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MHLS Facilities Plan | November 2024

Summary of Currently Prioritized Projects:

Project	Estimated Cost	Project Target Date	Notes
1. 3 rd Floor HVAC Replacement	\$75,000	2025-2026	This should not go beyond 2025-2026.
2. Office Building Boiler	\$70,000	2026-2027	This should not go beyond 2027-2028
3. Renovation – 2 nd floor office building	\$110,000	2027-2028	More staff need enclosed offices to facilitate participation in online meetings and webinar presentations. This cost estimate will need to be updated.

Part A: Major Systems Replacement Projections

Part B: Proposed Renovation Projects

Part C: Timeline for Maintenance & Critical Component Replacement

Part D: Completed Projects

Part A: Major Systems Replacement Projections

Target Year(s)	Priority Level	System/Component	Age of Component	Estimated Replacement	Estimated Cost	Funding Source	Sustainability and Energy-Efficiency Strategies	NOTES
2025-2026	1	<p><u>HVAC</u> Office building 3rd floor air circulator closet (Lennox Model CBH17-95V-2/Serial number 5193C87353) Office Building 3rd floor condenser (Inter-City Products Model CA5090VHA1)</p>	<p>1993 Will be 32 years old in 2025</p> <p>1996 Will be 28 year old in 2025</p>	25 years	\$75,000	MHLS Capital Funds & State Aid for Library Construction	Will instruct consultant to seek Energy Star rated equipment that match HVAC needs. MHLS practice for projects seeking State construction grant for HVAC is if a rated unit is not available with Energy Star ratings we do not require meeting a rating.	
2026-2027	2	<u>Office Building Boiler</u>	1992	2026-2030	\$70,000	MHLS Capital Funds & State Aid for Library Construction	EnergyStar	Should we investigate decarbonizing energy source?
2026-2027	3	<p><u>Office Building Elevator</u></p> <ul style="list-style-type: none"> • Pump • Electronics • Seals • Cylinder • Car 	<ul style="list-style-type: none"> • Pump - 2001 • Electronics -2001 • Seals - 2022 • Cylinder- 1966 • Car - 1966 	<ul style="list-style-type: none"> • Pump- '26 • Electronics '26 • Seals- '32 • Cylinder – '25 • Car - ? 	<ul style="list-style-type: none"> • Pump (?) • Electronics (?) • Seals: \$5,500 • Cylinder: \$60,000 • Car: \$1,000 	MHLS Funds		<p>2022: Seals - replaced</p> <p>2022: Cylinder – possibly, should be budgeting for it just in case</p> <p>Goal to meet ADA standards with signage and controls when/if car is updated</p>

Part B: Proposed Renovation Projects

Target Year(s)	Priority Level	System/Component	Age of Component	Estimated Replacement	Estimated Cost	Funding Source	Sustainability and Energy-Efficiency Strategies	NOTES
	1	<p><u>Office Building Renovation</u> <i>2nd floor</i></p> <ol style="list-style-type: none"> Drop Ceiling Lighting System Carpet Space Planning 	Original 1966 vinyl flooring	20-25 years	\$110,000	MHLS Capital Funds & State Aid for Library Construction	NSF/ANSI 140 http://www.nsf.org/services/by-industry/sustainability-environment/sustainability-standards-protocols/carpet	Given the impact of the new work-from-home patterns emerging due to COVID-19 this should be reconsidered.
	2	<p><u>Auditorium Assisted Learning System (ALS)</u></p>	Improvement		<p>FM System \$4,542</p> <p>Loop System \$11,303</p>	MHLS Capital Funds & State Aid for Library Construction		
	3	<p><u>Office Building Renovation</u> <i>1st floor</i></p> <ol style="list-style-type: none"> Redesign office layout for Financial and Administrative Assistants Expand conference room size 	20 years			MHLS Capital Funds & State Aid for Library Construction		Consider flooring changes/upgrades throughout business office, hallway, breakroom, bathroom when project is developed

	4	<u>Auditorium Insulation</u>	No insulation in majority of facility					
	5	<u>Office Building Renovation</u> <i>PHASE I – Renovation of Office Building 3rd Floor</i>	Original 1966 floor, ceiling, walls	Varies	\$50,000-100,000	MHLS Capital Funds & State Aid for Library Construction		Three Phase Project; [consider adding HVAC to this phase]
	6	<u>Office Building Renovation</u> <i>PHASE II – Renovation of Office Building 3rd Floor</i>	Original 1966 floor, ceiling, walls	Varies	\$50,000-100,000	MHLS Capital Funds & State Aid for Library Construction		Three Phase Project
	7	<u>Office Building Renovation</u> <i>PHASE II – Renovation of Office Building 3rd Floor</i>	Original 1966 floor, ceiling, walls	Varies	\$50,000-100,000	50% MHLS Capital & 50% Requested in 2019 for State Capital Funds Received 2020		Three Phase Project

