixtures	1993	20	2030	Plumbing	Replace plumbing fixtures.
Heating Pumps	1993	20	2026	Heating	Replace heating pumps.
Cabinet Unit	1993	20	2027	Heating	Replace entryway heating
AHU-5	1993	20	2027	HVAC	Repair AHU-5
Boiler Room Vent	1993	20	2027	HVAC	Replace Boiler Room Vent Fan
HVAC	1993	20	2027	Kitchen	Inadequate ventilation and
Fire Pump	1993	20	2026	Kitchen	Repair Fire Pump
FA Panel	1992	20	2026	FA	Fire alarm system is
EM lighting	1992	20	2026	Lighting	EM lighting is insufficient

Telecommunicati	1992	20	2029	Telecommunic	CAT 5 and 5e Cabling
Main Gear	1992	30	2029	Power	Electrical Distribution Gear
Lighting Controls	1992	20	2028	Lighting	Lighting Controls
Intercom	1992	20	2026	PA	Intercom Headend
Light Fixtures	1992	20	2028	Lighting	Fixtures source update.
Headbolt Heaters	1992	20	2027	Power	Headbolt heater panel
Exterior Lights	2005	20	2025	Lighting	Exterior light fixtures and
Air Handlers	1992	30	2022	Air Handlers	Fan bearings have failed.
Hot Water Heater	1992	20	2026	Plumbing	One of the hot water heaters
Boilers	1992	30	2027	Heating	Old boilers and non-
Boiler	1992	NA	2027	Boiler combust	Boiler combustion air system
Controls	1992	15	2028	DDC	Outdated pneumatic controls,
Freezers	1992	20	2012	Kitchen	Freezers utilize Ozone
Kitchen hood fan	1992	30	2029	Kitchen	Kitchen hood exhaust fan
Plumbing Fixtures	1992	30	2028	Plumbing	Replace plumbing fixtures
Lift Station	1992	30	2026	Plumbing	Replace lift station
Heating Piping	1992	30	2026	Heating	Add isolation valves in utilidor
EM lighting	1992	20	2026	Lighting	EM lighting is insufficient
Telecommunicati	1992	20	2029	Telecommunic	CAT 5 and 5e Cabling
Lighting Controls	1992	20	2028	Lighting	Lighting Controls
Intercom	1992	20	2026	PA	Intercom Headend
Light Fixtures	1992	20	2027	Lighting	Fixtures source update.
Panels	1992	30	2028	Power	Panels are passed useful life.
Exterior Lights	2005	20	2027	Lighting	Exterior light fixtures and
Boilers	1986	30	2026	Heating	Old boilers and non-
Air Handler and	1986	20	2028	HVAC	Ventilation system does not
Controls	1986	15	2027	DDC	Outdated pneumatic controls
Lighting Controls	1980	20	2028	Lighting Contro	Manual controls are outdated
Telecom	1980	20	2029	Telecom	Cat 5, Cat 5e cabling are nearly
Motor Starters	1980	40	2028	Power	Electrical gear from original
Lighting	1980	20	2028	Lighting	Existing, T8, CFL and HPS
Video System		20	2026	Video System	Exterior Camera Coverage
Physical Security	N/A	N/A	2026	Physical Securi	Physical Security Addition
Branch Circuits	1980	30	2026	Power	Branch Circuit Nuisance
Intercom/Paging			2026	Intercom/Pagir	Non-functional
Fire Alarm	2021	20	2029	Fire Alarm	Fire Alarm Upgrade to Voice
Heating	1990	20	2027	Heating	Replace heating plant
Pool Water	1990	20	2029	Plumbing	Natatorium equipment failing
Pool Deck	N/A	20	2027	Ventilation	No dehumidification for pool
Waste Piping	Varies	20	2027	Plumbing	Waste pipe beyond useful life
Sewage Lift	1990	20	2027	Plumbing	Sewage lift station deficiencies
Control System	1990	20	2027	Controls	Upgrade HVAC controls
Hot Water	Varies	20	2027	Plumbing	Provide new domestic water
Air Handlers	1990	20	2027	Ventilation	Air handling units and fans at

Fire Sprinkler	1990	30	2027	Fire Sprinkler	Fire sprinkler entrance
Fuel Tank, Piping,	1990	20	2027	Plumbing	Fuel oil system deficiencies
Dust Collector	1990	20	2027	HVAC	Dust Collection system does
Voc-Ed	1990	20	2027	HVAC	Voc-ed Ventilation Upgrades
General	1990	20	2027	Ventilation	General ventilation items
Air Handlers and	N/A	20	2027	Ventilation	Rebalance ventilation systems
Various	1990	20	2027	Plumbing	Plumbing fixtures beyond
Heating	1990	20	2027	Heating	Replace heating distribution
Domestic Water	1990	30	2027	Plumbing	Replace domestic water piping
Ventilation	N/A	N/A	2026	Ventilation	Install ventilation equipment
Generator Room	1990	20	2027	Generator Ven	Generator room temperature
Heating	1990	20	2028	Heating	Replace heating system
Fire Alarm Panel	2022	15	2032	Fire Alarm	Fire alarm system parts are
Light Fixtures	?	20	2027	Lighting	Classroom lighting needs
Telecom	?	20	2027	Telecom	Cat 5, Cat 5e cabling are nearly
Lighting	?	20	2027	Lighting	Existing T8, and CFL lighting
Camera	?	20	2025	Security	Existing Bosch cameras do not
Emergency	?	10	2027	Lighting	Emergency egress lighting non-
Panel 'EA'	1990	30	2027	Power	Working space violation
Headend and	1990	25	2027	Intercom	Headend equipment has
Bell System	?	30	2027	Bell System	Bell system is non-functional.
Clocks	?	20	2027	Clock System	Clocks no longer auto sync.
DOORS			2028	DOORS	KITCHEN DOORS/ROLL UPS
Apple Devices	2020	7	2025	Computers	Equitable Access to

Description of Issue	Recommended Solution
Heating pumps seals leaking. Heat recovery system	Replace pumps with wet rotor pumps.
Unit heaters, Fan room piping, valves and air vents	Replace heating piping mains, piping in
The portions of the control system not upgraded in	Replace the building control system with a
Controls installed in 2012 are not working	Perform retro-commissioning of controls
Existing chemical feed controller is not functional.	Repair or replace chemical feed
Sprinkler heads are not quick response. Heads are	Upgrade sprinklers in the building to quick
Air Handling units are at the end of their useful life	Refurbish Air handling units AHU-1
The dust collector does not meet NFPA/IMC	Replace dust collector with system that
Ventilation systems for wood shop does not	Upgrade wood shop exhaust systems to
The freezers utilize R-22 and R404A which has a	When the condensers need repair,
Single wall fuel tank is nearing end of useful life	Replace single wall fuel tank with double
Boiler is not piped primary secondary. Boilers,	Provide new boilers piped primary
The fintube Heating equipment is near end of	Provide new fintube heating with heavy
There is no ventilation for living areas.	Provide new Panasonic bathroom exhaust
Boiler is not piped primary secondary. Glycol tank,	Re-pipe existing boiler primary secondary.
Boiler is not piped primary secondary. Boilers,	Provide new boilers piped primary
The fintube Heating equipment is near end of	Provide new fintube heating with heavy
The pool is out of commission.	Repair swimming pool systems.
The clock/intercom system has never worked	Troubleshoot and repair system until
The existing lighting fixtures are fluorescent (T8)	Upgrade existing lighting to LED.
Johnson Controls #Metasys Fire Alarm control	Replace fire alarm panel with new voice
Panelboards are as old as the school, and becoming	Replace as necessary. Panelboards should
The existing lighting fixtures are fluorescent (T8)	Upgrade existing lighting to LED.
In bathroom no GFCI receptacle installed next to	Replace receptacle with new GFCI
Meters are corroded and will need to be replaced	Replace meter with new.
Emergency lighting in common areas needs to be	Replace with similar LED type emergency
Boiler room ventilation and combustion air system	Revise the combustion and ventilation air
Water heater is past its reaonable service life,	Replace water heater and associated
The fire sprinkler piping in the boiler room is not	Install bracing.
All kitchen plumibng fixture trim and piping is	Replace deficient fixtures/trim with new
Type 1 grease hood is not large enough to contain	Replace Type 1 hood with new unit that
The deck drains do not comply with code and	Replace all natatorium equipment, drains,
The existing boilers were installed in 2009 and	Modify boiler piping by adding individual
Single wall fuel tank is corroding does not have	Replace tank with double wall unit with
The generator relief air damper is controlled/set	Provide damper motor for the relief
The dust collector does not meet NFPA/IMC	Replace dust collector with system that
Ventilation systems for wood shop and metal shop	Upgrade exhaust and make-up air systems
(1) Metal Shop kiln vent and hood poorly	Upgrade deficiencies indicated.
(1) AHU-1 through AHU-5, AHU-10, MAU-1 are in	(1) Refurbish units with new premium
Storage 154A next to the boiler room houses	Install a dedicated HRV in the space, with

The condition of plumbing fixtures varies	Replace all existing fixtures and associated
(1) Unit heaters and cabinet unit heaters	(1) Replace all unit heaters and cabinet
Generator is 38 years old and is nearing end of life.	Recommend performing add alt work
Plumbing fixtures and piping are at end of useful	Provide new plumbing fixtures, new PEX
The fintube Heating equipment is near end of	Provide new fintube heating, provide
Boilers, pumps and associated equipment are	Provide new boilers piped primary
The fintube Heating equipment is near end of	Provide new fintube heating, provide
Existing services routed in Arctic pipe to school	Provide water/sewer services to housing
Teacher housing building is currently fed from the	Provide new separately metered service
Panel within the building is old, outdated, and	Replace panel with new.
Panel within the building is old, outdated, and	Replace panel with new.
Windings in Generator are damaged.	Repair or replace generator.
Feeders for out building from main garage are not	Replace feeder with appropriately sized
Storage out buildings are feeding lighting and	Add breaker box or fused disconnect to
Mechanical code requires continuous exhaust in a	Install required exhaust fan. Correct
Most of the building is operating with pneumatic	Replace the pneumatic controls with a
Boilers are approaching life expectancy. They are	Modify boiler piping by adding individual
One of the fuel oil pumps have failed	Replace the broken pump and test all
The dust collector does not meet NFPA	Replace dust collector with system that
The deck drains do not comply with code, the liner	Replace all natatorium equipment, drains,
Combustion air openings in floor are covered up	When boilers are remodeled add a vent
Ahu-7 is much older and in worse shape than the	Ahu-7 is much older and in worse shape
The rooms cannot maintain temperature setpoint.	The boilers are oversized and piped
Water storage tanks and booster pump for fire	Demolish abandoned water tanks,
The school intercom is a Rauland #MCX300	Replace intercom and bell system
The lighting controls is part of the Johnson control	Consider replacing lighting control panel
The existing communication cabling is a mix of Cat	Replace Cat 5 cables and equipment with
The existing lighting fixtures are a combination of	Upgrade existing lighting to LED.
Existing door contacts and motion sensors are not	Remove/abandon existing perimeter door
Conduit, boxes and devices were showing signs of	Replace electrical wiring and equipment
All of the gym sound system headend equipment is	Replace gym sound system headend
Motors are experiencing damage and issues related	Provide SPD protection for the motors
Current clock system is no longer functioning.	Replace with new clock system per NSBSD
The dust collector does not meet NFPA	Replace dust collector with system that
The sanitary waste piping from high school, kitchen	Replace sanitary waste piping. Install new
Heat Recovery Ventilator in maintenance and	Provide new heat recovery ventilators
Natatorium C-32, pool drained due to leaking liner.	Recommend repairing or replacing pool
It was reported that the kitchen panel was reading	Investigate cause for low voltage at all
Various units are not holding doors open properly.	Troubleshoot and replace circuits or
Double wall fuel tank is corroding, has faded	Replace tank with double wall unit with
The domestic hot water tempering valve is past its	Refurbish or replace hot water
The generator ventilation system dampers have	Replace dampers and room temperature
The main fire pump is leaking with standing water	Replace fire pump and jockey pump. On
DH-1 appears to be in moderate condition but the	Replace unit. Replace floor drain grid

