

Hospital Corporation	Site Name	ASSET Name	Requirement Name	Requirement ID	Requirement Cost	Action Year	Project Maintenance Code	Project Recommendation Type	Project Risk Code	Project Priority	Requirement Description	Category	Code Violation or Safety Issue
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Basement walls restoration.	REQN-12226	\$51,089.85	2017	Renewal Projects	Repair	High	3 - Asset Integrity - Type A - Imminent Breakdown	Repair the leaks in the mechanical room in the basement. The budget provided for the leak repair in the basement mechanical room includes the costs of the excavation, waterproofing, and the seal of the expansion joint. This budget is also to restore the front beam.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Repair/restoration of the brick walls at various locations.	REQN-12343	\$1,235,594.25	2017	Renewal Projects	Repair	High	3 - Asset Integrity - Type A - Imminent Breakdown	Brick walls repair and restoration, including cleaning, replacement of the deteriorated or damaged bricks, jointing and repointing of the mortar, and cleaning of the concrete fascias. This budget is also to repair the deteriorated EIFS, asbestos siding, and cementitious exterior wall panels.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the exterior windows in 1974, 1984 and east side wing.	REQN-12245	\$250,481.25	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace all the exterior windows in the 1974 and 1984 additions and the east side wing due to exceeding useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the remaining exterior windows.	REQN-12247	\$751,443.75	2031	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the remaining exterior windows at the end of service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement the exterior doors in 1964 building, 1974 addition, and the penthouse.	REQN-12286	\$133,035.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the exterior doors in the 1964 building, the 1974 addition, and the penthouse due to exceeding useful life. This budget is also for the lock and key system.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the remaining exterior doors.	REQN-12288	\$133,035.00	2031	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the remaining exterior doors at the end of service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the roof in the 1974, 1984 and 2006 additions.	REQN-12300	\$1,101,660.00	2018	Renewal Projects	Replacement	Low	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the roof in the 1974, 1984 and 2006 additions.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the remaining roof.	REQN-12302	\$1,652,490.00	2035	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the remaining roof at the end of service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement/Refurbishment the interior doors as needed throughout the building.	REQN-13886	\$331,857.45	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace/refurbish the deteriorated interior doors throughout the building.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Dead end condition	REQN-393226	\$16,592.87	2017	Deferred Maintenance	Study Rec	High	4 - Asset Integrity - Type B - Program Coordination	The lack of doors in the corridor to the conference room adjacent to the library in the north 2000 building addition results in an apparent dead-end corridor condition.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the casework, washroom accessories, dumpers and the wall guards throughout the building.	REQN-12339	\$799,632.60	2017	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the deteriorated casework, old washroom accessories, damaged dumpers and the deteriorated wall guards throughout the building.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the signage in the first and second floor.	REQN-12340	\$184,530.60	2017	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the old signage on the first and second floor.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement the remaining fittings.	REQN-14222	\$138,397.95	2019	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the remaining fittings throughout the building.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the carpeting in the building except for the broadloom carpet.	REQN-10830	\$301,598.40	2018	Renewal Projects	Replacement	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the old carpeting in the building except for the broadloom carpet. This budget is also to repaint the deteriorated concrete paint.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the vinyl flooring throughout the building.	REQN-12322	\$1,779,430.54	2018	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the old vinyl flooring throughout the building.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the ceramic tile in the building.	REQN-12331	\$30,159.84	2018	Renewal Projects	Replacement	Low	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the ceramic tile in the building at the end of service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the T-Bar in the first and second floor for 1974 addition.	REQN-12333	\$103,178.40	2017	Renewal Projects	Replacement	Low	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the old T-Bar in the first and second floor for the 1974 addition.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the ceiling throughout the building	REQN-12334	\$412,713.60	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the old and deteriorated ceiling throughout the building. This budget is also to replace the old AC in the lab of the first floor.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Passenger elevator modernization.	REQN-7984	\$321,561.60	2018	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Perform modernization of the passenger elevator at the end of useful service life. The modernization will likely require refurbishment of the elevator cabs, controls, motor/ hydraulics, wiring and changes required as per current code requirements.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Modernization of three passenger elevators.	REQN-7985	\$364,032.00	2025	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Perform modernization of three passenger elevators at the end of useful service life. The modernization will likely require refurbishment of the elevator cab, controls, motor/ hydraulics, wiring and changes required as per current code requirements.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the plumbing fixtures.	REQN-8004	\$1,644,800.00	2030	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the water closets, lavatories, urinals, showers and sinks due to end of useful life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Domestic water distribution system upgrades.	REQN-8029	\$1,366,006.40	2018	Renewal Projects	Repair	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Repairs or upgrade of the domestic water distribution system is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the domestic water distribution system piping and accessories. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget. The investigations may include cut-sample lab inspection, ultrasonic survey or CCTV inspection. The upgrade/repair of the domestic water distribution system is recommended to be performed in conjunction with the renovations of each floor level and the requirement can be split considering floor-wise renovation plans of the asset.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Domestic water storage tanks replacement.	REQN-8084	\$384,189.30	2035	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replacement of the domestic water storage tanks is required at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Domestic water storage tanks replacement.	REQN-8036	\$76,837.86	2046	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the domestic water storage tanks at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Booster pumps replacement.	REQN-8037	\$102,450.48	2025	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the domestic water booster pumps at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Sanitary waste piping upgrade.	REQN-8045	\$368,435.20	2018	Renewal Projects	Repair	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Repairs or upgrade of the sanitary waste distribution system components is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. Typically, sanitary systems require inspection and maintenance every thirty (30) to forty (40) years to identify pipe deterioration and blockages due to sludge accumulation. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the system. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget and in conjunction with the rainwater systems investigations which is noted in D2040000 - Rain Water Discharge - General. The requirement can be split considering floor-wise renovation plans of the asset.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Rain water discharge system upgrades.	REQN-8055	\$156,255.75	2018	Renewal Projects	Repair	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Repairs or upgrade of the rainwater discharge system components is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. Typically, rainwater discharge systems require inspection and maintenance every thirty (30) to forty (40) years to identify pipe deterioration and blockages due to sludge accumulation. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the system. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget and in conjunction with the sanitary waste systems investigations which is included in D2030000 - Sanitary Waste - General. The upgrade/repair of the system is recommended to be performed in conjunction with the renovations of each floor level and the requirement can be split considering floor-wise renovation plans of the asset.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the water treatment systems.	REQN-8060	\$193,459.50	2025	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the water conditioning equipment at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement the hot water boilers and accessories.	REQN-8350	\$489,110.40	2025	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the hot water boilers and accessories at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Heat exchanger replacement.	REQN-8352	\$60,384.00	2018	Renewal Projects	Replacement	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the heat exchangers at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement the heating pumps.	REQN-8353	\$166,056.00	2025	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the heating pumps at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of steam boilers and accessories.	REQN-8354	\$386,457.60	2030	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the steam boilers and accessories at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the deaerator and accessories.	REQN-8358	\$120,768.00	2030	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	The deaerator and accessories shall be replaced at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement the main chiller.	REQN-8292	\$603,187.20	2030	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the main chiller at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the Main cooling tower.	REQN-8296	\$283,852.80	2030	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the main cooling tower at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement the chilled and condenser water pumps.	REQN-8301	\$177,408.00	2025	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the chilled and condenser water pumps at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the CT scanner chiller.	REQN-8295	\$354,816.00	2035	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the CT scanner chiller at the end of service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the cooling tower (CT 95-1).	REQN-8304	\$168,537.60	2035	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replacement of the cooling tower (CT 95-1) is required at the end of service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the air handling units AHU S-1 to AHU S-4 and accessories.	REQN-8253	\$302,463.15	2018	Renewal Projects	Replacement	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the air handling units AHU S-1 to AHU S-4 and accessories at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the solarium rooftop unit and accessories.	REQN-8256	\$177,919.50	2021	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the solarium rooftop unit and accessories at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the AHU 95-1 to AHU 95-8 and accessories.	REQN-8266	\$1,209,852.60	2040	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replacement of the AHU 95-1to AHU 95-8 and accessories will be required at the end of useful service life.	No	No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the AHU-101 and Accessories.	REQN-8274	\$88,959.75	2045	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replacement of the AHU-101 and accessories will be required at the end of useful service life.	No	No