Part C: Timeline for Maintenance & Critical Component Replacement

Target Year(s)	System/Component	Last Replacement of Component	Estimated Replacement	Estimated Cost	Funding Source	Sustainability and Energy-Efficiency Strategies	NOTES
2025	Parking Lot Repairs/Sealing/Striping	2022	3 years	\$6,300 for repairs/sealing/striping in 2017 \$9,346 for fence install in 2018	MHLS Funds		
Yearly	Window cleaning inside/outside/entire unit		Yearly	Auditorium \$325 & Office Building \$450	MHLS Funds		
2044	Office Building and Auditorium Gutters	Office Building 2023 Auditorium 2024	20 years	\$30,000	MHLS Funds		Evaluating feasibility of grey water collection for Office Building
2025, 2028, 2031	Auditorium: Exterior Shake Staining	2022	3 years	\$1,200 with labor provided by MHLS Staff in 2022	MHLS Funds		

2025, 2030	Office Building: Interior – 2 nd Floor Painting Ceiling & Wall	2015	5 years	\$600 with labor provide by MHLS Staff			Done in-house
2054, 2064	Office Building Roof System & Solar Installation	2024	Roof 40 years Solar panel 30 years	\$250,000	MHLS Capital Funds & State Aid for Library Construction	EnergyStar Standards Solar to be considered	Engineer evaluation determined 5 year replacement timeline with bi-annual condition checks
2026, 2036	Office Building - Exterior Painting	2014	12 years	\$27,874 in 2014	MHLS		
2025, 2035	Office Building - Exterior Landscaping	2014	10 years	\$6,850 in 2014	MHLS Funds		
2025	Auditorium - Exterior Painting	2013	12 years	\$16,668 in 2013	MHLS Funds & \$6,250 State Capital Funds Received 2013		
2022-2026	Office building elevator <ul style="list-style-type: none"> • Pump • Electronics • Seals • Cylinder • Car 	<ul style="list-style-type: none"> • Pump -2001 • Electronics -2001 • Seals - 2022 • Cylinder- 1966 • Car - 1966 	<ul style="list-style-type: none"> • Pump-'26 • Electronics '26 • Seals- '32 • Cylinder – '25 • Car - ? 	<ul style="list-style-type: none"> • Pump (?) • Electronics (?) • Seals: \$5,500 • Cylinder: \$60,000 • Car: \$1,000 	MHLS Funds		Goal to meet ADA standards with signage and controls when/if car is updated

2029	Parking Lot Resurfacing	2014	15 years	\$46,000 in 2014	50% MHLS Funds & 50 % in State Capital Funds Received 2014		
2029	Office Building – 1 st Floor Carpet	2014	15 years	\$6,870 in 2014	MHLS Operating Funds		
2026	Office Building Windows	2015	15 years	\$46,837 in 2015	MHLS Funds & \$17,815 in State Capital Funds Received 2014		
2026	Office building boiler (Dunkirk Model D247-400) Cast Iron	1992	30-50 years	\$70,000			Tech stated in 2015 the unit was great shape
2035	Office Building – 2nd Floor Restroom Fixtures	2015	20 years	\$3,035 in 2015	MHLS Funds		
2037	Auditorium Roof	2012	25 years	\$68,015 in 2012	MHLS Funds & \$26,629 State Capital Funds Received 2013		
2040	Auditorium furnace (Lennox Pulse G14 Model G14Q4-60-20/Serial number 5890J11643) Auditorium condenser (Lennox Model number HS17-953-SY/Serial number 5191C09501)7.5 ton	2015	25 years	\$35,101 in 2015	50% MHLS Funds & 50% in State Capital Funds Received 2015		

2041	Office Building first floor bathrooms (ADA) & Flooring for first floor entrance lobby area, staff kitchen, elevator lobby	2016	25 years	\$118,459 in 2016 (Renovate \$97,574 + Abatement \$16,700 + \$4,185)	MHLS Funds & in State Capital Funds		2016 - \$115,700 for renovation including ADA compliance
2041	Office building front glass outside and inside walls - Replacement of window gaskets and the sealing of window frames	2016	Single glass wall and doors not replaced until broken Gaskets & Sealing – 25 years		MHLS Operating Funds		2016 - \$1,008 with labor provided by Chris Herron
2041	Office Building 2 nd floor staff lounge – cabinets, sink	2016	25 years		MHLS Operating Funds		
Unknown	Waste pipes – Office Building	Original-1963	When failure occurs				
N/A	Auditorium Basement Asbestos Abatement (Phase 1)	2014	Asbestos permanently removed	\$45,656 in 2014	50% MHLS Funds & 50% in State Capital Funds Received 2015		
N/A	Auditorium Basement Asbestos Abatement (Phase 2)	2015	Asbestos permanently removed	\$54,177 in 2015	50% MHLS Funds & 50% in State Capital Funds Received 2015		