The deck drains do not comply with code, the liner	Replace all natatorium equipment, drains,
The emergency shower assembly does not have a	Install tempering valve with cold and hot
The lift station lid is not sealed air tight, which	Provide air tight lid on lift station.
The dishwasher hot water heater temperature and	Pipe the dishwasher temperature and
The eyewash in the space does not have the code	Install valve.
Boilers are piped in a primary only piping system.	Modify boiler piping by adding individual
Air handler is in poor condition. Pre-heat coil and	Two options may be considered. Opt. 1:
AHU-9 heating coil has corrosion and leaking at	Replace unions and corroded pipe.
The ventilation system for cooling the space is not	Replace the ventilation fan and dampers
The air handler disconnect is installed with a duct	Relocate the disconnect. May be able to
The heat trace installed in the VTR is penetrating	Patch the hole and provide a new hole for
The room does not have any ventilation. It was	Provide ventilation for space to remove
The dust collector does not meet NFPA/IMC	Replace dust collector with system that
The paint booth does not meet NFPA/IMC	Replace paint booth with system that
Ventilation systems for wood shop and metal shop	Upgrade exhaust and make-up air systems
Kiln in welding room does not have any ventilation	Install ventilation system for kiln.
Various rooms and pieces of equipment gave	Review control system programming and
It appears that an HRV was installed in the space by	Provide proper support for the HRV and
(1) Fan room 201, VTR heat trace is installed with	(1) Patch the hole and provide a new hole
(1) Kitchen dishwasher hood exhaust fan only	(1) Provide dishwasher hood exhaust fan
(1) considerable amount of saw dust in crawlspace	(1) Clean up sawdust and provide better
(1) AHU-1(E), AHU-2(E) are in poor condition. The	(1) Refurbish units with new having
(1) Vestibule 118 baseboard enclosures are in poor	(1) Replace enclosures (2) Fix baseboard
Boiler B-2 fuel pump has failed and needs to be	Replace B-2 fuel pump.
The heating system is coffee colored indicating it	Replace glycol.
Floor grilles in the gym are damaged and need to	Replace damaged floor grilles.
AHU-8 and EF-3 are not working and hence the	Repair AHU-8 and EF-3.
The controls have failed in most of the school and	Replace existing HVAC system with new.
A storage room was constructed in side warehouse	Add fire sprinkler to unprotected space.
Several of the emergency lighting units tested had	Replace emergency lighting units
Counselor 102: Open junction box adjacent to	Provide covers for open junction boxes
Johnson Controls #Metasys Fire Alarm control	Replace fire alarm panel. Upgrade devices
Cameras C15, C18, C20 not functioning and not	Troubleshoot cameras and replace if
Exterior lighting would not shut off during the day.	Troubleshoot and investigate why
Motor controller center 'O' is obsolete and does	Replace existing outdated equipment on a
Wood Shop 155: Crawlspace lights do not work.	Provide new LED screw-in bulbs for
Generator will need a complete overhaul. Runs	Schedule overhaul of genset during time
Maintenance would like the ability to run generator	Reprogram ATS to accept school load
Fire pump controller is outdated.	Replace with new Fire Pump controller
The existing lighting fixtures are a combination of	Upgrade existing lighting to LED.
Welding 153: Sprinkler head directly over Kiln, may	Verify sprinkler head temperature and
Re-lite window in door between Gym and Hall 132	Adjust mounting so mounted securely.
Walk-in Freezer and Refrigerator: Doors don't close	Adjust door hardware so doors close
The PA system is feint when it works at all.	Troubleshoot and replace/repair

Exposed feeders within the utility building appears	Remove #3/0 feeders cut and cap conduit
Control wiring is routed in plumbing piping instead	Replace piping with listed raceway or
Panelboards and motor starters from original	Replace existing equipment on a one-for-
The lighting controls are part of the Johnson	Consider replacing lighting control panel
Johnson Controls #Metasys Fire Alarm control	Replace panel with new voice evacuation
The existing communication cabling is a mix of Cat	Replace Cat 5 cables and equipment with
The school intercom is a Rauland #MCX300	Replace intercom and bell system
The existing lighting fixtures are a combination of	Upgrade existing lighting to LED.
Many of the receptacles mounted in kitchens or	Replace one-for-one devices which
The existing lighting controls are outdated and is	Replace with new system in existing
Existing distribution system has no equipment	Add equipment grounding conductor for
Many branch circuits in the school are sharing	Provide branch circuit breaker handle ties
Elevator was not functional and had not been	Provide maintenance or replace elevator
Current NEC requires Tamper-Resistant receptacles	Replace receptacles in school with
Self-Illuminating type exit signs in use at the facility	Replace self-illuminating type exit signs
Non-Illuminated type exit signs in use at the facility	Replace non-illuminated type exit signs
The fire pump is located in the pool mechanical	Replace wiring and controls as required to
A part of the kitchen fire suppression system has	Repair and test kitchen fire suppression
Lavatories are lacking code required anti-scald	Provide anti scald valves
Vicaulic fittings used on heating piping leaks,	Replace Vicaulic fittings or replace piping
Fire sprinkler piping has many leaks, and	Repair/replace all of the sprinkler piping
Dust collector does not comply with NFPA 664	Replace dust collector system with code
The toilets, urinals and faucets are manually	Replace flush valves and faucets with
Most of the building is operating with pneumatic	Replace the pneumatic controls and
Wood shop lack of ventilation does not comply	Provide new ventilation system in wood
Metal shop lack of ventilation does not comply	Provide new ventilation system in metal
Automotive shop does not comply with ASHRAE 62	Provide new ventilation system in
The kitchen exhaust system heat recovery unit is	Repair heat recovery equipment for
The kitchen freezers utilize Ozone depleting	Replace the freezers refrigeration systems
Swimming pool membrane has many leaks and	Drain pool and repair or replace
Boilers are approaching life expectancy. They are	Replace boilers and modify piping by
The server room is cooled by a local VAV box. It	Provide a new split system cooling unit for
Most of the building is operating with pneumatic	Replace the pneumatic controls and
The kitchen freezers utilize Ozone depleting	Replace the freezers refrigeration systems
There are four lift station and all are in poor	Replace lift station and near lift station
The plumbing fixtures are past their useful life.	Replace plumbing fixtures.
The heating pumps are beyond their useful life and	Replace the heating pumps.
The entryway cabinet unit heaters are beyond their	Replace cabinet unit heaters.
AHU-5 fan motor has failed.	Replace AHU-5 fan motor and provide a
The boiler room ventilation fan is beyond its useful	Replace the boiler room fan.
Large portions of the school does not have	Provide adequate ventilation/cooling for
The fire pump is heavily corroded.	Repair fire pump and have pump
New addressable system would improve	Replace conventional system with new
Most of the EM lighting was inoperable or expired.	Replace EM lighting with new LED and

Cabling is obsolete and past its useful life.	Replace system with newer CAT formats
Equipment is passed its useful life.	Replace when equipment is required to
Control system is passed its useful life.	Replace lighting controls with light
Intercom headend system is obsolete	Replace intercom headend with newer
Existing T8, CFL, and HPS lighting not as energy	Replace with newer LED recommend
Breakers are corroded and panel is passed its	Replace equipment with newer that is
LED lights and circuits are corroding and need to be	Replace lights and circuits with materials
Several of the large fans have bad bearings and	Repair bearings on fans.
One of the hot water heaters is past expected life	Replace water heater with new one.
Boilers are approaching life expectancy. They are	Replace boilers and modify piping by
Boiler combustion air does not have filters and	Modify air inlet of combustion air fan and
Most of the building is operating with pneumatic	Replace the pneumatic controls and
The kitchen freezers utilize Ozone depleting	Replace the freezers refrigeration systems
The kitchen hood exhaust fan is located high above	Relocate the fan to allow cleaning and
The plumbing fixtures are beyond their useful life	Relocate the fan to allow cleaning and
One of the lift stations is failing and needs to be	Rebuild lift station including control panel,
There leaking flanges that need to be repaired but	Add isolation valves to the heating system
Most of the EM lighting was inoperable or expired.	Replace EM lighting with new LED and
Cabling is obsolete and past its useful life.	Replace system with newer CAT formats
Control system is passed its useful life.	Replace lighting controls with light
Intercom headend system is obsolete	Replace intercom headend with newer
Existing T8, CFL, and HPS lighting not as energy	Replace with newer LED recommend
277/480V, branch circuit panels are no longer	Replace the unsupported panels anytime
LED lights and circuits are corroding and need to be	Replace lights and circuits with materials
Boilers are approaching life expectancy. They are	Replace boilers and modify boiler piping
HVAC system is undersized to meet current	Replace branch ductwork and air handler
Most of the building is operating with pneumatic	Replace the pneumatic controls with a
Lighting controls are outdated and in all areas	Consider replacing manual controls with
The existing communication cabling is a mix of Cat	Replace Cat 5 cables and equipment with
Motor starters from original construction are past	Replace existing equipment from a one-
The existing lighting fixtures are a combination of	Upgrade existing lighting to LED.
There is limited exterior video camera coverage of	Provide new exterior camera coverage of
There is currently no physical security system in	Provide new building wide physical
Per conversations with on-site personnel,	Provide additional circuit from existing
Currently the only intercom/paging system in place	Repair/replace existing VOIP phone
Existing Fire alarm system is not a voice evac	Recommend a code study of building be
The heating plant is made up of three boilers, only	Demolish existing boiler plant and all
hvac system is undersized to meet current	Replace all natatorium equipment, drains,
The pool deck does not have any dehumidification,	Install a dehumidification unit for the pool
The waste pipe throughout the building is failing.	Replace waste piping throughout the
Both sewage lift stations in the building have	Replace both lift stations in their entirety
The building HVAC system is operated using a	Replace the existing controls with a new
The building is provided with domestic hot water	Install new hot water generators of same
ASU-1 through ASU-5 and AHU-8 (High School),	Replace with new units having premium