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Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Repair/replace the air distribution system components.	REQN-8167	\$649,577.48	2018	Renewal Projects	Repair	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Repair and/or replace the air distribution system components, such as ductwork, reheat coils, ceiling and wall diffusers, grilles, and other control mechanisms at the end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Repair or upgrade of the hydronic piping.	REQN-8168	\$1,515,680.78	2018	Renewal Projects	Repair	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Repairs or upgrade of the heating and cooling distribution piping is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the heating and cooling distribution piping and accessories. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget. The investigations may include cut-sample lab inspection, ultrasonic survey or CCTV inspection. The upgrade/repair is recommended to be performed in conjunction with the renovations of each floor level and the requirement can be split considering floor-wise renovation plans of the asset.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Exhaust fans replacement.	REQN-8171	\$411,399.07	2030	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replacement of the exhaust fans will be required at the end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Ventilation system investigations to determine current condition and renewal needs.	REQN-8186	\$43,305.17	2018	Renewal Projects	Study recommended	Medium	7 - Discretionary	Conduct additional investigations and upgrade to the ventilation system. There are areas within the facility where the ventilation is inadequate. A study should be performed to ensure that ventilation is adequate for the facility as a whole. This requirement is carried forward from the previous assessment as it does not seem to have been addressed.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the terminal and package units.	REQN-8157	\$260,426.25	2022	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replacement of the terminal and package units will be required due to end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Upgrade the control system.	REQN-8137	\$1,011,942.00	2040	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Upgrade of the control system will be required due to end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Standpipe system upgrades.	REQN-8104	\$156,255.75	2022	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Upgrade the standpipe system in conjunction with the sprinkler system upgrades. Periodic inspection, testing, and maintenance shall be continued as per the requirements of the Ontario Fire Code, NFPA 25, and all applicable by-laws. The requirement should be phased over several years based on the availability of areas and renovation plans.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of fire pump, jockey pumps and accessories.	REQN-8118	\$97,500.00	2037	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the fire pumps and accessories at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Kitchen fire suppression system upgrade.	REQN-8122	\$90,000.00	2020	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Upgrade the wet chemical fire suppression system for the kitchen hood at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Electrical service and distribution system upgrade.	REQN-8394	\$1,964,358.00	2046	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Upgrade the main electrical service and distribution system for the building installed circa 2000. The replacement budget is tentative and the replacement/upgrade should be performed based on a detailed electrical study. The scope, budget, and implementation time frame should be adjusted based on the study findings.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Electrical Panels replacement.	REQN-8395	\$176,792.22	2018	Renewal Projects	Replacement	Low	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the original electrical panels at the end of service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Distribution Panelboards replacement.	REQN-8396	\$58,930.74	2018	Renewal Projects	Replacement	Low	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the original distribution panelboards "DP-5" and "DP-6E" at the end of service life to avoid the possibility of potential equipment failure, causing service disruption. The equipment is obsolete and spare parts are no longer available.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Electrical distribution system upgrade.	REQN-8456	\$196,435.80	2018	Renewal Projects	Replacement	Low	3 - Asset Integrity - Type A - Imminent Breakdown	Upgrade the original distribution electrical system for the building. The replacement budget is tentative and the replacement/upgrade should be performed based on a detailed electrical study. The scope, budget, and implementation time frame should be adjusted based on the study findings. A short-circuit and coordination study followed by an arc flash study should be conducted in order to identify the specific arc flash hazard and the arc flash protection boundary (the closest approach allowed before PPE must be worn) at any applicable piece of electrical distribution equipment within the facility. The study should be conducted according to the guidelines provided in CSA 2462-15 (Workplace electrical safety), and following the study, Arc flash warning signs should be installed on all applicable equipment.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Perform an arc flash study and labeling.	REQN-8894	\$50,000.00	2017	Renewal Projects	Invasive testing recommended	Medium	1 - Health and Life Safety			YES
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Upgrade the interior lighting at the end of useful service life.	REQN-8451	\$822,946.95	2022	Renewal Projects	Replacement	Low	6 - Energy Management	Upgrade the interior lighting at the end of useful service life with energy efficient or Light Emitting Diode (LED) technology lighting. An audit of the lighting is recommended prior to the upgrade and the scope and budget should be updated accordingly. The recommended audit can determine the return on investment for upgrading to the newest technology and can either justify the project or rule it out.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the telephone wiring system.	REQN-8410	\$255,961.80	2025	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace telephone wiring system at the end of service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Public address system upgrade/replacement	REQN-8433	\$372,037.50	2030	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace/upgrade the public address system at the end of service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the nurse call system.	REQN-8411	\$337,500.00	2018	Renewal Projects	Replacement	Low	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the nurse call system. The system is obsolete and spare parts are no longer available.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the master clock system.	REQN-8413	\$96,000.00	2025	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the master clock system at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Fire alarm audit, design and upgrade.	REQN-8416	\$531,269.55	2019	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	It is recommended to conduct a detailed audit, design and upgrade for the fire alarm system, as per the requirements of the Ontario Fire Code, NBC, CAN/ULC S5314 all applicable codes and standards.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Card access system upgrade/replacement.	REQN-8421	\$163,696.50	2042	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace/upgrade the card access system at the end of service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	UPS system replacement.	REQN-8422	\$52,500.00	2030	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the UPS system at the end of service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the emergency generator system.	REQN-8431	\$342,000.00	2030	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the emergency power generator and other related equipment at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Medical gas and air system upgrade.	REQN-8069	\$1,041,705.00	2030	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	A placeholder budget is included in this requirement for any repairs or upgrades of the Medical air and gas systems. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Garbage compactor replacement.	REQN-8087	\$45,000.00	2030	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the garbage compactor at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Loading dock equipment replacement.	REQN-8088	\$75,000.00	2022	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the loading dock equipment at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	walk-in refrigerators/freezers replacement.	REQN-8092	\$225,000.00	2030	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the walk-in refrigerators/freezers at the end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Roofing - Deteriorated Roof Assembly	REQ-73082	\$153,514.00	2016		Repair		5 - Asset Integrity - Type C - Proactive Replacement	Portions of the 2000 roof assembly over the 1964 building 'spongy' underfoot, and it appeared the roof assembly below may be saturated. It appears problems may stem from installation defects as well as a moisture survey performed that was unauthorized by Tremco, voiding roof warranty. The broadloom carpet located throughout the 1st floor is aged, worn and beyond its useful life expectancy. Removal and replacement is warranted to maintain the visual appeal.	699	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Floor Finishes - Carpet Aged And Worn - 1st Floor	REQ-322494	\$147,414.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement		695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Emergency Light and Power Systems - Aged Exit Signs - 1st floor	REQ-78768	\$56,287.00	2013		Replacement		1 - Health and Life Safety	The existing exit signs are beyond their BOMA life expectancy of 10 years and they should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Emergency Light and Power Systems - Aged Exit Signs - Basement floor	REQ-314875	\$10,385.00	2013		Replacement		1 - Health and Life Safety	The existing exit signs are beyond their BOMA life expectancy of 10 years and they should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Emergency Light and Power Systems - Aged Exit Signs - 2nd floor	REQ-314876	\$20,909.00	2013		Replacement		1 - Health and Life Safety	The existing exit signs are beyond their BOMA life expectancy of 10 years and they should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Domestic Water Distribution - Backflow Protection Lacking	REQ-314528	\$59,485.00	2013		Repair		1 - Health and Life Safety	The water main for stand pipe system to the building is lacking backflow protection as per the Ontario Building Code Article 7.6.2.2. Comments: "Note: Elevated temperatures will also reduce the life of the electrical equipment."	700	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Terminal & Package - Elevator Machine Room - Excessively Warm	REQ-314529	\$24,648.00	2014		Study recommended		3 - Asset Integrity - Type A - Imminent Breakdown	The elevator machine room located in room 1402 lacks cooling. This room seems to experience excessive warming due to heat emitted by the elevator machines in the room. High space temperature can cause the equipment to overheat and fail. Comments: "Note: Elevated temperatures will also reduce the life of the electrical equipment."	699	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Branch Wiring Devices - Non-GFCI Outlet - at sinks	REQ-314879	\$2,462.00	2013		Replacement		1 - Health and Life Safety	Electrical receptacles located at sinks in few locations not equipped with ground fault circuit interrupter (GFCI) protection as required by NEC-2008 Edition - Article 210.8.	696	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Emergency Light and Power Systems - Egress Lighting Aged	REQ-78816	\$13,750.00	2010		Replacement		1 - Health and Life Safety	The battery pack units for egress lighting are beyond their BOMA life expectancy of 10 years and they should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Exterior Walls - Deteriorated EIFS	REQ-73080	\$9,929.00	2016		Repair		5 - Asset Integrity - Type C - Proactive Replacement	Portions of the EIFS finish on exterior walls of the 1984 addition are deteriorated.	699	

Hospital Corporation	Site Name	ASSET Name	Requirement Name	Requirement ID	Requirement Cost	Action Year	Project Maintenance Code	Project Recommendation Type	Project Risk Code	Project Priority	Requirement Description	Category	Code Violation or Safety Issue
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Exterior Walls - Deteriorated Cementitious Panels	REQ-73084	\$89,586.00	2014		Repair		3 - Asset Integrity - Type A - Imminent Breakdown	The Cementitious exterior wall panels enclosing the 1974 wing penthouse are deteriorated and in some locations, broken, allowing water penetration.	699	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Exterior Windows - Aged Aluminium - ca. 1974	REQ-73079	\$587,710.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The windows in the 1964 building and 1974 and 1984 wings are aged and inefficient.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Interior Doors - Corridors - Dead End Condition	REQ-73123	\$7,957.00			Repair		7 - Discretionary	The lack of doors on the corridor to the conference room adjacent to the library in the north 2000 building addition results in an apparent dead-end corridor condition.	697	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Fittings - Signage - Aging - 1st Floor	REQ-322495	\$25,667.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The signage throughout the hospital on the 1st floor is aging, incomplete, and does not meet the requirements for barrier-free design.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Fittings - Signage - Aging - 2nd Floor	REQ-322500	\$25,667.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The signage throughout the hospital on the 2nd floor is aging, incomplete, and does not meet the requirements for barrier-free design.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Floor Finishes - Vinyl Floor Aged And Worn - 2nd Floor	REQ-322503	\$613,946.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The vinyl sheet flooring located throughout the 2nd floor is aged, worn and beyond its useful life expectancy. Removal and replacement is warranted to maintain the visual appeal.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Floor Finishes - Vinyl Floor Aged And Worn - 1st Floor	REQ-322504	\$613,946.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The vinyl sheet flooring located throughout the 1st floor is aged, worn and beyond its useful life expectancy. Removal and replacement is warranted to maintain the visual appeal.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Floor Finishes - Concrete Finish Aged	REQ-73077	\$49,131.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The finish on painted slabs in the penthouses, maintenance, and service areas is aged and worn.	702	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Floor Finishes - VCT Aged - Ground Floor	REQ-73083	\$94,098.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The VCT flooring located in the original building and 1974 addition is aged, worn, a deteriorated. Some areas appear to be ACM.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Ceiling Finishes - 2x4 ACT Worn (1974) - 1st Floor	REQ-322498	\$18,561.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The TBAR throughout the 1st floor in the 1974 construction areas is past its life expectancy and exhibits wear and staining at various locations. Removal and replacement of ceiling tile in all corridors on this floor is warranted to maintain the visual appeal of the interior ceiling finish.