

2022 School Facilities Inventory Report

Facility Name: **LAMOILLE NORTH SU | LAMOILLE UHS | 736 VT ROUTE 15 WEST, HYDE PARK
5655 - High (9 thru 12) - Main Building**

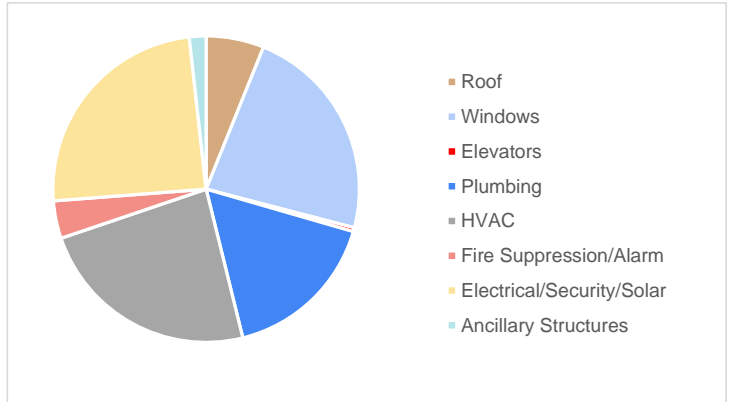
March 29, 2022

Total Value of Assets (Does Not Include Site/Structure/Walls/Interiors) **\$12,072,760**



GPS: 44.60157399353799, -72.63046197578984

Relative Asset Values

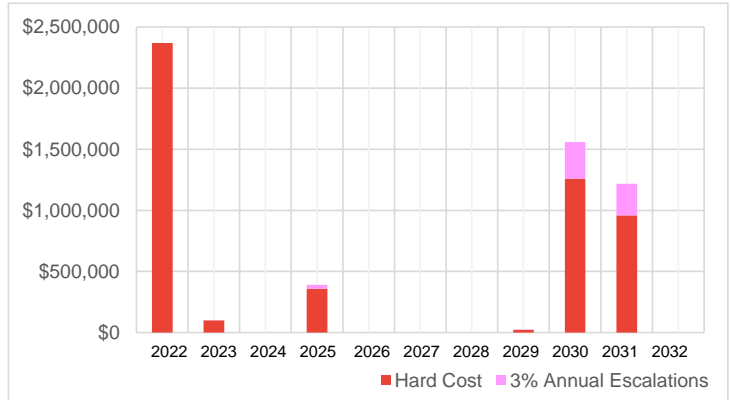


Value of Assets/GSF **\$89.95**

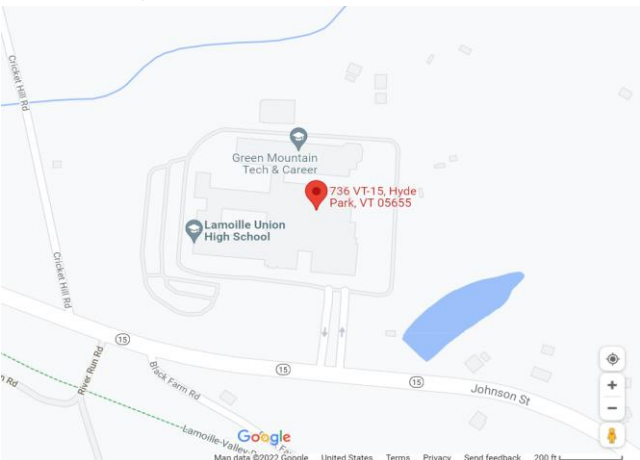
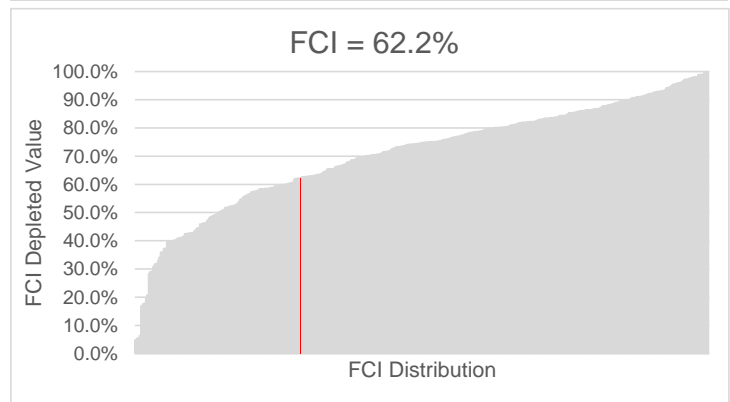