System is nearing end of useful life expectancy.	Demolish fire sprinkler service entrance
Double wall fuel tank is corroding, has faded	Replace tank with double wall unit with
The dust collector does not meet NFPA/IMC	Replace dust collector with system that
Ventilation systems for wood shop and metal shop	Upgrade exhaust and make-up air systems
(1) Storage 108 clothes dryer not ducted to exterior	Upgrade deficiencies indicated.
The pressure differences within the building were	Balance ventilation systems throughout
The plumbing fixtures are in moderate to poor	Replace plumbing fixtures throughout the
The majority of the heating system is almost 30	Demolish existing heating system and
The domestic water distribution piping is near its	Replace domestic water piping with new
The building frequently has vehicles starting inside,	Install a ventilation system that will run
The generator ventilation system dampers are in	Replace dampers, damper motors and
The existing heating distribution system and	Replace heating piping, terminal heating
Johnson Controls #Metasys Fire Alarm control	Replace fire alarm panel with new voice
10% of the light fixtures in the classrooms needed	Replace lamps and/or ballast. Replace full
The existing communication cabling is a mix of Cat	Replace Cat 5 cables and equipment with
The existing lighting fixtures are fluorescent (T8	Upgrade existing lighting to LED.
Existing Bosch System and Cameras obsolete and	Upgrade existing cameras to new PoE
Approx. 80% of all emergency egress battery	Recommend complete building lighting
There is a water pipe that is violating the working	It would likely be easier to relocate Panel
The intercom head end power supply makes a loud	Recommend upgrading the existing
Bell systems was disabled recently as someone	Recommend integrating a new bell
The clock systems sync function has failed and in	Provide new clock system with sync

NSBSD is seeking support in the form of a Capital of equity in current devices and can

2024 RAS Update	NSBSD PM NOTES	FY18 Approx	FY25 Estimated Cost
No change noted.			\$75,000.00
No change noted.			\$150,000.00
No change noted.			\$80,000.00
No change noted.			\$30,000.00
No change noted.		\$40,000.00	\$56,000.00
No change noted.		\$550,000.00	\$770,000.00
No change noted.		\$450,000.00	\$630,000.00
No change noted.		\$150,000.00	\$210,000.00
No change noted.		\$200,000.00	\$280,000.00
No change noted.		\$200,000.00	\$280,000.00
Tank was replaced			\$50,000.00
No change noted.			\$400,000.00
No change noted.			\$30,000.00
No change noted.			\$4,000.00
No change noted.			\$150,000.00
No change noted.			\$75,000.00
No change noted.			\$25,000.00
New item.			\$1,000,000.00
Clock system was		\$300,000.00	\$420,000.00
No change noted.	AMT. TO ADD OTHER LIGHTING		\$400,000.00
FACP upgraded to		\$550,000.00	\$770,000.00
No change noted.		\$260,000.00	\$364,000.00
No change noted.			\$2,000.00
No change noted.			\$ -
No change noted.			\$10,000.00
New item.			\$2,000.00
No change noted.	WOULD NEED TO BE DONE WITH	\$80,000.00	\$112,000.00
No change noted.		\$40,000.00	\$56,000.00
No change noted.	TACK ON TO GENERATOR PROJ	\$15,000.00	\$21,000.00
Item Addressed	WATER HEATER & GREASE TRAP	\$50,000.00	\$70,000.00
No change noted.		\$180,000.00	\$252,000.00
No change noted.	NEW CONTROLS; NEEDS TRAINING.	\$350,000.00	\$490,000.00
No change noted.	PRIORITY CHANGED FROM 2-1	\$200,000.00	\$350,000.00
No change noted.	TANKS REPLACED. USED TO HAVE		\$90,000.00
Item Addressed	PRIORITY LEVEL CHANGED FROM 2-	\$400,000.00	\$560,000.00
No change noted.			\$100,000.00
No change noted.	CHANGED PRIORITY FROM 2-1	\$240,000.00	\$336,000.00
No change noted.	TACK ON TO GENERATOR	\$185,000.00	\$259,000.00
No change noted.		\$195,000.00	\$273,000.00
No change noted.		\$245,000.00	\$343,000.00

Item Addressed		\$35,000.00	\$49,000.00
No change noted.		\$110,000.00	\$154,000.00
New Item	PRIORITY LEVEL CHANGED 2-1		\$200,000.00
No change noted.			\$150,000.00
No change noted.			\$200,000.00
No change noted.	321 IN NEED.		\$20,000.00
No change noted.			\$200,000.00
No change noted.			\$500,000.00
No change noted.	CHANGED FROM PRIORITY 3-5		\$100,000.00
No change noted.	CHANGED FROM PRIORITY 3-2		\$10,000.00
No change noted.			\$8,000.00
New item.	CIPM PROJECT NEW SCHOOL		\$100,000
New item.			\$10,000.00
New item.			\$25,000.00
No change noted.	PAINT STORAGE ROOM IS NO		\$40,000.00
No change noted.		\$250,000.00	\$350,000.00
Boilers have failed	Old boilers working; new boilers	\$350,000.00	\$490,000.00
No change noted.	RECTIFIED DURING UIC UPGRADE &		\$50,000.00
No change noted.		\$200,000.00	\$280,000.00
No change noted.		\$400,000.00	\$560,000.00
No change noted.	VENT SYSTEM ADDED. FLOOR	\$30,000.00	\$42,000.00
No change noted.		\$250,000.00	\$350,000.00
No change noted.	BOILERS HAVE BEEN DELIVERED;		\$150,000.00
No change noted.			\$20,000.00
No change noted.		\$300,000.00	\$420,000.00
No change noted.			\$150,000.00
No change noted.		\$200,000.00	\$280,000.00
No change noted.	300 OUT OF THE 600 LED DUAL		\$600,000.00
No change noted.	No system is in place.		\$200,000
No change noted.		\$1.00	\$1,000,000.00
No change noted.	REMOVED DURING 2024 SUMMER	\$100,000.00	\$140,000.00
New Item			\$100,000
New Item	ALREADY A PROJECT		\$400,000.00
No Change Noted		\$180,000.00	\$252,000.00
Pipe is failing. See		\$100,000.00	\$140,000.00
Ventilation upgraded			\$25,000.00
New Item			\$500,000.00
No Change Noted			\$20,000.00
New Item	AFS		\$20,000
No change noted.		\$150,000.00	\$210,000.00
No change noted.			\$150,000
No change noted.		\$200,000.00	\$280,000.00
No change noted.		\$250,000.00	\$350,000.00
No change noted.		\$150,000.00	\$210,000.00

No change noted.		\$1,900,000.00	\$2,660,000.00
No change noted.			\$ -
No change noted.			\$ -
No change noted.			\$ -
No change noted.			\$ -
No change noted.		\$250,000.00	\$350,000.00
No change noted.		\$100,000.00	\$140,000.00
No change noted.			\$ -
No change noted.		\$100,000.00	\$140,000.00
No change noted.			\$ -
No change noted.			\$10,000
No change noted.		\$350,000.00	\$100,000.00
No change noted.		\$200,000.00	\$280,000.00
No change noted.		\$100,000.00	\$140,000.00
No change noted.		\$250,000.00	\$350,000.00
No change noted.		\$50,000.00	\$70,000.00
No change noted.			\$ -
No change noted.			\$ -
No change noted.			\$ -
No change noted.			\$20,000
No change noted.			\$ -
No change noted.		\$200,000.00	\$280,000.00
No change noted.			\$100,000
New item.			\$ -
New item.			\$ -
New item.			\$ -
New item.			\$ -
New item.			\$400,000
New item.			\$15,000
No update.			\$80,000
No update.			\$80,000
FACP upgraded to		\$450,000.00	\$630,000.00
No change noted.			\$250,000
No change noted.			\$ -
No change noted.			\$250,000
No change noted.			\$
No change noted.		\$300,000.00	\$420,000.00
No change noted.		\$60,000.00	\$84,000.00
No change noted.			\$40,000
No change noted.			\$250,000
No change noted.		\$1,000.00	\$1,400.00
No change noted.			\$ -
No change noted.			\$ -
New item.			\$200,000

No change noted.		\$70,000.00	\$98,000.00
No change noted.			\$175,000.00
Electrical gear in	CHANGED PRIORITY FROM 3-2;	\$450,000.00	\$630,000.00
Lighting control		\$450,000.00	\$630,000.00
Next Fire Alarm	CHANGED PRIORITY FROM 1-3;	\$900,000.00	\$1,260,000.00
No change noted.	REGGIE	\$550,000.00	\$770,000.00
Intercom system	CHANGED PRIORITY FROM 3-1;	\$450,000.00	\$630,000.00
No change noted.	CHANGED PRIORITY FROM 3-1;	\$300,000.00	\$420,000.00
No change noted.		\$200,000.00	\$280,000.00
No change noted.	PRIORITY CHANGED FROM 3-1		\$225,000.00
No change noted.		\$350,000.00	\$490,000.00
New item.			\$30,000.00
New item.	NEEDS NEW EQUIPMENT.		\$350,000.00
New item.			\$200,000.00
New item.	PRIORITY CHANGED FROM 2-1		\$50,000.00
New item.	PRIORITY CHANGED FROM 2-1		\$150,000.00
No change noted.	PIPING NEEDS TO BE REPLACED;	\$100,000.00	\$140,000.00
No change noted.		\$70,000.00	\$98,000.00
No change noted.			\$20,000.00
No change noted.	PRIORITY CHANGED FROM 2-1	\$1,500,000.00	\$2,100,000.00
No change noted.	PRIORITY CHANGED FROM 2-1	\$2,000,000.00	\$2,800,000.00
No change noted.	PRIORITY CHANGED FROM 2-1;	\$400,000.00	\$560,000.00
No change noted.	TOILETS ARE AUTOFLUSH BUT NOT	\$450,000.00	\$630,000.00
Partially addressed;	PRIORITY CHANGED FROM 3-1	\$900,000.00	\$1,260,000.00
No change noted.	PRIORITY CHANGED FROM 3-2	\$300,000.00	\$420,000.00
No change noted.	PRIORITY CHANGED FROM 3-2	\$300,000.00	\$420,000.00
No change noted.	PRIORITY CHANGED FROM 3-2	\$650,000.00	\$910,000.00
No change noted.	PRIORITY CHANGED FROM 3-2	\$50,000.00	\$70,000.00
Partially addressed;	PRIORITY CHANGED FROM 3-2	\$150,000.00	\$210,000.00
Pool was replaced,	PENDING LINER		\$1,000,000.00
The boilers are	PRIORITY CHANGED FROM 2 -1	\$500,000.00	\$700,000.00
No change noted.	SPLIT AIR CONDITIONING IS		\$50,000.00
Outdate and non-	PRIORITY CHANGED FROM 2-1,	\$650,000.00	\$910,000.00
No change noted.		\$180,000.00	\$252,000.00
New item.			\$ -
New item.			\$200,000.00
New item.	PRIORITY CHANGED FROM 3-1;		\$350,000.00
New item.			\$80,000.00
New item.	AHU-5 HAS BEEN REPAIRED - VFD		\$25,000.00
New item.	PRIORITY CHANGED FROM 2-1		\$15,000.00
New item.	MOST OF THE COMPLAINTS		\$10,000,000.00
New item.			\$20,000.00
FACP upgraded to	PRIORITY CHANGED FROM 2-1.		\$500,000.00
No change noted.			\$250,000.00