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Ceiling Finishes - 2x4 ACT Worn (1974) - 2nd Floor	REQ-322499	\$18,561.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The TBAR throughout the 2nd floor in the 1974 construction areas is past its life expectancy and exhibits wear and staining at various locations. Removal and replacement of ceiling tile in all corridors on this floor is warranted to maintain the visual appeal of the interior ceiling finish.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Ceiling Finishes - Aged 1x1 - 1st Floor	REQ-322502	\$47,746.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The ceiling finishes in the Lab of the 1st floor (1974 addition) are aged and deteriorated.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Elevators and Lifts - Hydraulic Passenger Elevator - Defective Aged	REQ-73339	\$320,717.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The hydraulic passenger elevator system was installed in 1970, more than 35 years old and defective, has exceeded the BOMA Building Systems Useful Life of 35 years.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Domestic Water Distribution - Piping Aged - 2nd Floor	REQ-314580	\$184,624.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The majority of the existing domestic water distribution system was installed in 1964 and is approximately 45 years old. Although functional, the system has exceeded the BOMA Building Systems Useful life of 30 years and should be replaced. This system should be replaced within the next three years for reliability.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Domestic Water Distribution - Piping Aged - Basement	REQ-314581	\$184,624.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The majority of the existing domestic water distribution system was installed in 1964 and is approximately 45 years old. Although functional, the system has exceeded the BOMA Building Systems Useful life of 30 years and should be replaced. This system should be replaced within the next three years for reliability.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Domestic Water Distribution - Piping Aged - 1st Floor	REQ-73340	\$184,624.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The majority of the existing domestic water distribution system was installed in 1964 and is approximately 45 years old. Although functional, the system has exceeded the BOMA Building Systems Useful life of 30 years and should be replaced. This system should be replaced within the next three years for reliability.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Sanitary Waste - Gravity Discharge - Aging - 2nd Floor	REQ-314575	\$67,482.00	2016				5 - Asset Integrity - Type C - Proactive Replacement	The waste system appears to have not had any replacements or major repairs made. Due to the age of the system and normal wear the system will likely result in excessive maintenance and reliability is questionable. Additionally, a failure could cause significant damage to the facility.	699	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Sanitary Waste - Gravity Discharge - Aging - Basement	REQ-314576	\$67,482.00	2016				5 - Asset Integrity - Type C - Proactive Replacement	The waste system appears to have not had any replacements or major repairs made. Due to the age of the system and normal wear the system will likely result in excessive maintenance and reliability is questionable. Additionally, a failure could cause significant damage to the facility.	699	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Sanitary Waste - Gravity Discharge - Aging - 1st Floor	REQ-314577	\$67,482.00	2016				5 - Asset Integrity - Type C - Proactive Replacement	The waste system appears to have not had any replacements or major repairs made. Due to the age of the system and normal wear the system will likely result in excessive maintenance and reliability is questionable. Additionally, a failure could cause significant damage to the facility.	699	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Rain Water Drainage - Aging - 1st Floor	REQ-314572	\$126,072.00	2016				5 - Asset Integrity - Type C - Proactive Replacement	The rainwater drainage systems on each roof were installed in 1964 and are aged, more than 48 years old and nearing the end of its BOMA Building Systems Useful Life of 50 years and should be replaced. Although maintained properly, the systems have degraded in condition over the last 48 years.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Rain Water Drainage - Aging - 2nd Floor	REQ-314578	\$126,072.00	2016				5 - Asset Integrity - Type C - Proactive Replacement	The rainwater drainage systems on each roof were installed in 1964 and are aged, more than 48 years old and nearing the end of its BOMA Building Systems Useful Life of 50 years and should be replaced. Although maintained properly, the systems have degraded in condition over the last 48 years.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Rain Water Drainage - Aging - Basement	REQ-314579	\$126,072.00	2016				5 - Asset Integrity - Type C - Proactive Replacement	The rainwater drainage systems on each roof were installed in 1964 and are aged, more than 48 years old and nearing the end of its BOMA Building Systems Useful Life of 50 years and should be replaced. Although maintained properly, the systems have degraded in condition over the last 48 years.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Distribution Systems - Aged Distribution Ductwork System - 1st Floor	REQ-314752	\$442,939.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The majority of the building air distribution system was installed in 1960 and is aged, more than 50 years old and has exceeded the BOMA Building Systems Useful Life of 30 years and should be replaced. Although maintained properly, the system has degraded in condition over the last 50 years, has worn mixing boxes, diffusers and other mechanical components and will require replacement.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Distribution Systems - Aged Distribution Ductwork System - 2nd Floor	REQ-314753	\$428,246.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The majority of the building air distribution system was installed in 1960 and is aged, more than 50 years old and has exceeded the BOMA Building Systems Useful Life of 30 years and should be replaced. Although maintained properly, the system has degraded in condition over the last 50 years, has worn mixing boxes, diffusers and other mechanical components and will require replacement.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Distribution Systems - North Wing Exhaust Fans - Aged	REQ-73337	\$163,572.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The building rooftop exhaust fans in the north wing are aged and beyond useful life. They should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Distribution Systems - Central AHU Units - North Wing - Aged	REQ-73336	\$755,656.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The four air handling units installed in 1970 in north mechanical room are aged, about 39 years old and have exceeded the BOMA Building Systems Useful Life and should be replaced. Although these units were upgraded in 2000 and have been maintained properly, the units have degraded in condition over the last 39 years, have internal rust and corrosion and will require replacement. Numerous areas of surface corrosion on the internal acoustic panels and deteriorated internal component support steel were among the deficiencies observed.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Branch Wiring Equipment & Devices - End of Life - ca 1964	REQ-78769	\$250,999.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Branch circuit devices and wiring on this floor are original to the building and are beyond their useful life of 30 years per 2003 BOMA. A complete replacement is recommended.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Branch Wiring Equipment & Devices - End of Life - ca 1974	REQ-78796	\$138,294.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Branch circuit devices and wiring on this floor are original to the building and are beyond their useful life of 30 years per 2003 BOMA. A complete replacement is recommended.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Branch Wiring Equipment & Devices - End of Life - ca 1984	REQ-78794	\$15,714.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Branch circuit devices and wiring on this floor are original to the building and are beyond their useful life of 30 years per 2003 BOMA. A complete replacement is recommended.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Call Systems - Nurse Call System End of Life	REQ-486777	\$266,288.00	2016		Replacement		1 - Health and Life Safety	The existing Nurse Call System is aged beyond the recommended useful life cycle of 10 years. Replacement of the existing systems with a new system is recommended. Manufacturer no longer supports this system and replacement parts are no longer available. Life safety for patients to call nursing for assistance. System is also used to call for trauma teams when patients code (heart stops).	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Fire Alarm System - Aged	REQ-78802	\$857,598.00	2013		Replacement		1 - Health and Life Safety	The existing limited fire alarm system is at the end of its BOMA rated useful life expectancy of 10 years, replacement should be planned.	699	

Hospital Corporation	Site Name	ASSET Name	Requirement Name	Requirement ID	Requirement Cost	Action Year	Project Maintenance Code	Project Recommendation Type	Project Risk Code	Project Priority	Requirement Description	Category	Code Violation or Safety Issue
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Storage Garage - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Roofing - Asphalt Shingle - Aged	REQ-73178	\$10,128.00	2016		Replacement	High	5 - Asset Integrity - Type C - Proactive Replacement	Deterioration of the asphalt shingle roof is evident.	699	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Storage Barn - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the wood panels.	REQ-15082	\$40,000.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the wood panels.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Storage Barn - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the exterior window.	REQ-14249	\$2,250.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the exterior window due to exceeding useful service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Storage Barn - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the exterior door.	REQ-14251	\$3,750.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the deteriorated exterior door.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Storage Barn - Muskoka Algonquin Healthcare - South Muskoka Memorial Hospital Site	Replacement of the roof coverage.	REQ-14250	\$18,648.00	2027	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the roof coverage at the end of useful life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Repair/restoration of the brick walls at various locations.	REQ-11675	\$351,202.50	2018	Renewal Projects	Repair	High	3 - Asset Integrity - Type A - Imminent Breakdown	Brick wall repair and restoration, including cleaning, replacement of the deteriorated or damaged bricks, jointing and repointing of the mortar, and cleaning of the concrete fascias.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement/Refinishing the wood soffits.	REQ-15019	\$70,240.50	2017	Deferred Maintenance	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace/refinish the deteriorated wood soffits.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the exterior windows throughout the building.	REQ-11503	\$648,787.50	2018	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the original exterior windows throughout the building.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the overhead doors in the loading bay and ambulance garage bay.	REQ-11615	\$44,250.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the overhead doors at the ambulance garage bays and loading bay due to end of useful life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the remaining exterior doors.	REQ-11617	\$44,250.00	2026	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the remaining exterior doors at the end of service life.	NO	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the steel doors.	REQ-11628	\$53,100.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the deteriorated steel exterior doors due to exceeding useful service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the roof covering.	REQ-11619	\$2,889,600.00	2031	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the remaining roof covering at the end of service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the interior doors throughout the building.	REQ-11625	\$995,572.35	2017	Renewal Projects	Replacement	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the deteriorated interior doors throughout the building.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the casework, signage, and washroom accessories on the ground, first, and second floor.	REQ-11623	\$1,523,865.60	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the deteriorated casework on the ground floor and second floor, old washroom accessories, as well as the signage.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the remaining fittings in the building.	REQ-11745	\$214,293.60	2018	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	The budget allows replacing the remaining fittings in the building at the end of service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the vinyl flooring throughout the building.	REQ-11667	\$904,795.20	2018	Renewal Projects	Replacement	High	5 - Asset Integrity - Type C - Proactive Replacement	Replace the deteriorated vinyl flooring on the first and second floor, also in the original building, at the end of service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the carpet flooring throughout the building.	REQ-11669	\$603,196.80	2018	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the carpet flooring in the administrative office areas, meeting spaces, and on-call areas.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the ceramic tile and repaint the concrete.	REQ-11672	\$301,598.40	2018	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the ceramic tiles in the entry area, gift shop, and some toilet and tub rooms and repaint the concrete in the mechanical rooms, maintenance areas, and garage.