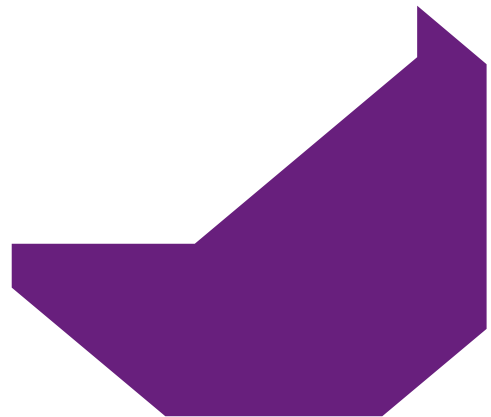


South Lanarkshire College Climate Change Risk Register

Owner: Sustainability Officer

Date: August 2026

Version: 1.0



Category	Area	Risk or Opportunity Description	Consequence	2025			Mitigants & Controls (Existing)	2025			Treatments (Proposed)
				Likelihood	Impact	Risk Rating		Likelihood	Impact	Risk Rating	
		<i>Hazard and impact (on the objective)</i>	<i>More detail on the consequences</i>								
Teaching and Learning	Indoor	Extreme hot weather during summer months affecting College indoor room temperature.	Reduction in work output by staff due to not being comfortable and decreased concentration by students	5	3	15	HVAC systems in offices and Classrooms. Natural Ventilation provided in workshops. The College has a Building Management System.	5	2	10	Future plans to improve ventilation and cooling in the workshops or the development of external workshops.
		Plant Stress due to impact of weather extremes on plant physiological processes. Impact on soil arising from increased acidity and wetness.	Disruption of learning and teaching activities such as Horticulture due to driers summer months and wetter winters	3	3	9	Use of greenhouse for plant seedling to reduce impact of weather elements. Improvement of soil condition through use of manure and setting of soil.	2	2	4	Improvement/sourcing of resilient plant species. Irrigation systems installed if deemed necessary
	Outdoor	Stress in carrying out some teaching activity such as civil and building due to weather extremes	Heat stress and other physiological conditions resulting from exposure to the sun/heat. This affects education delivery.	4	3	12	Scheduling and Task Management. Environmental Setup and Hydration. Equipment and Personal Protective Equipment (PPE)	4	2	8	Development of weather shelter and structural canopies to improve comfort and teaching and learning experience. Mechanical cooling aids
		College Closure due to extreme weather arising from high wind and rain, resulting from storm and disruption to public facilities that have impact on students attending classes.	Fewer staff and students attending College. Disruption of College operation.	3	4	12	The College is surrounded by adequate numbers of trees that serve as wind break. The College has sustainable drainage incorporated into its landscape. College equipped with online classes	2	3	6	PPE on drainage and building numbers of trees to withstand extreme weather events
Campus	Building Infrastructure	Fire resulting from extremely hot weather	Damage to building and disruption of College operation.	2	5	10	Perimeter access road serving as Fire break around the College building. Building equipped with critical fire emergency protective procedures	2	3	6	Continuous maintenance and compliance with safety procedures
		Road Access & Public Transport	Damage to public infrastructure due to weather extremes such as storms, ice/snow and heavy snowfall.	3	4	12	Early warning communication to staff and students of adverse weather. Use of online platforms for lecture delivery and staff communication.	3	3	9	Continuous maintenance of early warning and online teaching platform
Infrastructure	IT and Electrical Services	Interruption of power and IT Services resulting from severe storm	Interruption of power and electricity supply by storm and flood will affect the Colleges operation.	3	5	15	The College's main servers are located on higher floors of the College. The College is also supplied by an alternative power supply through its Solar Panels.	3	3	9	The College intends to increase its generation of renewable electricity and install battery storage for electricity. The College also operates a remote server
	Procurement	Delay and cancellation of deliveries arising from extreme weather due to Climate Change	Some of the supplies being delayed or cancelled are needed for the College operation.	3	3	9	Where there is risk of delayed supplies impacting on College operation, the College maintains a reserve of such materials/equipment. Where possible, the College can engage the service of local suppliers.	3	2	6	The College continuously monitors this processes to ensure delayed or cancelled delivery has a minimal impact on the College's operation.
	Finance	High budget expenses forecasting error arising due to changes in cost.	Increase in cost of running the College due to weather extremes causing damages can result in spending gap.	3	3	9	Reliance on APUC Procurement Frameworks to secure best value utilities contracts to reduce impact of increased costs. Increase insulation to building to improve energy efficiency with expected reduction in cost. Frequent budget monitoring to review utilities expenditure and consider potential actions to reduce impact of any increased cost.	3	2	6	Climate-informed financial planning using historical weather impacts and climate projections to inform budget assumptions. Investment in climate adaptation measures (e.g. suitable drainage) to reduce potential future impact of extreme weather. Liaison with insurance company to ensure policies offer appropriate coverage in the event of any weather damage on Campus.

FUTURE CLIMATE CHANGE RISK REGISTER

Risk Modifiers	2025			M's & C's Assume same mitigants and controls as identified for 2025	2050		
	Likelihood	Impact	Risk Rating		Likelihood	Impact	Risk Rating
How will future change modify the risk? Consider how key drivers of change may alter in the future - both climate and socioeconomic changes							
Early increase of hotter days in the end projected average global temperature to reach or exceed 2°C above pre-industrial levels by the 2050's. may lead to significant effect on Staff and Student comfort.	5	4	20		5	3	15
Increase in Temperature in 2050's will likely increase plant stress	4	4	16		4	3	12
Increase temperature projection in the 2050's is likely going to affect teaching activity that takes place outdoor.	4	4	16		4	3	12
Due to projected temperature rise, there is high likelihood for the effect of strong winds and rainfall arising from storms to be more devastating than what is being experienced now. This is due to high precipitation	4	4	16		4	3	12
Extreme temperature increase in the coming years will increase Localised fires due to the dry hot weather in summer months	3	5	15		3	3	9
There is projected higher rate of disruption of public facilities in the future due to Climate Change	5	4	20		3	3	9
With projected increase in weather extremes, there is high likelihood and severity for there to be disruptions that could affect the College's operations.	4	4	16		4	4	16
There is increased risk to supply disruptions arising from severe weather extremes from 2050 upward	5	4	20		5	2	10
There is an increased risk to financial sustainability and going concern as a result of high energy costs.	5	5	25		4	4	16

Likelihood	Rare	Unlikely	Moderate	Likely	Almost Certain	Insignificant	Minor	Moderate	Major	Catastrophic
						1	2	3	4	5
						2	4	6	8	10
						3	6	9	12	15
						4	8	12	16	20
						5	10	15	20	25