No change noted.	REGGIE	\$170,000.00	\$238,000.00
No change noted.			\$1,000,000.00
No change noted.	PRIORITY CHANGED FROM 3-2		\$350,000.00
No change noted.	PRIORITY CHANGED FROM 3-1.	\$300,000.00	\$420,000.00
No change noted.	PRIORITY CHANGED FROM 3-1.		\$600,000.00
No change noted.			\$400,000.00
New item.	PRIORITY CHANGED FROM 3-1.		\$350,000.00
No change noted.	Frequency drives and return fans		\$200,000.00
No change noted.	Hot water heaters on site. Install	\$30,000.00	\$42,000.00
No change noted.		\$400,000.00	\$560,000.00
No change noted.		\$150,000.00	\$210,000.00
No change noted.	priority # changed; just tech	\$500,000.00	\$700,000.00
No change noted.		\$200,000.00	\$280,000.00
No change noted.		\$100,000.00	\$140,000.00
New item.			\$400,000.00
New item.	SMALLER LIFT STATION (D WING)		\$200,000.00
New item.	PRIORITY # CHANGED FROM 3 -1		\$200,000.00
No change noted.	EM BALLASTS - WERE THESE		\$100,000.00
No change noted.	REGGIE		\$350,000.00
No change noted.			\$200,000.00
No change noted.		\$450,000.00	\$630,000.00
No change noted.			\$500,000.00
New item.			\$500,000.00
New item.	POLE LIGHTING AND BUILDING		\$500,000.00
No change noted.			\$200,000.00
No change noted.			\$250,000.00
No change noted, a	PRIORITY CHANGED FROM 3-1		\$70,000.00
No change noted.			\$10,000.00
No change noted.			\$50,000.00
No change noted.			\$275,000.00
No change noted.	PRIORITY CHANGED FROM 3-2		\$80,000.00
New item.	GENETEC REPLACEMENT CIPM		\$150,000
New item.	GENETEC REPLACEMENT CIPM		\$200,000
New item.			\$8,000.00
New item.	FIRE PANEL REPLACED, CIPM		\$200,000
New item.	FIRE PANEL UPGRADED, DOES NOT		\$300,000
No change noted.		\$400,000.00	\$560,000.00
No change noted.		\$1,750,000.00	\$2,450,000.00
No change noted.		\$190,000.00	\$266,000.00
No change noted.		\$200,000.00	\$280,000.00
No change noted.		\$120,000.00	\$168,000.00
No change noted.		\$395,000.00	\$553,000.00
No change noted.		\$110,000.00	\$154,000.00
No change noted.		\$510,000.00	\$714,000.00

No change noted.		\$540,000.00	\$756,000.00
No change noted.		\$185,000.00	\$259,000.00
No change noted.		\$185,000.00	\$259,000.00
No change noted.		\$310,000.00	\$434,000.00
No change noted.		\$310,000.00	\$434,000.00
No change noted.		\$21,000.00	\$29,400.00
No change noted.		\$190,000.00	\$266,000.00
No change noted.		\$270,000.00	\$378,000.00
No change noted.		\$330,000.00	\$562,000.00
No change noted.		\$350,000.00	\$490,000.00
No change noted.		\$200,000.00	\$280,000.00
No change noted.		\$220,000.00	\$308,000.00
Fire Alarm was		\$560,000.00	\$784,000.00
No change noted.		\$190,000.00	\$266,000.00
No change noted.		\$235,000.00	\$329,000.00
No change noted.		\$260,000.00	\$364,000.00
No change noted.		\$245,000.00	\$343,000.00
New item.			\$400,000.00
New item.			\$20,000.00
New item.	CIPM FIRE ALARM FIRE PANEL		\$350,000
New item.	CIPM FIRE ALARM FIRE PANEL		\$300,000
New item.	CIPM FIRE ALARM FIRE PANEL		\$250,000
	NEW		\$2,000,000
New Item	NEW		\$2,425,450.00

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ALAK SCHOOL	Completed 2025
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ALAK SCHOOL	2027 Remodel
ALAK SCHOOL	2027 Remodel
ALAK SCHOOL	2027 Remodel
DW	

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Deficiency Code: 1-Health/Life Safety, 2-Operating Cost Savings, 3-Technical Upgrade, 4-Code Upgra
Priority: 1-Highest Priority/imminent failure, 2-Repair/remodel within 3 years, 3- Repair/remodel 3-

SITE	Building	Code	Priority	Project Type	Equipment	Installed
AKP	School	6	2	Plumbing	Fixtures	Varies
AKP	School	6	2	Plumbing	Waste	Varies
AKP	School	4	2	Plumbing	Piping	Varies
AKP	School	6	2	Plumbing	Piping	1992
AKP	School	4	2	Plumbing	Eyewash	Varies
AKP	School	4	3	HVAC	Range Hood	2012
AKP	Housing	6	2	Plumbing	Generators	1993
AKP	Housing	6	2	HVAC	HRV	1993
AKP	Hill House 345	6	2	Fuel Oil	Fuel Tank	1993
AKP	Hill House 345	6	2	HVAC	Furnace	2014
AKP	Tri-Plex 4005	6	2	Plumbing	Fixtures	1980
AKP	Tri-Plex 4005	6	2	Plumbing	Generator	1993
AKP	Tri-Plex 4005	6	2	HVAC	Ventilation	N/A
AKP	Tri-Plex 4005	4	2	Plumbing	Piping	Varies
AKP	5-Plex	6	2	Plumbing	Generator	1999
AKP	5-Plex	6	2	HVAC	Ventilation	N/A
AKP	5-Plex	4	2	Plumbing	Piping	Varies
AKP	School	1	1	Fire Sprinkler	Piping	Varies
AKP	Hill House	3	2	Plumbing	Piping	2022
AKP	School	2	2	Lighting	Lighting	2009
AKP	School	4	3	Distribution	Conduit	1980s
AKP	School	4	2	Distribution	Range Hoods	2012
AKP	School	7	2	Distribution	Receptacles	2012
AKP	All Housing	4	2	Lighting	Wiring	?
AKP	All Housing	1	1	Fire Alarm	Detectors	Varies
AKP	Hill House 345	1	1	Lighting	Lighting	?
AKP	345, Tri-plex,	4	1	Distribution	Receptacles	Varies
AKP	Hill House 345	4	2	Service	Breakers	?
AKP	Tri-Plex 4005	4	1	Distribution	Panelboards	?
AKP	5-Plex	4	2	Service	Breakers	Varies
AKP	5-Plex	4	1	Distribution	Panelboards	?
AKP	All Housing	6	2	Distribution	Range	Varies
ATQ	School	1	1	Plumbing	155, Wood	1984?

ATQ	Meade River School	6	2	Plumbing	Various	Varies
ATQ	Meade River School	6	3	DDC Controls	Control System	2020
ATQ	Meade River School	3	3	HVAC	Heating System	2020
ATQ	Meade River School	2	3	Lighting	Lighting	?

ATQ	Meade River School	6	3	Lighting	Lighting	?
KAK	Single Family Residence #321, 323, 325, 327	6	2	HVAC	Exhaust	1980
KAK	Single Family Residence #321, 323, 325, 327	6	6	Plumbing	Domestic Water Piping	2020
KAK	All Housing	4	3	Power Distribution	Receptacles	Late 1980s
KAK	All Housing	4	3	Power Distribution	Breakers	Late 1980s
KAK	Interim School	6	2	Power Distribution	Heaters	2010
KAK	Storage Facilities	4	2	Power Distribution	Service Disconnect	Unknown
KAK	Storage Facilities	3	3	Low-Voltage Systems	FA, Security, PA, etc.	Various

NUI	Trapper School	2	2	Heating	Waste Heat	1997
PHO	Tikigaq School	4	2	Plumbing	Waste Pipe	--
PHO	Tikigaq School	4	2	Plumbing	Arctic Pipe	2017
PHO	Tikigaq School	1	1	Plumbing	Insulation	2017
PHO	Tikigaq School	6	2	Plumbing	Infrared Sensors	2017
PHO	Tikigaq School	4	1	Plumbing	Hot Water Generator	2017
PHO	Tikigaq School	6	2	Plumbing	Lavatory	2017
PHO	Tikigaq School	6	2	Plumbing	Sink	2017
PHO	Tikigaq School	6	2	Plumbing	Sink	2017
PHO	Tikigaq School	1	1	Plumbing	Dishwasher	1989
PHO	Tikigaq School	5	2	Plumbing	Dishwasher	1989
PHO	Tikigaq School	1	1	Plumbing	Sink	1989
PHO	Tikigaq School	4	2	Plumbing	Sink	1989
PHO	Tikigaq School	6	2	Plumbing	Sink	1989

PHO	Tikigaq School	6	2	Plumbing	Sink	1989
PHO	Tikigaq School	5	2	Heating	Hot Water Generator	2017
PHO	Tikigaq School	6	3	Plumbing	Hot Water Generator	2017
PHO	Tikigaq School	6	2	Plumbing	Sink	2017
PHO	Tikigaq School	4	2	Plumbing	Waste Pipe	1989
PHO	Tikigaq School	4	2	Plumbing	Vent Pipe	1989
PHO	Tikigaq School	6	2	Plumbing	Lavatory	1989
PHO	Tikigaq School	6	2	Heating	Heating Pump	2015
PHO	Tikigaq School	5	1	Heating	Unit Heaters	--
PHO	Tikigaq School	2	2	Heating	Cabinet Unit Heater	--
PHO	Tikigaq School	5	1	Heating	Unit Heater	2017
PHO	Tikigaq School	5	2	Heating	Hot Water Generator	2015
PHO	Tikigaq School	5	2	Heating	Heating Pipes	2015

PHO	Tikigaq School	1	1	Plumbing	Cooking Equipment	1989
PHO	Tikigaq School	4	2	HVAC	Air Handler	2016
PHO	Tikigaq School	6	2	HVAC	Air Handler	2016
PHO	Tikigaq School	4	2	HVAC	Air Handler	2016
PHO	Tikigaq School	6	2	HVAC	Lab Hood	--
PHO	Tikigaq School	4	2	HVAC	Fan	2015
PHO	Tikigaq School	4	2	HVAC	Exhaust Hood	1989
PHO	Tikigaq School	4	2	HVAC	Make Up Air Unit	1989
PHO	Tikigaq School	6	3	HVAC	Diffusers	2015
PHO	Tikigaq School	6	2	HVAC	Air Handler	2015
PHO	Tikigaq School	6	2	DDC Controls	Controls	2017
PHO	Tikigaq School	2	2	DDC Controls	Controls	2017

PHO	Tikigaq School	2	2	DDC Controls	Controls	2017
PHO	Tikigaq School	2	2	DDC Controls	Controls	2017
PHO	Tikigaq School	2	2	DDC Controls	Controls	2017
PHO	Tikigaq School	6	2	Heating	Boiler Control Panel	2015
PHO	Tikigaq School	2	2	Heating	Air Handler	2016
PHO	Tikigaq School	6	2	DDC Controls	Controls	2017