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the remaining floor finishing in the first and second floor.	REQ-11998	\$452,397.60	2020	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the remaining floor finishing on the first and second floor at the end of service life.	NO	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the asbestos flooring throughout the building.	REQ-39396	\$603,196.80	2017	Renewal Projects	Replacement	High	1 - Health and Life Safety	Replace the asbestos flooring throughout the building.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the ceiling throughout the building.	REQ-14213	\$825,427.20	2019	Renewal Projects	Replacement	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the deteriorated ceiling throughout the building.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Passenger elevator modernization.	REQ-9215	\$212,670.00	2018	Renewal Projects	Replacement	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Perform modernization of the passenger elevators at the end of useful service life. The modernization will likely require refurbishment of the elevator cabs, controls, motor/hydraulics, wiring and changes required as per current code requirements.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the plumbing fixtures.	REQ-9344	\$1,318,400.00	2018	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the water closets, lavatories, showers and sinks due to end of useful life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Domestic water distribution system upgrades.	REQ-9378	\$718,548.60	2025	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Repairs or upgrade of the domestic water distribution system is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the domestic water distribution system piping and accessories. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget. The investigations may include cut-sample lab inspection, ultrasonic survey or CCTV inspection. The upgrade/repair of the domestic water distribution system is recommended to be performed in conjunction with the renovations of each floor level and the requirement can be split considering floor-wise renovation plans of the Asset.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Domestic water storage tank and accessories replacement.	REQ-9381	\$36,953.93	2038	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replacement of the domestic water tank will be required at the end of useful service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Domestic water heater replacement.	REQ-9383	\$92,384.82	2025	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the domestic water heater at the end of useful service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the domestic water booster pumps.	REQ-9384	\$82,119.84	2018	Renewal Projects	Replacement	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the domestic water booster pumps located in the basement at the end of useful service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Sanitary waste piping upgrade.	REQ-9391	\$221,491.20	2019	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Repairs or upgrade of the sanitary waste distribution system components is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. Typically, sanitary systems require inspection and maintenance every thirty (30) to forty (40) years to identify pipe deterioration and blockages due to sludge accumulation. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the system. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget and in conjunction with the sanitary waste systems investigations which is included in D2030000 - Sanitary Waste - General. The upgrade/repair of the system is recommended to be performed in conjunction with the renovations of each floor level and the requirement can be split considering floor-wise renovation plans of the Asset.	NO	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Rain water discharge system upgrades.	REQ-9397	\$156,255.75	2019	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Repairs or upgrade of the rainwater discharge system components is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. Typically, rainwater discharge systems require inspection and maintenance every thirty (30) to forty (40) years to identify pipe deterioration and blockages due to sludge accumulation. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the system. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget and in conjunction with the sanitary waste systems investigations which is included in D2030000 - Sanitary Waste - General. The upgrade/repair of the system is recommended to be performed in conjunction with the renovations of each floor level and the requirement can be split considering floor-wise renovation plans of the Asset.	NO	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Water conditioning equipment replacement.	REQ-9419	\$193,459.50	2025	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the water conditioning equipment at the end of useful service life.	NO	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of steam boiler # 3,deerator and accessories.	REQ-9526	\$379,236.00	2018	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace boiler #3, deaerator and accessories at the end of useful service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of hot water boilers.	REQ-356639	\$439,913.76	2018	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the hot water boilers at the end of useful service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of hot water and condensate water pumps.	REQ-9527	\$103,152.19	2026	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the hot water and condensate water pumps at the end of useful service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of terminal unit pumps.	REQ-9534	\$45,508.32	2032	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the terminal unit pumps at the end of useful service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Remove the heat recovery system from the facility. Abandoned.	REQ-9654	\$15,169.44	2018	Renewal Projects	Replacement	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Remove the heat recovery system from the facility. The heat recovery system with associated piping and circulating pumps have been abandoned in place.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the chiller.	REQ-9580	\$498,960.00	2040	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the chiller at the end of useful service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of cooling tower and condensing units.	REQ-9583	\$232,848.00	2033	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replacement of the cooling tower and condensing units are required at the end of service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replace and provide back up of chilled and condenser water pumps.	REQ-9586	\$72,072.00	2018	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the chilled and condenser water pumps at the end of useful service life and provide two (2) back up pumps.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of terminal unit pumps.	REQ-9600	\$51,004.80	2037	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the terminal unit pumps at the end of useful service life.	No	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of air handling unit (AHU#1).	REQ-9614	\$223,495.30	2018	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the air handling unit (AHU#1) at the end of useful service life.	NO	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Rooftop units replacement.	REQ-9615	\$400,656.22	2033	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the rooftop units at the end of useful service life.	NO	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Repair/replace the air distribution system components.	REQ-9466	\$649,577.48	2029	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Repairs and/or replacement of the air distribution system components, such as ductwork, reheat coils, ceiling and wall diffusers, grilles, and other control mechanisms at the end of useful service life.	No	

Hospital Corporation	Site Name	ASSET Name	Requirement Name	Requirement ID	Requirement Cost	Action Year	Project Maintenance Code	Project Recommendation Type	Project Risk Code	Project Priority	Requirement Description	Category	Code Violation or Safety Issue
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Repair or upgrade of the hydronic piping.	REQN-9467	\$1,515,680.78	2018	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Repairs or upgrade of the heating and cooling distribution piping is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the heating and cooling distribution piping and accessories. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget. The investigations may include cut-sample lab inspection, ultrasonic survey or CCTV inspections. The upgrade/repair is recommended to be performed in conjunction with the renovations of each floor level and the requirement can be split considering floor-wise renovation plans of the Asset.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Exhaust fans replacement.	REQN-9469	\$433,051.65	2018	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replacement of the exhaust fans will be required at the end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Glycol distribution system components replacement.	REQN-356652	\$108,262.91	2026	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the glycol distribution system components including the glycol pump, heat exchangers and tanks at the end of service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Ventilation system investigations to determine current condition and renewal needs.	REQN-9633	\$43,305.17	2018	Renewal Projects	Study recommended	Medium	7 - Discretionary	Conduct additional investigation and upgrade on the ventilation system. There are areas within the facility where the ventilation is inadequate. A study should be performed to ensure that ventilation is adequate for the facility as a whole. This requirement is carried forward from the previous assessment as it does not seem to have been addressed.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Repair/Upgrade Perimeter heating units and unit heaters.	REQN-9457	\$694,470.00	2019	Renewal Projects	Repair	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Repair/Upgrade perimeter heating units and unit heaters.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Split Air conditioning unit replacement.	REQN-9464	\$9,375.34	2022	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the split air conditioning unit at the end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Upgrade the pneumatic control system.	REQN-9429	\$505,971.00	2019	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	The control system shall be converted to an electronic control system.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Sprinkler Upgrades as per directive from Ontario Fire Marshall via Ontario Regulation 150/13 before January 1, 2025.	REQN-9273	\$1,120,000.00	2019	Renewal Projects	Replacement	High	5 - Asset Integrity - Type C - Proactive Replacement	Fully sprinkler the building as per the directive from Ontario Fire Marshall via Ontario Regulation 150/13 before January 1, 2025. The budget is presented as a lump sum with action year as 2020 to allow sufficient time to complete the upgrades. A tentative budget should be allocated from the operating budget for the 'Study & design' of the sprinkler system. The requirement can be phased over several years based on the availability of areas and renovation plans.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	The server room shall be provided with a fire suppression system.	REQN-9324	\$45,626.68	2018	Renewal Projects	Replacement	High	5 - Asset Integrity - Type C - Proactive Replacement	The server room has no sprinkler system. Sprinkler the server room as per the directive from Ontario Fire Marshall via Ontario Regulation 150/13 before January 1, 2025. The budget is presented as a lump sum with action year as 2020 to allow sufficient time to complete the upgrades. A tentative budget should be allocated from the operating budget for the 'Study & design' of the sprinkler system. The requirement can be phased over several years based on the availability of areas and renovation plans.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Standpipe system upgrades.	REQN-9281	\$7,245.00	2029	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Upgrade the standpipe system in conjunction with the sprinkler system upgrades. Periodic inspection, testing, and maintenance shall be continued as per the requirements of the Ontario Fire Code, NFPA 25, and all applicable by-laws. The requirement should be phased over several years based on the availability of areas and renovation plans.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Kitchen fire suppression system upgrade.	REQN-9311	\$37,500.00	2031	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Upgrade the wet chemical fire suppression system for the kitchen hood at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Electrical service and distribution system upgrade.	REQN-8896	\$1,361,657.25	2026	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Upgrade the electrical service and distribution system for the building installed circa 1976. The replacement budget is tentative and the replacement/upgrade should be performed based on a detailed electrical study. The scope, budget, and implementation time frame should be adjusted based on the study findings.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Electrical service and distribution system upgrade.	REQN-8898	\$816,994.35	2046	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Upgrade the electrical service and distribution system for the building installed circa 2003. The replacement budget is tentative and the replacement/upgrade should be performed based on a detailed electrical study. The scope, budget, and implementation time frame should be adjusted based on the study findings.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Perform an arc flash study and labeling.	REQN-8901	\$75,000.00	2017	Renewal Projects	Invasive testing recomm	Medium	1 - Health and Life Safety	A short-circuit and coordination study followed by an arc flash study should be conducted, in order to identify the specific arc flash hazard and the arc flash protection boundary (the closest approach allowed before PPE must be worn) at any applicable piece of electrical distribution equipment within the facility. The study should be conducted according to the guidelines provided in CSA Z462-15 (Workplace Electrical Safety), and following the study, Arc flash warning signs should be installed on all applicable equipment.