Site Plan - Google Earth

Projected Capital Planning Cash Flow



Facility Condition Index (FCI) Compared to Portfolio



Location Plan - Google Maps

(See Last Page for Explanation of Terms)

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Respondent Information

Date/Time Completed **2021-12-15 - 11:32 AM**
 Respondent Name **Dylan Laflam**
 Respondent Title **Director of Facilities**
 Respondent Email **dlaflam@luhs18.org**
 Respondent Phone Number **(802) 851-1587**

Facility Information

School Type **High (9 thru 12)**
 Building Identification **Main Building**
 Stories **2**
 Building Area **134210 (Gross Square Footage - GSF)**
 Year Constructed **1966**
 Year of Last Major Renovation **2001**
 FCI (Depleted Value) **62.2%**

Environmental & Safety Issues

Hazardous Materials **Yes** ⚠
 Hazardous (HZD) Materials include **Asbestos containing materials (ACM)**
 HZD Issues are **Major**
 HZD Issues include **Lamoille Union High School has know asbestos tile flooring, Mastic, ceiling plaster and lab hoods. Full abatement has been quoted at over 1 million dollars a number of years ago.**

Indoor Air Quality (IAQ) Issues **No**
 IAQ Issues include -
 IAQ Issues are -
 IAQ Issues include -

Fire or Life/Safety (FL/S) Issues **No**
 FL/S Issues are -

Other Risk Factors **No**
 Other Risk Factors include -
 Other Risk Factors are -

Handicap Accessibility (ADA) Issues

Handicap Accessibility (ADA) Issues **No**
 ADA Issues are **N/A**
 ADA Issues include **N/A**

Utilities - Adequacy

IT / Internet Service **Adequate**
 Building Wi-Fi Coverage **Adequate**
 Cellular Reception **Marginal** ⚠
 Water Service Pressure **Adequate**
 Natural Gas/Propane Pressure **Adequate**
 Electrical Capacity **Adequate**

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Building Envelope - Roof

Roof 1 is	Single-Ply EPDM/TPO/PVC Membrane								
Covers	50%	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	2020	20	18	\$11.00 / SF	for	33,553 SF	=		\$369,078
Roof 2 is	Single-Ply EPDM/TPO/PVC Membrane								
Covers	45%	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	2001	20	-1	\$11.00 / SF	for	30,197 SF	=		\$332,170
Roof 3 is	Single-Ply EPDM/TPO/PVC Membrane								
Covers	5%	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	1996	20	-6	\$11.00 / SF	for	3,355 SF	=		\$36,908
Roof 4 is	-								
Covers	0%	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	-	-	N/A	- / -	for	- -	=		\$0

Building Envelope - Windows

Primary Window System	Window, Wood-Frame								
% of Windows That are this Type	60%	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	1991	30	-1	\$70.00 / SF	for	19,326 SF	=		\$1,352,837
Secondary Window System	Curtain Wall								
% of Windows That are this Type	40%	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	2001	50	29	\$110.00 / SF	for	12,884 SF	=		\$1,417,258

Services - Elevators

Primary Conveyance/Elevators	Elevator, Hydraulic, Machine/Controller/Cab								
Quantity of Stops	2	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	2001	30	9	\$25,000.00 / STOP	for	2 STOP	=		\$50,000
Secondary Conveyance/Elevators	-								
Quantity of Stops	0	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	-	-	N/A	- / -	for	0 -	=		\$0

Services - Plumbing

Primary Plumbing System	Supply & Sanitary, Medium Density (Includes Fixtures)								
Area of building served	100%	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	2001	40	19	\$15.00 / GSF	for	134,210 GSF	=		\$2,013,150
Secondary Plumbing System	-								
Area of building served	0%	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	-	-	N/A	- / -	for	- -	=		\$0

Services - Cooling - Central System

Primary Central Cooling System	Central Cooling System - Chiller(s) - Air Cooled								
Area of building served	20%	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	2001	25	4	\$1,200.00 / TON	for	107 TON	=		\$128,842
Secondary Plumbing System	-								
Area of building served	0%	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	-	-	N/A	- / -	for	- -	=		\$0

Services - Heating - Central System

Primary Heating System	Boiler(s)/System - Solid Fuel (Wood/Pellet)								
Area of building served	100%	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	2007	25	10	\$250.00 / MBH	for	3,835 MBH	=		\$958,643
Secondary Heating System	Boiler(s)/System - Fuel Oil								
Area of building served	100%	EUL	C-RUL	Cost / Unit		Quantity	Units		Total Value
Installed in	1996	30	4	\$60.00 / MBH	for	3,835 MBH	=		\$230,074

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Services - HVAC Distribution