PHO	Tikigaq School	6	3	Fire Sprinkler	Sprinkler	2017
PHO	Tikigaq School	6	3	Power Distribution	Panel 'H'	1980
PHO	Tikigaq School	7	3	Power Distribution	Gym Curtain/Backboards	2011
PHO	Tikigaq School	6	3	Power Distribution	Panel 'SH'	2011
PHO	Tikigaq School	1	4	Lighting	Exit Signs and EM Lights	Varies
PHO	Tikigaq School	6	3	Lighting	In-Floor Lights	2011
PHO	Tikigaq School	6	3	Lighting	Exterior Lights	2011
PHO	Tikigaq School	1	1	Fire Alarm	FACP	2011
PHO	Tikigaq School	7	3	Intercom/Clocks	PA System	2011
PHO	Tikigaq School	7	3	Intercom/Clocks	Clocks	2011
BHS	Barrow High School	1	1	Lighting	Emergency Lighting	1980
BHS	Barrow High School	6	3	Electrical Service	Panelboards	1980
BHS	Barrow High School	7	3	Clocks	Clocks	1980

BHS	Barrow High School	1	2	Branch Circuits	Junction Boxes	1980
BHS	Barrow High School	4	3	Telephone/Data	Telecom	1980
BHS	Barrow High School	4	3	Telephone/Data	Telecom	2010
BHS	Barrow High School	1	1	Electrical Service	Panelboard	1980
BHS	Barrow High School	6	3	Other	Fuel Oil	1983
BHS	Barrow High School	6	2	Other	Heating System	2022
IPK	Ipalook Elementary School	6	2	Plumbing	AC Condensate	1992
KLC	Kiita Learning Community	Health/Life Safety	1	Plumbing	Sanitary Waste	1986
KLC	Kiita Learning Community	Code Upgrade	2	Plumbing	Lavatories	1986
KLC	Kiita Learning Community	Functional Upgrade	3	Plumbing	Toilets	1986

KLC	Kiita Learning Community	Code Upgrade	4	Plumbing	Water Heater	2007
KLC	Kiita Learning Community	Code Upgrade	4	Plumbing	Plumbing Fixtures	1986
KLC	Kiita Learning Community	6	3	Electrical Service	Receptacles	1980
KLC	Kiita Learning Community	1	1	Lighting	Emergency Lighting	1980
KLC	Kiita Learning Community	4	2	Lighting	EM Egress	1980
AIN	Alak K-12 School	1	1	Plumbing	Voc. Ed. 198, Pool Mech. Room 169 Eyewash	1990
AIN	Alak K-12 School	1	1	Plumbing	Kitchen Plumbing	1990

AIN	Alak K-12 School	1	1	Plumbing	Custodial Sink Trim, Storage 108	1990
AIN	Alak K-12 School	6	2	Other	Various	Varies
AIN	Alak K-12 School	6	2	Plumbing	Various	1990

AIN	Alak K-12 School, Bus Barn	1	1	Plumbing	Plumbing Equipment	1990
AIN	Alak K-12 School	6	2	Lighting	Exterior Lighting Controls	2009

Code, 5-Protection of Structure, 6-Functional Upgrade, 7-Education Program Update, 8-10 years

Expectancy	REPLACEMENT	System	Brief Title
20		Plumbing	end of life expectancy.
N/A		Plumbing	Plumbing VTR Heat Trace
N/A		Plumbing	Backflow Preventer Testing
N/A		Plumbing	Water Conditioner
20		Plumbing	Upgrade eyewash systems
30	2042	HVAC	No exhaust on Range Hoods
10	2003	Plumbing	life expectancy.
20	2013	Ventilation	near the end of life
30	2023	Fuel Oil	Wall
20	2034	Heating	room.
10	1990	Plumbing	Replacement.
10	2003	Plumbing	life expectancy.
20		Ventilation	Ventilation Upgrade.
N/A		Plumbing	Backflow Preventer Testing
10	2009	Plumbing	life expectancy.
20		Ventilation	Ventilation Upgrade.
N/A		Plumbing	Backflow Preventer Testing
30		Storage	Ceiling water damage
N/A		Plumbing	Replace water piping.
20	2029	Lighting	Exterior lights on all day
20		Power	Conduit not supported
20	2032	Power	power.
20	2032	Receptacles	receptacles.
20		Wiring	working
10		Fire Alarm	obsolete
20		Lights	wires
20		Power	tamperproof
N/A		Power	Missing arc fault protection
40		Panelboards	clearance violation.
N/A		Power	Missing arc fault protection
20		Panelboards	clearance violation.
N/A		Power	Electric.
20		Plumbing	Eyewash not to code

20		Plumbing	Various plumbing deficiencies
20	2040	Controls	Controls Training
20	2040	Heating	Boiler B-2 not operational
20		Lighting	Existing T8, and CFL lighting not as energy efficient as new LED

20		Lighting	Existing lighting not as energy efficient as new LED
20	2000	Ventilation	Upgrade Ventilation
30	2050	Plumbing	Replace water piping.
N/A		Power	Receptacles in units not tamperproof
N/A		Power	Missing arc fault protection in load centers
N/A		Power	Dining Room Heaters
40		Power	Storage Service Disconnect
30		Low Voltage	Unused low voltage systems

30	2027	Heating	Waste heat HX not operational
40		Plumbing	Failed Waste Pipe
30	2047	Plumbing	Failed Arctic Waste Pipe
20	2037	Insulation	ADA Insulation
15	2032	Plumbing	Plumbing Fixture Sensors
15	2032	Plumbing	Failed HWG Controller
20	2037	Plumbing	Low Flow Lavatory
20	2037	Plumbing	Sink Not Working
20	2037	Plumbing	Sink Not Working
20	2009	Kitchen Equipment	Failed Dishwasher Temperature Control.
20	2009	Kitchen Equipment	Standing Water on Floor
20	2009	Plumbing	Sink Not Working
20	2009	Plumbing	Sink Not Working
20	2009	Plumbing	Sink with Loose Trim

20	2009	Plumbing	Sink Not Working
20	2037	Heating	Failed HWG Balance Valve
20	2037		Missing Equipment Labels
20	2037	Plumbing	Sink Not Working
40	2029	Plumbing	Failed Waste Pipe
40	2029	Plumbing	Disconnected Vent Pipe
20	2009	Plumbing	Missing Lavatory Faucet
20	2035	Heating	Pump Broken HOA Switch
20		Heating	Failed Unit Heaters
20		Heating	Failed Cabinet Unit Heater
20	2037	Heating	Failed Unit Heater Control Valve
20	2035	Heating	Failed HWG Heating Pipe
30	2045	Heating	Failed Heating Pipe

--		Kitchen Equipment	Failed Propane Piping
20	2036	Ventilation	AHU Cold Supply Air
20	2036	Ventilation	Pool AHU Off
20	2036	Ventilation	AHU Wheel Noise
20		Ventilation	Failed Lab Vent Hood
20	2035	Ventilation	Failed Exhaust Fan
20	2009	Ventilation	Failed Exhaust Fan
20	2009	Ventilation	Failed MAU
40	2055	Ventilation	Missing Diffusers
20	2035	Ventilation	AHU VFD Alarm
10	2027	Controls	Controls Login
10	2027	Controls	Failed Thermostats

10	2027	Controls	Heating Valves and Generator Operation
10	2027	Controls	Generator Ventilation Dampers
10	2027	Controls	Heating Pump Control
10	2025	Heating	Boiler Control Panel Programming
20	2036	Heating	AHU Heating Valve Disconnected
10	2027	Controls	Missing Thermostat

50	2067	Fire Sprinkler	Missing Sprinkler Escutcheon
30	2010	Power	Panel 'H' replacement.
20	2031	Power	Gym equipment repair.
30	2041	Power	SPD for Panel 'SH'
10		EM Lighting	Repair/Replace fixtures
10	2021	Lighting	In-floor lights repair.
10	2021	Lighting	Exterior lights replacement.
20	2031	Fire	FACP maintenance.
20	2031	Intercom	PA system volume not adequate.
20	2031	Intercom	A couple of clocks need repair/replacement.
10	1990	Lighting	Most of the EM lighting was inoperable or expired.
40	2020	Power	Electrical gear from original construction obsolete.
N/A		Clocks	Non-Functional Clock Demolition

40	2020	Power	Missing Cover Plates
N/A		Telecom	Abandoned Data Cabling
N/A		Telecom	Telecom Cabling Supports
N/A		Power	Woodshop Panels' Location
20	2003	Boilers, EM Generator, Fire pump	Fuel not used and becomes stale
30	2052	HVAC	Heating Pump in pool fan room is leaking
30	2022	Plumbing	Pipe AC unit condensate to appropriate drain location
30	2016	Waste	Leaking sewage
NA		Cold water	Lacking code required anti- scald valves
20	2006	Waste	Inefficient fixtures

20	2027	Hot water	Water heating not properly secured
NA		Hot water	No ADA insulation on lavatory piping
N/A		Power	Receptacles replacement
10	1990	Lighting	Most of the EM lighting was inoperable or expired.
N/A		EM Egress	Non-Illuminated Exit Signs Listing
20	2010	Plumbing	Eyewash not to code
20	2010	Plumbing	Kitchen plumbing at end of useful life expectancy

20	2010	Plumbing	Custodial sink requires backflow prevention
N/A		Varies	Various other deficiencies
20	2010	Plumbing	Various plumbing deficiencies

20	2010	Plumbing	Plumbing deficiencies
20	2029	Exterior Lighting	Exterior lights on all day

Upgrade

Description of Issue	Recommended Solution	2024 RAS Update
The kitchen faucets are in poor	science room sinks. Repair/replace	replaced
Plumbing vents freeze in winter.	Install heat trace in plumbing vents.	No change noted.
current.	preventer in accordance with the	No change noted.
working.	train operator on use of system as	No change noted.
education shop is not compliant with	education shop.	No change noted.
recirculating, they do not exhaust to the	range hood to comply with the IMC.	No change noted.
useful life expectancy.	generators.	No change noted.
the end of life expectancy. There is no	exhaust fan. Exhaust fan to operate	No change noted.
useful life expectancy.	double wall fuel tank.	wall tank.
separate 1-hr rated room per the State	fired space heater to replace	No change noted.
Plumbing fixtures are in poor condition.	Replace plumbing fixtures.	No change noted.
expectancy.	Replace hot water generators.	No change noted.
There is no ventilation for living areas.	exhaust fan. Exhaust fan to operate	No change noted.
testing is not current.	preventer in accordance with the	No change noted.
life expectancy.	Replace Hot water generators.	No change noted.
The range hood does not exhaust to the	exhaust fan. Exhaust fan to operate	No change noted.
testing is not current.	preventer in accordance with the	No change noted.
area appeared to have frozen and burst.	necessary. Consider adding a dry	New item.
up and the plumbing systems were	water piping, and re-pipe system so	New item.
during the day.	photocell is not shutting lights off	No change noted.
from bottom of school, now is laying on	Replace conduit and wiring.	No change noted.
were never connected to power. Ovens	hoods, connect to nearest	No change noted.
a media room that is very low.	receptacles for additional loads,	No change noted.
fixtures.	Replace/rewire as necessary.	No change noted.
detector coverage. Code requires	smoke detectors in each bedroom	No change noted.
from wires. Wires exposed to moisture	Securely mount to ceiling.	No change noted.
receptacles in dwelling units.	unit with new tamperproof type.	No change noted.
protection for branch circuits in	existing loadcenters.	No change noted.
directly under panel which violates the	clearance of panel. Water line or	No change noted.
protection for branch circuits in	existing loadcenters.	No change noted.
directly under panel which violates the	clearance of panel. Water line or	No change noted.
propane as fuel source. Propane is a	Provide new circuit breaker, upgrade	No change noted.
Shop and Wood Shop do not meet	equipment per code requirements.	Item Addressed