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Upgrade the electrical service and distribution feeder cables.	REQN-8955	\$544,662.90	2017	Renewal Projects	Repair	Medium	1 - Health and Life Safety	Upgrade the electrical service and distribution feeder cables. The replacement budget is tentative and the replacement/upgrade should be performed based on a detailed electrical study. The scope, budget, and implementation time frame should be adjusted based on the study findings.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Upgrade the interior lighting at the end of useful service life.	REQN-8906	\$822,946.95	2022	Renewal Projects	Replacement	Low	6 - Energy Management	Upgrade the interior lighting at the end of useful service life with energy efficient or Light Emitting Diode (LED) technology lighting. An audit of the lighting is recommended prior to the upgrade and the scope and budget should be updated accordingly. The recommended audit can determine the return on investment for upgrading to the newest technology and can either justify the project or rule it out.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the telephone wiring system.	REQN-8911	\$342,274.50	2037	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace telephone wiring system at the end of service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Public address system upgrade/replacement	REQN-8915	\$270,843.30	2030	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace/Upgrade the public address system at the end of service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the nurse call system.	REQN-8919	\$270,000.00	2041	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the nurse call system at the end of service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Fire alarm audit, design and upgrade.	REQN-8929	\$531,269.55	2025	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	It is recommended to conduct a detailed audit, design and upgrade for the fire alarm system, as per the requirements of the Ontario Fire Code, NBC, CAN/ULC S524 and all applicable codes and standards.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Card access system upgrade/replacement.	REQN-8938	\$256,410.00	2035	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace/upgrade the card access system at the end of service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Lightning protection system replacement.	REQN-8941	\$112,500.00	2017	Renewal Projects	Replacement	High	1 - Health and Life Safety	Replace the lightning protection system due to end of service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the emergency generator system.	REQN-8946	\$228,000.00	2024	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the emergency power generator and other related equipment at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Medical gas and air system upgrade.	REQN-9267	\$947,951.55	2032	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	A placeholder budget is included in this requirement for any repairs or upgrades of the medical air and gas systems. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of medical vacuum pumps.	REQN-9266	\$93,753.45	2042	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the medical vacuum pumps at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Loading dock equipment replacement.	REQN-9235	\$37,500.00	2018	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the loading dock equipment at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Walk-in-cooler replacement.	REQN-9245	\$112,500.00	2018	Renewal Projects	Replacement	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the walk-in-cooler at the end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Fittings - Wall Wood Rails - Aged Finish	REQ-73529	\$18,336.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The wood wall rail finishes are aged.		702
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Fittings - Signage - Aging - 1st Floor	REQ-322739	\$27,832.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The signage throughout the hospital on the 1st floor is aging, incomplete, and does not meet the requirements for barrier-free design.		695
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Fittings - Signage - Aging - 2nd Floor	REQ-322743	\$27,832.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The signage throughout the hospital on the 2nd floor is aging, incomplete, and does not meet the requirements for barrier-free design.		695
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Floor Finishes - CFT Aged And Worn- 1st Floor	REQ-322740	\$18,623.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The ceramic floor tile located throughout the 1st floor is aged, worn, cracked and beyond its useful life expectancy. Removal and replacement is warranted to maintain the visual appeal.		695
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Floor Finishes -Aged Carpet - 1st Floor	REQ-73521	\$41,593.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Carpet in some areas on the 1st floor of the building appears to be to original, is aged, and in high traffic locations, deteriorated.		702
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Ceiling Finishes - Aged ACT	REQ-73527	\$624,520.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Portions of the 2x4 acoustical ceilings and grids on the ground floor are aged and deteriorated.		695
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Oil Supply System - Fuel Day Tank - Aged	REQ-314845	\$10,886.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The day fuel tank in the generator room is aged and should be considered for replacement within the next three to five years for reliability.		695

Hospital Corporation	Site Name	ASSET Name	Requirement Name	Requirement ID	Requirement Cost	Action Year	Project Maintenance Code	Project Recommendation Type	Project Risk Code	Project Priority	Requirement Description	Category	Code Violation or Safety Issue
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Heat Generating Systems - Boilers Steam - Gas/Oil Fired - ca. 1979 - Boiler 1	REQ-486778	\$391,846.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The three Circ-U-Latic gas/oil fired, water tube steam boilers though well maintained are aged and beyond their useful life. They should be replaced. Replaced with new gas fired boiler	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Cooling Generating Systems - Chillers - Aged - ca. 1979	REQ-74123	\$174,002.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The Trane chillers have reached the end of its useful life according to BOMA standards. The chillers utilized R11 refrigerant (FCF) which was modified to R-123. Though performing at this time only chillers should be replaced as the cooling tower was replaced in 2006.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Main Electrical Service - No Redundancy	REQ-314813	\$597,292.00			Study recommended		7 - Discretionary	Currently, the hospital is supplied with one utility service. Standard practice for health care includes providing two services from two separate utility substations.	699	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Main Service Switchboard - Electrical Room - 2000A 600Y/347V - Aged	REQ-314830	\$263,124.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The main service switch board has exceeded BOMA life time of 30 years, replacement is recommended.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Emergency Light and Power Systems - Egress Lighting Aged	REQ-74854	\$13,750.00	2013		Replacement		1 - Health and Life Safety	The battery pack units for egress lighting are beyond their BOMA life expectancy of 10 years and they should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Emergency Light and Power Systems - Egress Lighting Aged	REQ-74856	\$4,410.00	2013		Replacement		1 - Health and Life Safety	The battery pack units for egress lighting are beyond their BOMA life expectancy of 10 years and they should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Emergency Light and Power Systems - Emergency Generator - Aged	REQ-74835	\$117,884.00	2013		Replacement		1 - Health and Life Safety	The existing emergency generator is aged and has reached the end of its BOMA Useful Life Cycle of 20 years. The emergency generator and emergency distribution system is necessary to provide life safety and standby power to the building for power to egress lighting, exit signs, fire alarm system, elevators, etc. in the event of a utility power outage.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Emergency Light and Power Systems - Exit Signs - Aged - Penthouse	REQ-74852	\$2,763.00	2013		Replacement		1 - Health and Life Safety	The existing exit signs in the non-renovated areas are approaching the end of their BOMA life expectancy of 10 years. Although some have been upgraded with LED kits, replacement is recommended.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Electrical Room - Penetrations Lack Fire Stopping	REQ-314808	\$25,327.00	2013		Repair		1 - Health and Life Safety	A non compliant floor/wall penetration was noticed in all the electrical room walls. Per NEC Code, "Electrical installations shall be so made that the probability of spread of fire through fire-stopped partitions, floors, hollow spaces, fire walls or fire partitions, vertical shafts, or ventilating or air-conditioning ducts is reduced to a minimum" and "Where a fire separation is pierced by a raceway or cable, any openings around the raceway or cable shall be properly closed or sealed".	696	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Emergency Light and Power Systems - Battery Pack Lights Non-Existent	REQ-314812	\$11,213.00	2013		Repair		1 - Health and Life Safety	Presently emergency lighting is provided as per NBC Section 9.11.3 in designated means of egress through emergency generator. Battery packs need to be provided in all electrical and mechanical rooms to compensate for the time delay associated with generator start-up.	697	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Terminal & Package - Electrical Room (Rm.150) - Excessively Warm	REQ-314817	\$24,648.00			Study recommended		7 - Discretionary	The electrical room does not have adequate cooling to ensure the excessive heat build up doesn't diminish equipment performance.	Capacity/Design	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Other Plumbing Systems - Medical Air Compressor - Non Compliant Intake Installation	REQ-314820	\$9,293.00	2013		Replacement		1 - Health and Life Safety	The air for medical compressed is typically drawn from air intake louver. The installation was a makeshift and non compliant. Per NFPA 99 chapter 5, 5.1.3.5.13.2 The compressor air intake shall be located outdoors above roof level, at a minimum distance of 3050 mm (10 ft) from any door, window, exhaust, other intake, or opening in the building and a minimum distance of 6100 mm (20 ft) above the ground. Comments: "40"	696	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Terminal & Package - Mammography Room - Excessively Warm	REQ-314821	\$24,648.00			Study recommended		7 - Discretionary	The mammography room does not have adequate cooling to ensure the excessive heat build up doesn't diminish equipment performance.	Capacity/Design	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Domestic Water Distribution - Backflow Protection Lacking	REQ-314847	\$27,334.00	2013		Repair		1 - Health and Life Safety	No backflow equipment was found on the main during the inspection. Comments: "As per BOMA the life expectancy for backflow preventers is five years."	700	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Day Surgery Roof replacement	REQN-5473	\$125,000.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	replacement of roof over our Day surgery at HDMM	NO	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Ceiling Tile Asbestos Abatement	REQN-5477	\$70,000.00	2017	Renewal Projects	Replacement	High	1 - Health and Life Safety	abatement and replacement of various asbestos ceiling tile throughout the building	NO	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Exterior Soffits - Linear Wood Soffits - Deteriorated	REQ-73526	\$24,175.00	2016		Repair		5 - Asset Integrity - Type C - Proactive Replacement	The linear wood soffits are aged and the wood finish is weathered.	702	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Exterior Windows - Windows Aged And Worn	REQ-322738	\$583,486.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The metal framed windows located throughout the building are aged. Although some of the inoperable windows did have the seals replaced in order to diminish active leaks into the building, the windows are aged, worn and beyond their useful life expectancy. Replacement is warranted to maintain the integrity of the building envelope and improve energy efficiency.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Exterior Doors - Steel - Deteriorated	REQ-73531	\$36,525.00	2016		Repair		5 - Asset Integrity - Type C - Proactive Replacement	The exterior overhead wood doors are aged and weathered. Some are damaged or deteriorated.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Exterior Doors - Wood Sectional - Aged	REQ-73528	\$14,987.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The exterior overhead wood doors are aged and deteriorated.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Interior Doors - Worn Finishes	REQ-73530	\$51,742.00	2016		Repair		5 - Asset Integrity - Type C - Proactive Replacement	The finishes on the original doors, particularly in high traffic locations like stairways and corridors, are aged and worn.	702	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Floor Finishes - CFT Aged And Worn- 2nd Floor	REQ-322741	\$18,623.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The ceramic floor tile located throughout the 2nd floor is aged, worn, cracked and beyond its useful life expectancy. Removal and replacement is warranted to maintain the visual appeal.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Floor Finishes - Concrete Finish Aged	REQ-73519	\$52,472.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The finish on painted and sealed stairs in the penthouses, garage, maintenance, and service areas is aged and worn.	702	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Floor Finishes - Vinyl Floor Aged And Worn - 2nd Floor	REQ-322737	\$353,884.