Primary HVAC Distribution System **Piped System to Unit Ventilators/Fan Coils, 2-Pipe System**

Area of building served	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
90%	30	9	\$10.00 / GSF	120,789	GSF	\$1,207,890
Installed in 2001						

Secondary HVAC Distribution System **Forced Air System (AHUs, Ductwork, VAVs), 2-Pipe System**

Area of building served	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
5%	30	-26	\$18.00 / GSF	6,711	GSF	\$120,789
Installed in 1966						

Services - Package Systems

Primary HVAC Package Unit & Splits **Package Units (RTUs)**

Area of building served	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
5%	20	18	\$7,000.00 / TON	27	TON	\$187,894
Installed in 2020						

Secondary HVAC Package Unit & Splits **Split Systems**

Area of building served	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
2%	15	8	\$2,000.00 / TON	11	TON	\$21,474
Installed in 2015						

Services - Fire Suppression

Primary Fire Suppression System **Sprinkler System, Medium Density/Complexity**

Area of building served	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
10%	40	25	\$5.00 / GSF	13,421	GSF	\$67,105
Installed in 2007						

Secondary Fire Suppression System **Kitchen Hood or Computer Center Suppression System**

Area of building served	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
1 EA	20	-36	\$10,000.00 / EA	1	EA	\$10,000
Installed in 1966						

Services - Fire Alarm System

Primary Fire Suppression System **Modern Addressable Fire Alarm System**

Area of building served	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
100%	20	-1	\$3.00 / SF	134,210	SF	\$402,630
Installed in 2001						

Secondary Fire Suppression System -

Area of building served	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
0%	-	N/A	- / -	-	-	\$0
Installed in -						

Services - Security Systems

Primary Security & Low Volt System **None**

Area of building served	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
0%	-	N/A	- / -	-	-	\$0
Installed in -						

Secondary Security & Low Volt System -

Area of building served	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
0%	-	N/A	- / -	-	-	\$0
Installed in -						

Services - Electrical Distribution/Infrastructure

Electrical Distribution/Infrastructure **Main Distribution Panel w/Sub Panels and Generator/UPS - Medium Density**

Area of building served	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
100%	40	19	\$22.00 / GSF	134,210	GSF	\$2,952,620
Installed in 2001						

Services - Solar Power (PV)

Solar (Electric Generation) Provided **Solar Power, Photovoltaic (PV) Panel**

Owned/Maintained by School **No**

Value of Solar PV Panels: **\$1,064,115**

Quantity of Panels	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
600	20	16	\$85.00 / SF	12,519	SF	\$0
Installed in 2018						

Ancillary Structures

Ancillary Structures **Relocatable Building - Classroom/Office - Basic/Portable**

Total SF of Ancillary Structures	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
1040	15	-8	\$110.00 / SF	1,040	SF	\$114,400
Installed in 1999						

Secondary Ancillary Structures **Relocatable Building - Classroom/Office - Basic/Portable**

Total SF of Secondary Ancillary Structures	EUL	C-RUL	Cost / Unit	Quantity	Units	Total Value
900	15	2	\$110.00 / SF	900	SF	\$99,000
Installed in 2009						

Additional Comments

Lamoille Union High School net meters with Green Lantern Solar and is also part of the same campus as Lamoille Middle School and Green Mountain

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Explanation of Terms

Projected Capital Planning Cash Flow	The estimated replacement costs of systems as they expire annually.
Facility Condition Index (FCI)	The cost -weighted depleted value of the building compared to the total value of all its systems; overall percent of building useful life consumed by years in service.
Total Value of Assets	The total estimated replacement cost of all the assets listed in the form.
Value of Assets per GSF	The Total Value of all Assets in the form divide by the Gross Square Footage (GSF) of the building.
Facility Condition Index (FCI) Compared to Portfolio	The Facility Condition Index (FCI) of the building overlayed on the chart of FCI's for all buildings in the portfolio. Indicated by a red line in the chart.
Calculated Remaining Useful Life(C-RUL)	The current number of remaining years a system may be expected to perform in designed service.
Expected Useful Life (EUL)	The total number of years a system can be expected to perform in designed service when new.
Gross Square Footage (GSF)	The total square footage contained within the building for all floors/levels.
Cost per Unit	The estimated base cost for a single unit of a system. When multiplied by Quantity results in the total system cost.
Quantity	The amount of a system present in a building. When multiplied by the Cost per Unit results in the total system cost.
Units	The expressed unit of measure for a given system (GSF, EACH, TON, etc).
Ancillary Structures	Buildings on site that are typically known as portables, relocatables or temporary buildings.