<p>noted throughout the building. (1) Metal Shop 155 service sink cold water not working.(2) Wood Shop 159 water closet has weak flush. (3) Voc-Ed Classroom 137 sink trim leaks. (4) Staff restroom off Corridor 161 water closet loose on floor, does not have manual flush override for automatic flush valve, lavatory trim leaks. (5) Home Ec 134 Ice maker does not have backflow prevention on the water supply, does not have an air gap at the drain termination, dishwasher air gap fitting is under the sink rather than above the sink flood rim, dishwasher is in poor shape. (6) Primary Classroom 114 sink and restroom lavatory do not have cold water. Cold water supply is connected to a tempering valve that only serves the hot water valve. (7) Men's Locker 104 water closet loose at floor, lavatory loose on wall, showers are not functional. (8) Women's Locker 109 automatic lavatory does not work, automatic water closets does not have manual flush override (9) Pool Storage 102 no VTR on clothes washer (vent</p>	<p>Repair and/or replace deficiencies as needed.</p>	<p>No change noted.</p>
<p>Maintenance staff expressed concerns that they have no training on how to operate the new DDC controls system</p>	<p>Provide training for staff on how to operate new DDC system</p>	<p>New Item</p>
<p>Boiler B-2 was not operational at time of inspection and was under repair</p>	<p>Complete repair of B-2</p>	<p>New Item</p>
<p>The existing lighting fixtures are fluorescent (T8 and Compact Fluorescent). Pool lights are LPS and need immediate replacement, low lighting levels in pool.</p>	<p>Upgrade existing lighting to LED. Opt 1: Replace fluorescent bulbs with led replacement bulbs. Replace existing luminaires with LED luminaires (one-for-one). Opt 2: Replace all existing lights on a one-for-one basis with new LED luminaires.</p>	<p>School has gone through a lighting upgrade in 90% of the building. Only fluorescents remain in back of house areas. No longer a deficiency.</p>

<p>The existing lighting fixtures are fluorescent (T8).</p>	<p>Upgrade existing lighting to LED. Opt 1: Replace fluorescent bulbs with led replacement bulbs. Replace existing luminaires with LED luminaires (one-for-one). Opt 2: Replace all existing lights on a one-for-one basis with new LED luminaires.</p>	<p>School has gone through a lighting upgrade in 90% of the building. Only fluorescents remain in back of house areas. No longer a deficiency.</p>
<p>Heat Recovery Ventilators do not have heating coil so they do not function in winter when outside air is cold. Duct is uninsulated and condensation is an issue. Kitchen range hood does not work.</p>	<p>Provide new Panasonic bathroom exhaust fan. Exhaust fan to operate continuously at minimum air setting for code required residential ventilation. Fan speed to increase based on wall switch in bathroom to provide code required toilet room exhaust. Demolish HRV. Provide new range hood ducted to exterior in Kitchen.</p>	<p>No change noted.</p>
<p>The houses suffered a major freeze up and the plumbing systems were heavily damaged. The water piping is beyond repair and was replaced with surface mounted PEX piping.</p>	<p>Provide pipe chases for domestic water piping, and re-pipe system so piping is concealed.</p>	<p>New item.</p>
<p>Code requires UL tamperproof receptacles in dwelling units.</p>	<p>Replace all existing receptacles in the house with new tamperproof type. Provide tamperproof GFI type in kitchen and bathroom.</p>	<p>No change noted.</p>
<p>Current code requires arc fault protection for branch circuits in dwelling units. None currently provided.</p>	<p>Provide new arc fault breakers in existing load centers.</p>	<p>No change noted.</p>
<p>Only a single heater is connected</p>	<p>Connect all heaters such that heaters may provide back up heat while other is being repaired or replaced.</p>	<p>New item.</p>
<p>Disconnect is mounted above 6'-7".</p>	<p>Relocate disconnect to be accessible.</p>	<p>New item.</p>
<p>Remaining PA and FA systems which are not longer connected or used.</p>	<p>Remove devices, conduit, and wire where exposed. Provide blank covers for junction boxes.</p>	<p>New item.</p>

The waste heat from the power plant to the school is not operational.	Investigat issue at power plant and re-commission waste heat HX in school.	New Item
Waste piping in pool area has failed.	Repair or Replace waste piping.	New Item
Arctic pipe waste piping without heat trace and freezing under elementary classrooms.	Repair or Replace failed arctic pipe. Provide heat trace.	New Item
Most restroom lavatories missing ADA insulation.	Install ADA insulation.	New Item
Wall-mounted infrared sensors serving plumbing fixtures loosely mounted and moving/falling off.	Secure sensors to wall.	New Item
Mezzanine E-11, HWG-7 temperature controller failed.	Replace temperature sensor.	New Item
Classroom Toilet H-301B, lavatory with very low flow.	Troubleshoot. Replace fixture trim if necessary.	New Item
Reading Room E-217, cold water at sink is not working.	Troubleshoot. Replace fixture trim if necessary.	New Item
Janitor E-3, cold and hot water at sink is not working.	Troubleshoot. Replace fixture trim if necessary.	New Item
Kitchen C-10, pass through dishwasher temperature fluctuates	Troubleshoot. Replace dishwasher temperature sensor/controller if necessary.	New Item
Kitchen C-10, standing water under dishwash equip.	Find source of water; likely leaking pipe or equipment over spray. Repair, replace, or implement other corrective measures.	New Item
Kitchen C-10, hand wash sink hot water is not working.	Troubleshoot. Replace fixture trim if necessary.	New Item
Kitchen C-10, wood counter prep sink cold and hot water not working.	Troubleshoot. Replace fixture trim if necessary.	New Item
Kitchen C-10, metal counter prep sink cold and hot water lever handle very loose.	Repair or Replace fixture trim.	New Item

Kitchen C-10, office hand wash sink cold and hot water is not working.	Troubleshoot. Replace fixture trim if necessary.	New Item
Mechanical Room E-02, HWG-1 balance valve is corroded and leaking.	Replace balance valve with flow control valve set for 7 GPM.	New Item
Mechanical Room E-02, HWG-1&2 missing equipment labels.	Install equipment labels.	New Item
Janitor C-14, sink cold water is not working.	Troubleshoot. Replace fixture trim if necessary.	New Item
Boys Toilet C-23, water turned off to restroom due to leaking waste pipes.	Repair or Replace waste piping.	New Item
Boys Toilet C-23, vent pipe in plumbing chase is disconnected and open to chase.	Cap vent pipe air tight.	New Item
Girls Toilet C-22, right lavatory faucet is missing.	Install faucet of similar make and model as adjacent lavatories.	New Item
Mechanical Building M-100, pump CP-2 disconnect HOA switch has broken off.	Replace HOA switch with new.	New Item
Elementary School Attic, some failed unit heaters.	If only the fan motor has failed, replace the motor with new. If other components have failed on unit heater, replace entire heater.	New Item
Vestibule H-3, cabinet unit heater running when vestibule is hot.	Troubleshoot. Confirm space heating control setpoint is in desired range and if not adjust. If controls are functioning correctly, confirm fan motor and valve are operating correctly. Replace fan motor and/or valve motor if needed.	New Item
Storage C-41, unit heater control valve motor has failed and space is too cold for sprinkler piping.	Replace control valve motor. Confirm valve operation.	New Item
Mechanical Room 200, HWG-1 heating return pipe is leaking.	Repair or Replace leaking portions of heating pipe.	New Item
Mechanical Room 200, heating return pipes are leaking.	Repair or Replace leaking portions of heating pipe.	New Item

Kitchen C-10, propane pipe serving cooking equipment leaks. To be replaced with electric.	It is understood that the kitchen equipment will be replaced with all electric units and propane will no longer be required. In that case, no propane work required. If electrical equipment will not be installed, replace propane distribution piping to extent necessary to remove leaks. Replace all flexible piping at equipment connections.	New Item
AHU-4, turned off because supply air "too cold".	Troubleshoot. May require revised control programming for warmer supply air temperature, or replacement of heating coil control valve motors and/or valve(s).	New Item
AHU-6, turned off because pool is not in use.	Put unit back into service when pool is returned to service.	New Item
AHU-9, turned off due to fan wheel noise.	Troubleshoot. Repair or Replace fan components to remove noise.	New Item
Science Classroom H-318, laboratory ventilation hood not working. Multiple deficiencies.	Likely requires replacement of laboratory hood and associated fan with new equipment.	New Item
Mechanical A-116, fan not working. Should run continuously.	Troubleshoot. Replace fan and/or motor if needed.	New Item
Kitchen C-10, pass through dishwasher exhaust hood fan not working.	Troubleshoot. Replace fan and/or motor if needed.	New Item
Kitchen C-10, kitchen makeup air unit not working.	Troubleshoot. Replace unit if needed.	New Item
Gymnasium A-123, two supply diffusers missing outlet cones.	Install new diffusers of same make and model and adjacent diffusers.	New Item
Mechanical Room A-200, AHU-1 fan 1 VFD in alarm indicating to replace fan.	Troubleshoot. Replace fan and/or motor if needed.	New Item
Maintenance personnel cannot log into HVAC control system front end.	Provide login access for local maintenance personnel.	New Item
Thermostats throughout building do not work well. Building too warm.	Troubleshoot. Replace thermostats as needed.	New Item

Some terminal heating unit control valves do not operate when back up generator is running. Makes building too warm.	In DDC system provide heating control valve operation when generator.	New Item
Mechanical Building M-100, generator O/A and R/A dampers not programmed properly.	<p>Provide generator damper control per the Phase 2 control documents, specifically:</p> <p>Upon start up of generator, outside air damper shall open a minimum of 20%. The return and exhaust air dampers shall modulate to maintain the space temperature setpoint (78 degrees F adjustable).</p> <p>When the generator shuts off, the outside and exhaust dampers shall close, the return damper shall open.</p> <p>Generator damper actuators shall be configured to fail-safe open to outside/exhaust air upon loss of power or control system failure.</p>	New Item
Mechanical Building M-100, DDC system not controlling main heating pump speed and alternation.	Provide pump control per the Phase 2 control documents, specifically: The pumps shall operate to maintain the heating system pressure differential setpoint. The lead pump shall modulate its speed to maintain the setpoint. Upon failure of the lead pump, the lag pump shall operate. Lead/lag operation shall alternate every 200 hours of use (adjustable)	New Item
Mechanical Building M-100, boiler control panel displaying incorrect outside air temperature.	Replace dust collector with system that meets current NFPA requirements.	No Change Noted
Area B Fan Room, AHU-2 heating control valve motor is not attached.	Install motor on valve. If motor does not work, replace motor.	New Item
Mens' Toilet A-122, thermostat is missing from wall.	Install thermostat of same make and model as others in the building.	New Item