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The vinyl sheet flooring located throughout the 2nd floor is aged, worn and beyond its useful life expectancy. Removal and replacement is warranted to maintain the visual appeal.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Floor Finishes - Vinyl Floor Aged And Worn - 1st Floor	REQ-322742	\$685,672.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The vinyl sheet flooring located throughout the 1st floor is aged, worn and beyond its useful life expectancy. Removal and replacement is warranted to maintain the visual appeal.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Floor Finishes - VCT Aged	REQ-73520	\$88,429.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The VCT flooring located in the original building is aged, worn, and deteriorated.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Elevators and Lifts - Aged	REQ-74839	\$593,492.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The existing passenger elevators are aged past their life expectancy of 35 years and should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Plumbing Fixtures - Restroom Fixtures - Aged - Floor 1	REQ-74061	\$688,863.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Washroom fixtures are original to the building (1979) and have reached their BOMA life expectancy of 30 years. Fixtures are generally aged and worn. Fixtures are also not water conserving type.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Plumbing Fixtures - Restroom Fixtures - Aged - Floor 2	REQ-74065	\$688,863.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Washroom fixtures are original to the building (1979) and have reached their BOMA life expectancy of 30 years. Fixtures are generally aged and worn. Fixtures are also not water conserving type.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Plumbing Fixtures - Restroom Fixtures Aged - Floor R	REQ-74067	\$44,517.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Washroom fixtures are original to the building (1979) and have reached their BOMA life expectancy of 30 years. Fixtures are generally aged and worn. Fixtures are also not water conserving type.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Domestic Water Distribution - Booster Pumps - Aged	REQ-314846	\$35,300.00	2013				1 - Health and Life Safety	The domestic water booster pumps are aging, approximately 30 years old and will require replacement in the next five years. The assembly is comprised of two pumps with controls and accessories with two pumps rated at 10 HP.	699	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Domestic Water Distribution - Aged - Floor 2	REQ-74580	\$239,609.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The majority of the existing domestic water distribution system was installed in 1979 and is approximately 30 years old. Although functional, the system has reached the BOMA Building Systems Useful life of 30 years and should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Domestic Water Distribution - Aged - Floor 1	REQ-74581	\$319,682.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The majority of the existing domestic water distribution system was installed in 1979 and is approximately 30 years old. Although functional, the system has reached the BOMA Building Systems Useful life of 30 years and should be replaced. Because site personnel indicated that the system is performing reliably with a minimum of problems, the system is a candidate for a phased replacement over the next five years.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Domestic Water Distribution - Aged - Floor R	REQ-74591	\$85,083.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The majority of the existing domestic water distribution system was installed in 1979 and is approximately 30 years old. Although functional, the system has reached the BOMA Building Systems Useful life of 30 years and should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Heat Generating Systems - Boilers Hot Water - Gas/Oil Fired - ca. 1979 - Aged	REQ-74082	\$394,048.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The two Cleaver Brooks gas/oil fired, hot water boilers though well maintained are aged and beyond their useful life. They should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Distribution Systems - Chilled & Condenser Water Circulation Pumps - Aged	REQ-314849	\$32,530.00	2016				5 - Asset Integrity - Type C - Proactive Replacement	The chilled water pump and condenser water pumps located in the boiler room are aged and beyond their recommended useful BOMA life. These pumps should be considered for replacement in 3-5 years. Comments: "As per BOMA the life expectancy for backflow preventers is five years."	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Cooling Generating Systems - Chilled Water Distribution System - Aged	REQ-314865	\$786,065.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The chilled water distribution system is aged and should be replaced in the next 2 years to provide system reliability.	695	

Hospital Corporation	Site Name	ASSET Name	Requirement Name	Requirement ID	Requirement Cost	Action Year	Project Maintenance Code	Project Recommendation Type	Project Risk Code	Project Priority	Requirement Description	Category	Code Violation or Safety Issue
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Distribution Systems - Restroom Exhaust Fans - ca. 1979 - Aged	REQ-73362	\$61,029.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The majority of the restroom exhaust fans and ductwork systems were installed in 1979 and are aged and have reached the BOMA standard of 30 years and should be replaced. Although maintained properly, the units have degraded in condition over the last 30 years, have worn casings, grilles and other mechanical components and will require replacement.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Distribution Systems - Exhaust Fans - General Building - Aged	REQ-73359	\$307,086.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The building rooftop exhaust fans, dating to 1979 approximately are aged and beyond useful life. They should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Distribution Systems - Perimeter Heating - Aged - ca. 1979 - Floor R	REQ-73360	\$185,526.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The fin tube convectors and distribution piping systems were installed in around 1979 and are aged. Although functional, the convectors and distribution piping are more than 30 years old, have reached the BOMA Building Systems Useful Life of 30 years and should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Distribution Systems - Perimeter Heating - Aged - ca. 1979 - Floor 1	REQ-73366	\$615,020.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Replace the existing perimeter heating system that has surpassed its average BOMA rated useful life of 30 years, and includes the piping and radiation units.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Distribution Systems - Perimeter Heating - Aged - ca. 1979 - Floor 2	REQ-73367	\$514,987.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Replace the existing perimeter heating system that has reached its average BOMA rated useful life of 30 years, and includes the piping and radiation units.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Fire Protection - Wet Standpipe System - Aging - Floor R	REQ-73370	\$32,185.00	2013		Replacement		1 - Health and Life Safety	The wet standpipe system installed in 1979 is aging and approximately 30 years old. Although functional, the system reaching its end of useful life and the piping, valves and other related system components will require replacement. The BOMA Building Systems Useful Life for sprinkler system is 35 years.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Fire Protection - Wet Standpipe System - Aging - Floor 1	REQ-73373	\$97,477.00	2013		Replacement		1 - Health and Life Safety	The wet standpipe system installed in 1979 is aging and approximately 30 years old. Although functional, the system reaching its useful life and the piping, valves and other related system components will require replacement. The BOMA Building Systems Useful Life for sprinkler system is 35 years.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Fire Protection - Wet Standpipe System - Aging - Floor 2	REQ-73374	\$82,186.00	2013		Replacement		1 - Health and Life Safety	The wet standpipe system installed in 1979 is aging and approximately 30 years old. Although functional, the system reaching its useful life and the piping, valves and other related system components will require replacement. The BOMA Building Systems Useful Life for sprinkler system is 35 years.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Main Electrical Service - Aged	REQ-314814	\$332,104.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The main service have exceeded recommended BOMA life of 30 years, replacement is recommended.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Distribution Equipment, Panelboards, and Feeders - 208/120V - Aged	REQ-314827	\$460,376.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	All panel boards, distribution boards along with feeders had exceeded their BOMA life time of 30 years, replacement is recommended.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Electrical Distribution - Distribution Equipment - Transformers - Aged - ca 1976	REQ-74802	\$208,107.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Several transformers and switchgear assemblies consisting of various KVA ratings located throughout the facility have met or exceeded their 30 year useful life as per BOMA standards	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Low Tension Service and Dist. - MCC's - ca 1976 - Aged	REQ-74833	\$300,243.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The motor control centres in the boiler room, basement mechanical rooms, and main electrical room is aged beyond its BOMA life expectancy of 30 years and should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Branch Wiring Equipment & Devices - End of Life	REQ-74834	\$549,363.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Branch circuit devices and wiring are original to the building and are beyond their useful life of 30 years per 2003 BOMA. A complete replacement is recommended.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Lighting Equipment - Lighting Fixtures - Aged	REQ-74859	\$202,194.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Lighting fixtures of the facility have been partially upgraded. The remaining fixtures are beyond their expected life and require replacement.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Television System - Aged	REQ-314828	\$113,118.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Television wiring had exceeded BOMA life time, replacement is recommended.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Fire Alarm System - ca 1976 - System Aged	REQ-74853	\$211,477.00	2013		Replacement		1 - Health and Life Safety	The existing fire alarm system upgrade needs to be completed as remaining devices have exceeded the BOMA building system life cycle of 10 years and should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Emergency Light and Power Systems - Exit Signs - Aged - 1st Floor	REQ-74851	\$64,049.00	2013		Replacement		1 - Health and Life Safety	The existing exit signs in the non-renovated areas are approaching the end of their BOMA life expectancy of 10 years. Although some have been upgraded with LED kits, replacement is recommended.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Emergency Light and Power Systems - Exit Signs - Aged - 2nd Floor	REQ-74837	\$34,137.00	2013		Replacement		1 - Health and Life Safety	The existing exit signs in the non-renovated areas are approaching the end of their BOMA life expectancy of 10 years. Although some have been upgraded with LED kits, replacement is recommended.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Equipment and Furnishings - Casework Aged - 1st Floor	REQ-73569	\$75,764.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The 1979 wood and plastic laminate casework on the ground floor of the hospital is aged and worn.	702	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Equipment and Furnishings - Casework Aged - 2nd Floor	REQ-73532	\$169,849.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Wood and plastic laminate casework on the patient floor of the building is aged and worn.	702	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Equipment - Loading Dock Equipment - Aged	REQ-73538	\$46,445.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The loading dock equipment is aged and worn.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Low Tension Service and Dist - Additional Distribution Panelboard Required - 1st Floor	REQ-314816	\$20,149.00			Repair		7 - Discretionary	There are not enough distribution panelboards and branch circuits to cater for the new load to be connected. It is recommended to install an additional panelboard in conjunction with the installation of new branch circuits.	Capacity/Design	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Fire Protection - Server Room - Lacks Suppression System	REQ-314824	\$21,562.00			Study recommended		7 - Discretionary	The server room has no sprinkler system in place. Since an FM 200 system is less harmful to sensitive equipment, this option may be considered to provide the same degree of protection with less risk than a conventional sprinkler. Comments: "Note: Elevated temperatures will also reduce the life of the electrical equipment."	697	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Heat Recovery System - Abandoned	REQ-314825	\$14,248.00			Repair		7 - Discretionary	The heat recovery system with associated piping and circulating pumps has been abandoned in place. It was reported that the system has been decommissioned for almost 20 years and was never used. Comments: "Note: Elevated temperatures will also reduce the life of the electrical equipment."	705	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Distribution Systems - Chilled and Condenser Water Pumps - Lack Redundancy	REQ-314848	\$31,404.00	2016		Repair		5 - Asset Integrity - Type C - Proactive Replacement	The chilled and condenser water pumps located in the chiller room lack back-up pumps. These pumps should be provided with back-ups since chilled water is crucial for the hospital. Comments: "As per BOMA the life expectancy for backflow preventers is five years."	