Part D: Completed Projects

Target Year(s)	System/Component	Age of Component	Estimated Replacement	Cost	Funding Source	Sustainability and Energy-Efficiency Strategies	NOTES
2016-2017	<p><u>HVAC Replacement</u></p> <ol style="list-style-type: none"> Office Building 1st floor condenser (Lennox Model HS17-1353-3Y/Serial number 5191DO6254) 10-ton unit Office Building 1st floor air circulator (Trane Model BHP-10B Type 651-95D no serial number found) 	1991 (27 years old)	25 years	\$49,715	\$24,853 MHLS Capital Funds & \$24,862 Public Library Construction Aid Program Grant	<p>Checking on 10 ton or 120,000 BTU/h unit split system as Energy Star rated. Consultant/Synergy Designs spec is 11.2 SEER and 11.2 EER for unit. Request to Synergy for clarification of their recommendation as it relates to Energy Star.</p> <p>MHLS practice for projects seeking State construction grant for HVAC is if a rated unit is not available with Energy Star ratings we do not require meeting a rating.</p>	Completed 2016
2016-2017	<p><u>PHASE I - Auditorium</u></p> <ol style="list-style-type: none"> Windows Asbestos Abatement 	Window likely more than 50 years old	30 years	\$119,000	\$72,565 MHLS Capital Funds & \$46,435 Public Library Construction Aid Program Grant	New windows will meet Energy Star specifications for the Northern Climate Zone requiring a U-Factor rating ≤ 0.27 or a U-Factor rating =0.28 and a SHGC rating ≥ 0.32 , or a U-Factor rating =0.29 and a SHGC rating ≥ 0.37 , or a U-Factor rating =0.30 and a SHGC rating ≥ 0.42 .	Completed 2016

2017-2018	<u>PHASE II - Auditorium</u> 1. Replacement of Suspended Ceiling 2. Replacement of Lighting System 3. Construction of IT Room 4. Asbestos Abatement 5. IT & Online Meeting & Presentation Equipment	Varies	TBD	\$206,947	\$103,474 MHLS Capital Funds & \$103,473 Public Library Construction Aid Program Grant	Varies based on Element	Completed 2017
2022	<u>Parking Lot</u> 1. Repairs 2. Sealing 3. Improved Striping	Resurfaced 2014 Repaired, Sealed, Striped 2017, 2022	Resurface 15 years Repairs & Sealing 3 years	\$6,800	MHLS Capital Funds	TBD	Completed 2017
2018-2019	<u>PHASE III – Auditorium</u> 1. Expanded meeting space & storage from stage removal 2. Reconfigured refreshment center for easier use and management 3. User & IT friendly furniture 4. Carpet and painting	Varies	TBD	\$167,646	50% MHLS Capital & 50% Requested in 2018 for Library Construction Aid Program Grant to be received 2019		Completed 2019

2020-2021	HVAC Replacement Office building 2nd floor - Two air handler units(AHU) and one condenser	Oldest components date from 1994 (23 years)	25 years	\$61,796 confirmed	MHLS Capital Funds matched with State Aid for Library Construction Program	Will instruct consultant to seek Energy Star rated equipment that match HVAC needs. MHLS practice for projects seeking State construction grant for HVAC is if a rated unit is not available with Energy Star ratings we do not require meeting a rating.	Contract signed. Work to be done by the end of 2019. State Aid for Library Construction Grant submitted for 2019-2020.
2021-2022	Office Building Renovation Delivery Services Area 1. Flooring System – (\$8,250 from 2017 estimate) 2. Garage Door & Opener: Wall mount opener/torsion spring/insulated door -\$5000 3. HVAC: HRV - \$7,000 Heat pump - \$15,000	Flooring Original 1966 concrete Door likely original 1963 & Opener installed 2000	Door 15-30 years 56 years old in 2019 & Opener 10-15 years 19 years old in 2019	\$30,000	MHLS Capital Funds & State Aid for Library Construction Program	Determine feasibility of dock area exhaust system Explore LED Lighting System	
2022	Office Building Renovation 3rd floor <i>Creation of a webinar/recording room</i> 1. Ceiling 2. Lighting 3. Flooring 4. Acoustical panels			\$5,000			

2023	<u>Pollinator Garden</u>			\$15,997.68			
2023	<u>Railings on front of office building</u>			\$8,940			
2024	Office building roof, gutters & Solar			\$206,809	MHLS Capital Funds & State Aid for Library Construction Program Federal Tax Credit State Incentive		
2024	Auditorium gutters			\$10,242	MHLS Capital funds		