Office C-102B, sprinkler escutcheon missing.	Install escutcheon of same make and model and others in the room.	New Item
Panel 'H' deadfront is not covering exposed electrical components.	The deadfront could be replaced or the entire panel to allow for more readily available components.	New Item
The curtain and backboards are not working.	Troubleshoot and replace components which are damaged or no longer working.	New Item
SPD has reached maximum number of strikes.	Replace SPD sacrificial component.	New Item
Hand full of exit signs and emergency battery units are damaged or not operating.	Replaced damaged units and troubleshoot nonoperable units and repair/replace as needed.	New Item
Lights no longer operating.	Troubleshoot and repair/replace as required.	New Item
Lights are corroded and failing	Replace one for one with LED type and marine grade type fixture.	New Item
Panel was in trouble during site visit and it was reported that annunciation devices are not operating in new gym.	Troubleshoot issues and replace/repair devices as needed.	New Item
Reported that PA system was not reaching gym and at least one classroom.	Troubleshoot and replace/repair as needed.	New Item
Clock in 2nd grade classroom and library not working.	Troubleshoot and replace/repair as needed.	New Item
The majority of the emergency lighting units tested had inoperable batteries. Several others were broken. The exit signs were self powered (nuclear) type that were expired.	Replace all emergency lighting units (bugeyes) on a one-for-one basis with new LED battery units. Replace exit signs with new powered 120V LED type. Provide new unswitched wiring to local lighting circuit.	80% of EM lighting has been replaced.
Equipment is mounted within the electrical gear NEC working clear space. These are panels in V210 and wood shop areas.	The wood shop panels are obstructed by newer equipment which needs to be relocated. The panels in V210 where originally installed and will need to be relocated within the room.	No change noted.
Existing hardwired simplex clocks are non-functional and appear to have been abandoned in place.	Demolish non-functional simplex clocks and replace as required for NSBSD standard coverage requirements.	New item.

Multiple instances of electrical junction boxes, pull boxes, condulets, etc. missing without coverplates in mechanical, fan, and similar areas.	Provide cover plates on all electrical boxes as required to cover unused openings per the NEC.	New item.
There is abandoned in-place data cabling located throughout the building.	Demolish abandoned data cabling, not tagged for future use, in its entirety.	New item.
Telecom cabling in Room V114 has been secured in position using nails which are pinching the telecom cabling, and compromising the integrity of the cables.	Remove nails securing telecom cabling and provide approved means of securing cables. Test existing cables to ensure proper performance and replace as necessary.	New item.
In the Woodshop a C&C machine is located in the same room as the electrical panels. At the time of our inspection there was a significant amount of wood dust build up on the panel enclosures.	Remove C&C machine and other wood dust creating equipment from room with electrical panels as panelboards are not listed for use in this type of environment.	
The fuel oil system is used primarily for backup for the natural gas system. The fuel oil system is not used very much and the stored fuel becomes stale and unusable.	Consider removing fuel oil system except to emergency generator.	No change noted.
One of the newly installed heating circulation pumps is actively leaking from it's pump housing.	Replace pump with new.	New item.
The server room AC unit drains into a bucket.	Provide a condensate pump and pipe the AC condensate to an appropriate location.	New item.
Sanitary waste leaking from no-hub fittings underneath building and onto ground	Replace all sanitary waste piping	Work on the lift station and waste piping has been completed, but ice build up was still present under building.
Lavatories are lacking code required anti-scald valves	Install anti scald valves	No change noted.
The toilets and urinals utilize higher amounts of water than current code compliant fixtures	Replace fixtures with lower flow, code compliant fixtures	No change noted.

<p>Water heater does not have any supports or strapping and rocks if bumped in to.</p>	<p>Install code required strapping around water heater and secured to adjacent wall to prevent water heater from tipping.</p>	<p>New item.</p>
<p>The exposed lavatory piping is required to have insulation installed per ADA.</p>	<p>Install ADA piping insulation on all exposed lavatory piping.</p>	<p>New item.</p>
<p>The existing receptacles are not tamper proof in child care areas, not GFCI protected, or damaged.</p>	<p>Replace one-for-one all devices. Provide properly listed devices per the area in which they are installed. Additional receptacles may be required to reduce use of extension cords.</p>	<p>Per 2020 NEC, all receptacles need to be replaced with tamper-resistant receptacles. No Update regarding GFCI protection.</p>
<p>The majority of the emergency lighting units tested had inoperable batteries. Several others were broken. The exit signs were self powered (nuclear) type that were expired.</p>	<p>Replace all emergency lighting units (bugeyes) on a one-for-one basis with new LED battery units. Replace exit signs with new powered 120V LED type. Provide new unswitched wiring to local lighting circuit.</p>	<p>No change noted. Provide additional LED type emergency lighting units (Bugeyes) as required to provide adequate emergency egress illumination per the IBC.</p>
<p>Non-Illuminated type exit signs in use at the facility are not an approved means of egress signage, as they do not have an external illuminating source.</p>	<p>Replace non-illuminated type exit signs with new LED Type as required to provide adequate signage for egress.</p>	<p>New item.</p>
<p>The emergency eyewashes in the Voc. Ed. and Pool Mech. room do not meet current code requirements including tempering valve and access.</p>	<p>Install new eyewash and related equipment per code requirements.</p>	<p>No change noted.</p>
<p>The kitchen plumbing fixtures are in decent condition but have exceeded their life expectancy and warrant replacement. In addition the following deficiencies were noted: Single-bowl and double-bowl prep-sinks do not have code required air gap at waste pipe discharge, garbage disposal under pre-rinse sink drains to a floor sink but should be directly connected to the sanitary waste system, the dishwasher exhaust hood condensate drain does not discharge to a floor sink.</p>	<p>Replace kitchen plumbing fixtures with new. Correct deficiencies if equipment replacement is deferred.</p>	<p>No change noted.</p>

<p>Storage 108 custodial sink faucet outlet is connected to cleaning chemical dispensing equipment. This is a code violation due to the potential for contamination of the building potable water supply.</p>	<p>Provide backflow prevention on the cold and hot water supply pipes to the faucet or disconnect the chemical dispensing equipment from the faucet and mix in a separate container.</p>	<p>No change noted.</p>
<p>(1) Mech 103: Abandoned combustion air openings in floor not sealed, electric magnet-holder on door does not hold, old boiler flue chase in room poorly sealed/insulated. (2) Voc. Ed. Second floor Storage 218 has double-wide door that opens to first floor without fall protection. (3) Ceiling tile at front entry has water damage.</p>	<p>Correct deficiencies indicated.</p>	<p>No change noted.</p>
<p>Numerous plumbing deficiencies were noted throughout the building. (1) Girls 105 restroom lavatory sensor wiring is poorly done under the counter, lavatory faucets do not have tempering valves, floor "curb drain" is clogged with dirt and surrounding tile is failing, water closet flush valves operate too long or too short. (2) Boys 107 restroom same comments as Girls 105 as well as urinal loose on wall. (3) Storage 108 plumbing chase access has poor wiring of lavatory trim electronic sensors, Girls 105 and Boys 107 curb drains do not have trap primers. (4) Classroom 124 lavatory does not have running water. (5) Classroom 132 water closet and lavatory run continuously. (6) Conference 150 sink does not have running water. (7) Library restroom lavatory faucet handle shoots water. (8) Student Store 133 sink cold water supply not working. (9) High School Corridor drinking fountain is coming off of the wall. (10)</p>	<p>Repair and/or replace deficiencies as needed.</p>	<p>No change noted.</p>

<p>The emergency eyewash in the space does not meet code, specifically due to no activating lever and no mixing valve. The utility sink in the building also does not have cold water supply.</p>	<p>Replace the eyewash with new unit installed per code. Provide cold water plumbing to sink.</p>	<p>No change noted.</p>
<p>Exterior lighting would not shut off during the day.</p>	<p>Troubleshoot and investigate why photocell is not shutting lights off during the day. Repair/replace.</p>	<p>No change noted. Lights are still on all the time.</p>

NOTES	Cost	Estimated	BLDG
OPERATIONAL			SCHOOL
OPERATIONAL			SCHOOL
OPERATIONAL			SCHOOL
OPERATIONAL			SCHOOL
OPERATIONAL			SCHOOL
OPERATIONAL			SCHOOL
OPERATIONAL			HSG
OPERATIONAL			HSG
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OPERATIONAL			HSG
OPERATIONAL			HSG
OPERATIONAL			HSG
OPERATIONAL			SCHOOL

OPERATIONAL			MEADE RIVER SCHOOL
OPERATIONAL			MEADE RIVER SCHOOL
OPERATIONAL ; NEEDS ELECTRICIAN TO FINISH WIRING.			MEADE RIVER SCHOOL
OPERATIONAL			MEADE RIVER SCHOOL

OPERATIONAL			MEADE RIVER SCHOOL
OPERATIONAL			HSG
OPERATIONAL			HSG
OPERATIONAL			HSG
OPERATIONAL			HSG
OPERATIONAL			HAROLD KAVEOLOOK SCHOOL
OPERATIONAL			HAROLD KAVEOLOOK SCHOOL
OPERATIONAL			HAROLD KAVEOLOOK SCHOOL

OPERATIONAL			TIKIGAQ SCHOOL
OPERATIONAL			TIKIGAQ SCHOOL
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OPERATIONAL			TIKIGAQ SCHOOL
OPERATIONAL			BARROW HIGH SCHOOL
OPERATIONAL			BARROW HIGH SCHOOL
OPERATIONAL			BARROW HIGH SCHOOL

OPERATIONAL			BARROW HIGH SCHOOL
OPERATIONAL			BARROW HIGH SCHOOL
OPERATIONAL			BARROW HIGH SCHOOL
OPERATIONAL			BARROW HIGH SCHOOL
OPERATIONAL ; NEW BOILERS RUN ON DIESEL FOR BACK UP			BARROW HIGH SCHOOL
OPERATIONAL			BARROW HIGH SCHOOL
OPERATIONAL			FRED IPALOOK ELEMENTARY SCHOOL
OPERATIONAL			KIITA LEARNING COMMUNITY
OPERATIONAL			KIITA LEARNING COMMUNITY
OPERATIONAL			KIITA LEARNING COMMUNITY

OPERATIONAL			KIITA LEARNING COMMUNITY
OPERATIONAL			KIITA LEARNING COMMUNITY
OPERATIONAL			KIITA LEARNING COMMUNITY
OPERATIONAL , NEED DONE ASAP			KIITA LEARNING COMMUNITY
OPERATIONAL			KIITA LEARNING COMMUNITY
OPERATIONAL			ALAK SCHOOL
OPERATIONAL			ALAK SCHOOL

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OPERATIONAL			ALAK SCHOOL

Deficiency Code: 1-Health/Life Safety, 2-Operating Cost Savings, 3-Technical Upgrade, 4-Code Upgrade, 5-Protection of Structure, 6-Functional Upgrade, 7-Education Program Upgrade

Priority: 1-Highest Priority/imminent danger, 2-Repair/remodel within 3 years, 3- Repair/remodel 3-10 years