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	INTERIOR CONSTRUCTION - C10 / PATIENT BATHROOMS	REQN-1942	\$2,700,000.00	2016	Deferred Maintenance	Replacement	Low	2 - Code Compliance and Legislative Requirements	N/A	mm	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	OTHER SITE CONSTRUCTION - G90 / Additional water supply	REQN-1943	\$1,200,000.00	2016	Renewal Projects	Repair	High	1 - Health and Life Safety	N/A	mm	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	FIRE PROTECTION - D40 / Sprinkler system	REQN-1945	\$2,500,000.00	2016	Renewal Projects	Repair	High	1 - Health and Life Safety	N/A	mm	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	INTERIOR FINISHES - C30 / Asbestos flooring	REQN-2088	\$425,000.00	2016	Deferred Maintenance	Replacement	High	1 - Health and Life Safety	N/A	mm	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	SITE IMPROVEMENTS - G20 / Main water lines	REQN-2090	\$60,000.00	2016	Renewal Projects	Repair	Low	5 - Asset Integrity - Type C - Proactive Replacement	N/A	mm	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	EXTERIOR ENCLOSURE - B20 / Exterior Doors	REQN-2094	\$28,000.00	2016	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	N/A	mm	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	ELECTRICAL - D50 / Electrical arch flash study	REQN-2099	\$20,000.00	2016	Renewal Projects	Study recommended	High	1 - Health and Life Safety	N/A	mm	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	EXTERIOR ENCLOSURE - B20 / Exterior walls	REQN-2100	\$20,000.00	2016	Deferred Maintenance	Replacement	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	N/A	mm	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	PLUMBING - D20 / Main water lines	REQN-2103	\$1,200,000.00	2016	Renewal Projects	Replacement	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	N/A	mm	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	ELECTRICAL - D50 / Electrical Panels	REQN-2114	\$1,000,000.00	2016	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	N/A	mm	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Heat Generating Systems - Boilers Steam - Gas/Oil Fired - ca. 1979 - Boiler 2	REQ-73380	\$391,846.00	2014		Replacement		3 - Asset Integrity - Type A - Imminent Breakdown	The three Circ-U-Latic gas/oil fired, water tube steam boilers though well maintained are aged and beyond their useful life. They should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Distribution Systems - Central AHU Unit - ca. 1979 - Aged	REQ-73364	\$1,232,611.00	2014	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	The air handling unit installed in the Mechanical Rooms are aged. They are about 30 years old and have reached the BOMA Building Systems Useful Life and should be replaced. Although maintained properly, the units have degraded in condition over the last 30 years, have internal rust and corrosion and will require replacement. Numerous areas of surface corrosion on the internal acoustic panels and deteriorated internal component support steel were among the deficiencies observed.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Lighting Exterior Equipment - HID Wall Packs - Aged	REQ-74838	\$71,772.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The exterior building lighting is aged beyond its life expectancy of 20 years and should be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Branch Wiring Devices - Non-GFCI Outlet - at sinks	REQ-314809	\$583.00	2013		Replacement		1 - Health and Life Safety	Electrical receptacles located at sinks in few locations not equipped with ground fault circuit interrupter (GFCI) protection as required by NEC-2008 Edition - Article 210.8.	696	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Lighting and Branch Wiring - Insufficient Receptacles - 1st Floor	REQ-314815	\$28,069.00			Repair		7 - Discretionary	The existing number of receptacles is insufficient in capacity due to the loads of the current hospital. Additional receptacles in recovery and trauma rooms are recommended.	Capacity/Design	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Call Systems - Nurse Call System - ca. 1976 - End of Life	REQ-74836	\$266,288.00	2016		Replacement		1 - Health and Life Safety	The existing Nurse Call System is aged beyond the recommended useful life cycle of 10 years. Replacement of the existing systems with a new system is recommended. Manufacturer no longer supports this system and replacement parts are no longer available. Life safety for patients to call nursing for assistance. System is also used to call for trauma teams when patients code (heart stops).	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Telephone System - Aged	REQ-314829	\$294,196.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Telephone system and wiring had exceeded recommended BOMA life time, replacement is recommended.	695	

Hospital Corporation	Site Name	ASSET Name	Requirement Name	Requirement ID	Requirement Cost	Action Year	Project Maintenance Code	Project Recommendation Type	Project Risk Code	Project Priority	Requirement Description	Category	Code Violation or Safety Issue
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Communications and Security ? Fire Alarm System Lacks Visual Alarm Devices	REQ-314810	\$53,080.00	2013		Repair		1 - Health and Life Safety	There is presently only audible (bell type) fire alarm devices installed. Current Ontario Building Code 3.2.4.20 requires visual (strobe) type fire alarm devices in addition to audible notification. It is recommended that combination audible/ visual devices be installed on each floor and connected to the main fire alarm system to aid the acknowledgement of a fire alarm for the hearing impaired.	709	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Devices - Access Inadequate	REQ-314811	\$48,885.00			Repair		7 - Discretionary	The facility is equipped with devices such as fire alarm pull stations which are located above the allowed height and do not conform to current codes. These devices do not conform to the 1995 Barrier Free requirements of the National Building Code to meet the front and side reach requirements in the Reach Guide and should be lowered to a conforming height or replaced with new that has adequate unobstructed access. For these reasons it is recommended to lower these devices to the required heights.	707	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Storage Tank Steel - Abandoned	REQ-314822	\$1,496.00	2013		Replacement		1 - Health and Life Safety	The storage tank located in the boiler room is rusting in place. Though it has been emptied and is not leaking it should be removed from the facility. Comments: "Note: Elevated temperatures will also reduce the life of the electrical equipment."	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Hospital - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	ELECTRICAL - D50 / Emergency bathroom lighting	REQN-1959	\$120,000.00	2016	Renewal Projects	Repair	High	1 - Health and Life Safety			mm
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Repair/restoration of the brick walls at various locations	REQN-11697	\$485,298.00	2018	Renewal Projects	Repair	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Brick walls repair and restoration, including cleaning, replacement of the deteriorated or damaged bricks, jointing and repointing of the mortar, and cleaning of the concrete fascias.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the exterior windows in the east north and south side of the building.	REQN-11687	\$92,263.20	2030	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the exterior windows on the east, north and south side of the building at the end of service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement the exterior windows on the west side of the building.	REQN-11688	\$32,416.80	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the exterior windows on the west side of the building.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement the exterior doors.	REQN-11691	\$26,250.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the exterior doors due to exceeding service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the all roof coverage.	REQN-11692	\$317,775.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the all roof coverage at the end of service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Lock and Key System	REQN-393229	\$6,355.50	2017	Deferred Maintenance	Replacement	High	1 - Health and Life Safety	Replace the lock and key system due to exceeding useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the fitting in the building.	REQN-11699	\$42,750.00	2017	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the fitting in the building at the end of service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement the vinyl flooring throughout the building.	REQN-11703	\$144,400.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the vinyl flooring throughout the building.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacing the carpet flooring throughout the building.	REQN-11700	\$144,400.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the carpet flooring throughout the building due to exceeding useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the plumbing fixtures.	REQN-9081	\$105,600.00	2022	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the water closets, lavatories, urinals, showers and sinks due to end of useful life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Domestic water distribution system upgrades.	REQN-9090	\$103,072.20	2018	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Repairs or upgrade of the domestic water distribution system is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the domestic water distribution system piping and accessories. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget. The investigations may include cut-sample lab inspection, ultrasonic survey or CCTV inspection. The upgrade/repair of the domestic water distribution system is recommended to be performed in conjunction with the renovations of each floor level and the requirement can be split considering floor-wise renovation plans of the Asset.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of Domestic water heater and accessories.	REQN-9093	\$15,460.83	2025	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the domestic water heater and accessories at the end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Sanitary waste piping upgrade.	REQN-9096	\$23,687.40	2023	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Repairs or upgrade of the sanitary waste distribution system components is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. Typically, sanitary systems require inspection and maintenance every thirty (30) to forty (40) years to identify pipe deterioration and blockages due to sludge accumulation. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the system. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget and in conjunction with the rainwater systems investigations which is noted in D2040000 - Rain Water Discharge - General. The requirement can be split considering floor-wise renovation plans of the Asset.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Rain water discharge system upgrades.	REQN-9099	\$20,662.50	2023	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Repairs or upgrade of the rainwater discharge system components is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. Typically, rainwater discharge systems require inspection and maintenance every thirty (30) to forty (40) years to identify pipe deterioration and blockages due to sludge accumulation. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the system. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget and in conjunction with the sanitary waste systems investigations which is included in D2030000 - Sanitary Waste - General. The upgrade/repair of the system is recommended to be performed in conjunction with the renovations of each floor level and the requirement can be split considering floor-wise renovation plans of the Asset.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Rooftop units (RT-1 to RT-4) replacement.	REQN-9144	\$189,783.00	2028	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the rooftop (RT-1 to RT-4) units at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Rooftop units (RT-5 to RT-8) replacement.	REQN-9145	\$189,783.00	2033	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the rooftop units (RT-5 to RT-8) at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Repair/replace the air distribution system components.	REQN-9161	\$89,133.75	2033	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Repair and/or replace the air distribution system components, such as ductwork, ceiling and wall diffusers at the end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Exhaust fans replacement.	REQN-9167	\$41,595.75	2038	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replacement of the exhaust fans will be required at the end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the electric baseboard heaters.	REQN-9172	\$22,230.00	2023	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the electric baseboard heaters required due to end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the split Air Conditioning unit.	REQN-9173	\$8,892.00	2023	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the split Air Conditioning (A/C) unit required due to end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Upgrade the control system.	REQN-9112	\$48,450.00	2025	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Upgrade the control system due to end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Electrical service and distribution system upgrade.	REQN-9012	\$188,100.00	2033	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Upgrade the electrical service and distribution system which was installed in the building circa 1983. The replacement budget is tentative and the replacement/upgrade should be performed based on a detailed electrical study. The scope, budget, and implementation time frame should be adjusted based on the study findings.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Perform an arc flash study and labeling.	REQN-9013	\$30,000.00	2017	Renewal Projects	Invasive testing recomm	Medium	1 - Health and Life Safety	A short-circuit and coordination study followed by an arc flash study should be conducted in order to identify the specific arc flash hazard and the arc flash protection boundary (the closest approach allowed before PPE must be worn) at any applicable piece of electrical distribution equipment within the facility. The study should be conducted according to the guidelines provided in CSA Z462-15 (Workplace Electrical Safety), and following the study, Arc flash warning signs should be installed on all applicable equipment.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Fire stopping study and repairs.	REQN-9045	\$30,000.00	2017	Renewal Projects	Repair	High	1 - Health and Life Safety	Fire-stopping is required to maintain the integrity of fire separations and reduce the life safety risk in a fire situation. Previous assessment reported on fire-stopping deficiencies appeared to have not addressed completely. Although a detailed fire-stopping audit was not part of the scope, the fire-stopping was inspected in random locations during the site walkthrough and appeared to be missing or inadequate in some of the electrical/mechanical rooms. A detailed fire-stopping audit is recommended to identify all fire stopping issues and repairs shall be performed to comply with the Section 2.2 of the Ontario Fire Code (OFC).		YES

Hospital Corporation	Site Name	ASSET Name	Requirement Name	Requirement ID	Requirement Cost	Action Year	Project Maintenance Code	Project Recommendation Type	Project Risk Code	Project Priority	Requirement Description	Category	Code Violation or Safety Issue
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Upgrade the interior lighting at the end of useful service life.	REQN-9015	\$101,317.50	2018	Renewal Projects	Replacement	Low	6 - Energy Management	Upgrade the interior lighting at the end of useful service life with energy efficient or Light Emitting Diode (LED) technology lighting. An audit of the lighting is recommended prior to the upgrade and the scope and budget should be updated accordingly. The recommended audit can determine the return on investment for upgrading to the newest technology and can either justify the project or rule it out.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the telephone wiring system.	REQN-9017	\$61,275.00	2033	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the telephone wiring system at the end of service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Fire alarm audit, design and upgrade.	REQN-9019	\$50,872.50	2028	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	It is recommended to conduct a detailed audit, design and upgrade for the fire alarm system, as per the requirements of the Ontario Fire Code, NBC, CAN/ULC S524 and all applicable codes and standards.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Emergency lighting repair	REQN-9032	\$150,000.00	2017	Deferred Maintenance	Repair	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Repair the emergency lighting circuit. The budget includes the abatement of the asbestos.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the emergency generator system.	REQN-9038	\$14,592.00	2032	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the emergency power generator and other related equipment at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Exterior Windows - Windows Aged And Worn - 1983	REQ-322695	\$31,532.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The metal framed windows located throughout the building are aged. Although the inoperable windows did have the seals replaced in order to diminish active leaks into the building, the windows are aged, worn and beyond their useful life expectancy. Replacement is warranted to maintain the integrity of the building envelope and improve energy efficiency. It was observed that the existing 3 x 7 storefront Aluminum and Glass Exterior Door is beyond its rated expected life. It is recommended that this door be replaced.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Exterior Doors - 3 x 7 Storefront - Beyond Rated Life	REQ-322703	\$23,609.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The VCT located throughout the 2000 construction area is aged, worn and beyond its useful life expectancy. Removal and replacement is warranted to maintain the visual appeal.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Floor Finishes - VCT Aged And Worn - 2000	REQ-322694	\$23,078.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The broadloom carpet (2007) located throughout is aged, worn and beyond its useful life expectancy. Removal and replacement is warranted to maintain the visual appeal.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Floor Finishes - Carpet Aged And Worn 2007	REQ-322701	\$37,054.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The broadloom carpet (2000) located throughout is aged, worn and beyond its useful life expectancy. Removal and replacement is warranted to maintain the visual appeal.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Floor Finishes - Carpet Aged And Worn 2000	REQ-322696	\$37,054.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	The older rooftop units, installed in 2003, are aged and deteriorating. Their average lifecycle has been surpassed and they should be replaced, for continuous reliability.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Terminal and Package Units - Rooftop Units - Aged	REQ-322376	\$100,351.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	All the lighting for the interior and exterior of the facility are beyond their expected life and require replacement. This includes the recessed 4 ft f-40 tubes and internally, and the external wall mounted HID fixtures. The existing fire alarm system is at the end of its BOMA rated useful life expectancy of 10 years, replacement should be planned.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Lighting Equipment - Lighting Fixtures - Aged	REQ-79109	\$27,272.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	A non compliant floor/wall penetration was noticed in the electrical room walls. Per NEC Code, "Electrical installations shall be so made that the probability of spread of fire through fire-stopped partitions, floors, hollow spaces, fire walls or fire partitions, vertical shafts, or ventilating or air-conditioning ducts is reduced to a minimum" and "Where a fire separation is pierced by a raceway or cable, any openings around the raceway or cable shall be properly closed or sealed".	696	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Fire Alarm System - Aged	REQ-79108	\$621.00	2013		Replacement		1 - Health and Life Safety	Copper water lines in the mechanical/electrical room pass over the electrical panel and IT equipment and represent a risk in terms of water leakage into the units.	697	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Electrical Room - Penetrations Lack Fire Stopping	REQ-314774	\$1,854.00	2013		Repair		1 - Health and Life Safety	N/A	mm	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Domestic Water Distribution - Piping Traverses Over Electrical Equipment	REQ-322377	\$7,620.00	2013		Repair		1 - Health and Life Safety	The wall mounted HID fixtures for the exterior of the facility are beyond their expected life and require replacement.	695	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	EQUIPMENT - E10 / lock and key system	REQN-2117	\$48,000.00	2016	Renewal Projects	Replacement	High	1 - Health and Life Safety	Generator is installed outdoor and is not protected with still bollards. Repair and restore the brick walls, including cleaning, replacement of the deteriorated or damaged bricks, jointing and repointing of the mortar, and cleaning of the concrete fascias.	703	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Lighting Exterior Equipment - Aged	REQ-80152	\$15,183.00	2016		Replacement		5 - Asset Integrity - Type C - Proactive Replacement	Generator is installed outdoor and is not protected with still bollards. Repair and restore the brick walls, including cleaning, replacement of the deteriorated or damaged bricks, jointing and repointing of the mortar, and cleaning of the concrete fascias.	703	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Howland Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Generator Protection Bollards - Steel Pipe - Missing	REQ-314775	\$8,763.00			Repair		7 - Discretionary	Repair and restore the brick walls, including cleaning, replacement of the deteriorated or damaged bricks, jointing and repointing of the mortar, and cleaning of the concrete fascias.	703	
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Repair/restoration of the brick walls at various locations.	REQN-11770	\$122,175.90	2018	Renewal Projects	Repair	Medium	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the fittings in the washrooms and kitchen.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the all exterior windows.	REQN-11772	\$59,223.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the vinyl tile in the building.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the all exterior doors in the building.	REQN-11774	\$18,750.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the ceramic tile in the washrooms.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the roof coverage.	REQN-11777	\$115,068.00	2017	Renewal Projects	Replacement	High	3 - Asset Integrity - Type A - Imminent Breakdown	Replace the water closets, lavatories, urinals, showers and sinks due to end of useful life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the fittings in the washrooms and kitchen.	REQN-11780	\$13,810.50	2017	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the water closet, lavatories, urinals, showers and sinks due to end of useful life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the carpet in the building.	REQN-11782	\$60,944.40	2021	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the water closet, lavatories, urinals, showers and sinks due to end of useful life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the vinyl tile in the building.	REQN-11783	\$3,385.80	2026	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the water closet, lavatories, urinals, showers and sinks due to end of useful life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the ceramic tile in the washrooms.	REQN-11784	\$3,385.80	2041	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replace the water closet, lavatories, urinals, showers and sinks due to end of useful life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the plumbing fixtures.	REQN-8913	\$38,400.00	2022	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the water closet, lavatories, urinals, showers and sinks due to end of useful life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Domestic water distribution system upgrades.	REQN-9021	\$28,110.60	2028	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Repairs or upgrade of the domestic water distribution system is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the domestic water distribution system piping and accessories. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget. The investigations may include cut-sample lab inspection, ultrasonic survey or CCTV inspection. The upgrade/repair of the domestic water distribution system is recommended to be performed in conjunction with the renovations of each floor level and the requirement can be split considering floor-wise renovation plans of the asset.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Domestic water heater replacement.	REQN-9023	\$8,031.60	2034	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the domestic water heater at the end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Sanitary waste piping upgrade.	REQN-9097	\$8,613.60	2023	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Repair or upgrade of the sanitary waste distribution system components is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. Typically, sanitary systems require inspection and maintenance every thirty (30) to forty (40) years to identify pipe deterioration and blockages due to sludge accumulation. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the system. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget and in conjunction with the rainwater systems investigations which is noted in D2040000 - Rain Water Discharge - General. The requirement can be split considering floor-wise renovation plans of the asset.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Rain water discharge system upgrades.	REQN-9025	\$6,459.75	2023	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Repair or upgrade of the rainwater discharge system components is generally required due to service life being reached or exceeded and excessive system maintenance is encountered. Typically, rainwater discharge systems require inspection and maintenance every thirty (30) to forty (40) years to identify pipe deterioration and blockages due to sludge accumulation. A placeholder budget and action year are included in this requirement for any repairs or upgrades of the system. The scope, budget, and implementation time frame in this requirement is tentative and should be updated based on additional investigations which should be performed from the operating budget and in conjunction with the sanitary waste systems investigations which is included in D2030000 - Sanitary Waste - General. The upgrade/repair of the system is recommended to be performed in conjunction with the renovations of each floor level and the requirement can be split considering floor-wise renovation plans of the asset.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of air handling unit and accessories.	REQN-9048	\$143,437.50	2025	Renewal Projects	Replacement	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replace the air handling unit and accessories at the end of useful service life.		NO
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Repair/replace the air distribution system components.	REQN-9057	\$27,866.02	2033	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Repair and/or replace the air distribution system components, such as ductwork, ceiling and wall diffusers at the end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Exhaust fans replacement.	REQN-9058	\$12,075.28	2030	Renewal Projects	Replacement	Low	5 - Asset Integrity - Type C - Proactive Replacement	Replacement of the exhaust fans will be required at the end of useful service life.		No
Muskoka Algonquin Healthcare	Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	CCAC Bldg - Muskoka Algonquin Healthcare - Huntsville District Memorial Hospital Site	Replacement of the electric baseboard heaters.	REQN-9066	\$8,687.25	2023	Renewal Projects	Repair	Medium	5 - Asset Integrity - Type C - Proactive Replacement	Replacement of the electric baseboard heaters will be required due to end of useful service life.		No