SITE	Building	Code	Priority	Project Type	Equipment	Installed	Expectancy	REPLACEMENT	System	Brief Title	Description of Issue	Recommended Solution	2024 RAS Update	NOTES	Cost	Estimated	BLDG
AKP	School	6	2	Plumbing	Waste	1992	30	2022	Sewage	station near end of life	kitchen grease interceptor are at or	Replace grease interceptor.	in 2022 and is in good	COMPLETE			SCHOOL
AKP	School	6	2	Plumbing	Piping	1980	30	2010	Sewage	expectancy.	end of its useful life expectancy. Hot	Eliminate all cross connects. Fix	domestic water piping.	COMPLETE			SCHOOL
ATQ	School	1	1	Fire Alarm	Panel and	?	15		Fire Alarm	obsolete.	control panel is past its useful life. We	evacuation type.Upgrade	upgraded to new Notifier	COMPLETE			SCHOOL
ATQ	School	6	2	ta	Telecom	?	20		Telecom	nearly obsolete.	a mix of Cat 5, Cat 5e and Cat 6. Cat 5 is	equipment with Cat 6 and	upgraded to CAT 6. No	COMPLETE			SCHOOL
KAK	Residence	6	2	Fuel Oil	Fuel Tank	1980	30	2010	Fuel Oil	Double Wall	Single wall fuel tank is corroding.	with double wall fuel tank.	No change noted.	2023			HSG
KAK	Residence	6	2	Plumbing	Generators	1996	10	2006	Plumbing	of life expectancy.	life expectancy.	Replace hot water generators.	were replaced in 2020	COMPLETE			HSG
KAK	Residence	6	2	Plumbing	Fixtures and	1980	40	2020	Plumbing	and Plumbing piping.	of useful life expectancy. Piping and	new PEX domestic water piping	No change noted.	REPLACED			HSG
KAK	Residence	6	2	HVAC	Range Hood	1980	30	2010	HVAC	Hoods	recirculating, they do not exhaust to	for range hood to comply with	No change noted.	EXHAUST.			HSG
KAK	Residence	6	2	Heating	Boilers	1996	30	2026	Boilers	Upgrade boilers	equipment are approaching end of	primary secondary, new	No change noted.	DUPE LINE 95			HSG
KAK	Residence	4	1	Distribution	Receptacles	1980s?	N/A		Power	GFCI.	kitchen.	receptacles in kitchen.	No change noted.	COMPLETE			HSG
KAK	Residence	1	1	Distribution	Receptacles	1980s?	N/A		Power	faceplate.	be missing a faceplate exposing the	receptacles to prevent	No change noted.	COMPLETE			HSG
KAK	Residence	4	1	Distribution	Receptacles	1980s?	N/A		Power	GFCI.	kitchen.	receptacles in kitchen.	No change noted.	COMPLETE			HSG
KAK	Facilities	4	2	Distribution	Boxes	Unknown	30		Power	Junction Box Covers	Covers missing on Junction boxes.	Replace junction box covers.		COMPLETE			KAVEOLOOK
KAK	Facilities	6	2	Lighting	Lights	Various	20		Lighting	bulbs.	Lamps are burned out or broken.	Replace lamps as required.		COMPLETE			KAVEOLOOK
NUI	School	1	1	Plumbing	Waste	1998	30	2028	Sewage	lift stations	rotting out. Some of the lift stations	has been created. Need to	replaced but is leaking in	lift station and			TRAPPER
NUI	School	4	3	HVAC	Freezers	1998	20	2018	Kitchen	obsolete refrigerant	refrigerant which have been classified	repair, replace the condenser	No change noted.	compressor;			TRAPPER
NUI	School	6	2	Plumbing	fixtures	1998	20	2018	Plumbing	Inefficient fixtures	should have automatic flush valves.	flow, code compliant fixtures	No change noted.	RECTIFIED BY			TRAPPER
NUI	School	6	3	Plumbing	Generators	2000	10	2010	Plumbing	need replacing	installed 17 years ago. The hot water	as maintenance item	No change noted.	HOT WATER			TRAPPER
NUI	1125	6	3	HVAC	HRV	2010	10	2020	Ventilation	Lack of maintenance	replaced	filters replaced	No change noted.	REPAIRED			HSG
NUI	1125	6	1	HVAC	Ductwork	2009	30	2039	air	with snow, indoor ductwork	prominent winds and allows excessive	impact from prominent winds	No change noted.	DUCT WORK			HSG
NUI	School	1	1	Plumbing	Piping	1997	30	2027	Plumbing	utilidor.	water into the utilidor.	Investigate leaks and repair.	New Item	ALL LEAKS			TRAPPER
NUI	School	6	2	HVAC	Return Grilles	1997	30	2027	Ventilation	Replace RA Grilles in Gym	The RA grilles in the gym are broken.	Replace RA Grilles in the gym.	New Item	MODIFICATIO			TRAPPER
NUI	School	1	1	Lighting	Lighting	1978, 1998	10		Lighting	inoperable or expired.	units tested had inoperable batteries.	units (bugeyes) on a one-for-	No change noted.	EMERGENCY			TRAPPER
PHO	Tikigaq School	6	3	Plumbing	Bubbler	2017	20	2037	Plumbing	Failed Sink Bubbler	working.	if necessary.	New Item	COMPLETE			SCHOOL
PHO	Tikigaq School	6	2	Plumbing	Lavatories	2017	20	2037	Plumbing	Lavatories Not Working	middle lavatories not working.	trim if necessary.	New Item	COMPLETE			SCHOOL
PHO	Tikigaq School	6	2	Plumbing	Water Closet	2017	20	2037	Plumbing	Water Closet Not Working	closet from lavatories "out of order".	trim if necessary.	New Item	COMPLETE			SCHOOL
PHO	Tikigaq School	6	2	Plumbing	Lavatory	2017	20	2037	Plumbing	Lavatory Not Working	not working.	trim if necessary.	New Item	COMPLETE			SCHOOL
PHO	Tikigaq School	4	2	Plumbing	Waste Pipe	2017	40	2057	Plumbing	Failed Waste Pipe	sink is failing.	Repair or Replace waste piping.	New Item	COMPLETE			SCHOOL
PHO	Tikigaq School	6	2	Fuel Oil	Fuel Pump	2015	20	2035	Fuel Oil	Fuel Pump Breaker	pump 2 trips circuit breaker.	Electrical. Repair or replace	New Item	COMPLETE			SCHOOL
BHS	School	1	2	Lighting	EM Egress	2020	20	2040	EM Egress	Locker Room Egress Path	men's locker rooms had chevrons	pathway and provide chevron's		COMPLETE			HIGH SCHOOL
BHS	School	4	2	HVAC	and ductwork	1983	20	2003	Pool	functional	does not meet current ventilation	with heat recovery air handler.	No change noted.	COMPLETE			HIGH SCHOOL
BHS	School	4	2	HVAC	room	1983	20	2003	Pool	does not meet code.	have functioning ventilation and does	in pool mechanical room.	replaced in its entirety.	COMPLETE			HIGH SCHOOL
BHS	School	6	2	Heating	Boilers	1983	30	2013	Heating	recommended piping	expectancy. They are piped in a	pipng by adding individual	for 2024.	COMPLETE			HIGH SCHOOL
BHS	Barrow High School	6	2	Heating	Pumps	1983	15	1998	Heating	Pumps failing	Heating pumps leaking glycol and near end of life.	Replace pumps when boilers are replaced. Provide new VFDs on new pumps.	Replacement scheduled for summer 2024.	COMPLETE			BARROW HIGH SCHOOL
BHS	Barrow High School	6	3	Plumbing	Hot Water Generators	1983	15	1998	Hot Water	Old hot water generators past expected life	Hot water generators are past life expectancy. They should be replaced as a maintenance item. Half of them are out of service now.	Replace hot water generators.	Replacement scheduled for summer 2024.	COMPLETE			BARROW HIGH SCHOOL
HMS	Eben Hopson Middle School	6	2	Sound System	Theater Sound Headend	1992	20	2012	Theater Sound System	Theater sound system	Sound System is obsolete.	Replace with more modern system.	No change noted.	COMPLETE			EBEN HOPSON MIDDLE SCHOOL
IPK	Ipalook Elementary School	4	2	Fire Alarm	FA Panel	1992	20	2012	FA	Fire alarm system is conventional	New addressable system would improve troubleshooting and extend longevity of the system.	Replace conventional system with new addressable	FACP upgraded to addressable and minimum upgrades for a voice evac system.	COMPLETE			FRED IPALOOK ELEMENTARY SCHOOL
KLC	Kiita Learning Community	1	1	Electrical Service	Automatic Transfer Switch	1980	0	1980	Power	Non-Functional Automatic Transfer Switch	Transfer switch for providing standby-power for the building was non-functional at the time of our site visit.	Repair/replace automatic transfer switch.	New item.	COMPLETE			KIITA LEARNING COMMUNITY

NUI	Trapper School	2	2	Heating	Waste Heat	1997	30	2027	Heating	Waste heat HX not operational	The waste heat from the power plant to the school is not operational.	Investigate issue at power plant and re-commission waste heat HX in school.	New Item	City of Nuiqsut owns the waste heat. WASTE HEAT FACILITY WAS FOUND TO HAVE CRACKED HX. PART OF THE 40K GAL. LEAK			NUIQSUT TRAPPER SCHOOL
NUI	Trapper School	1	1	Fire Alarm	Fire Alarm Panel and Devices	1997?	15		Fire Alarm	Fire alarm system parts are obsolete	Johnson Controls #Metasys Fire Alarm control panel is past its useful life. We understand that they are having difficulty finding parts for it. In addition, there was an alarm condition at the time of the site visit, they were waiting for a technician to arrive and troubleshoot.	Replace fire alarm panel with new voice evacuation type. Upgrade devices per code. Remove all detectors except in Jan, Sto, Mech/Elec, restrooms and at FACP. Add new wiring and speaker strobes as required to meet 2012 IFC.	FACP upgraded to addressable and minimum upgrades for a voice evac system.	COMPLETE; AFS UPGRADED BOTH PANELS IN THE PRINCIPALS OFFICE AND M&O OFFICE.			NUIQSUT TRAPPER SCHOOL
NUI	Trapper School	6	3	Electrical Service	Panelboards and Motor Starters	1978	40	2018	Power	Electrical gear from original construction obsolete.	Panelboards and motor starters from original construction are past their useful life. (Panels M, S, K, G, J, H, C, B, A)	Replace existing equipment from 1978 on a one-for-one basis with new panels and motor starters (Square D or equal). Provide routine maintenance to all existing panels and equipment.	No change noted.	COMPLETE; REPLACED DURING UIC UPGRADE.			NUIQSUT TRAPPER SCHOOL
NUI	Trapper School	6	3	Electrical Service	Panelboards and Motor Starters	1978	40	2018	Power	Electrical gear from original construction obsolete.	Panelboards and motor starters from original construction are past their useful life. (Panels M, S, K, G, J, H, C, B, A)	Replace existing equipment from 1978 on a one-for-one basis with new panels and motor starters (Square D or equal). Provide routine maintenance to all existing panels and equipment.	No change noted.	COMPLETE; REPLACED DURING UIC UPGRADE.			NUIQSUT TRAPPER SCHOOL