

Climate Change Risk and Opportunity Assessment Toolkit

Council Meeting (including date):

Scrutiny 17 Aug

Agenda Item:

TBC

N.B. FOR AUDIT PURPOSES, THIS ASSESSMENT NEEDS TO BE SAVED WITH YOUR BOARD REPORT, POP OR PH DECISION

Please assess your workstream, project or report/paper by giving a score for IMPACT RISKS and OPPORTUNITIES under likelihood and impact for each of the questions. A rating score will be given for each question/metric (see Risk Matrix tab for further guidance).

Any metrics resulting in a RAG rating of amber and/or red will require further assessment. Please summarise any key actions, that arise from the assessment, in the free text box below the table.

Impact Risks

Likelihood	Score from 1 (Very unlikely) to 5 (Very likely)
Impact	Score from 1 (Insignificant) to 5 (Critical)

Opportunities

Likelihood	Score from 1 (Very unlikely) to 5 (Very likely)
Impact	Score from 1 (Insignificant) to 5 (Exceptional)

Theme	Action	Likelihood					Impact					Total	Likelihood					Impact					Total
		1	2	3	4	5	1	2	3	4	5		1	2	3	4	5	1	2	3	4	5	
Behaviour Change	Will the workstream directly affect communities? (think about whether the change would be positive or negative for the environment).					5				4		20					5			3			15
	Does the workstream require direct involvement with any local businesses? (think about type of businesses and what they do ie. increase in cement manufacture = risk & green economy = opportunity)	1					1					1	1				1					1	
Built Environment	Does the workstream involve any change in land use? (ie. decrease of greenfield = risk & conversion of land from agriculture to forestry = opportunity)					5		2				10				5				4		20	
	Will the workstream involve changes to existing buildings/infrastructure? (think about whether the changes are bad for the environment or better. Ie. increase in gas heating = risk & installation of low-carbon heating = opportunity)					5				4		20				5				4		20	
	Does the workstream involve the development of new buildings/infrastructure? (think about how the building is built - is it sustainable? No renewables = risk & renewables or Passivhaus = opportunity)					5					5	25				5				4		20	
Energy	Could the workstream involve changes to the demand/supply of energy (increased = risk & decreased = opportunity)?					5				4		20				5		2				10	
	Does the workstream require organisational or community dependence on fossil fuels? (increased dependence = risk & decreased dependence = opportunity)				4						5	20			4				3			12	
	Does the workstream involve the generation of energy (fossil fuels = risk & renewable = opportunity)?	1					1					1	1				1					1	
Food	Does the workstream involve the consumption or procurement of food (increase = risk & decrease = opportunity)	1					1					1	1				1					1	
	Does the workstream involve the production of food (outside Somerset = risk & local food = opportunity)?	1					1					1	1				1					1	
Money	Does the workstream involve MDC investment in industry dependent on fossil fuels? (increase = risk & decrease = opportunity)	1					1					1	1				1					1	
	Does the workstream depend upon external procurement to deliver goods & services? (to decide whether it is a risk or opportunity think about how the goods & services are procured. Is the mechanism sustainable and what types of goods/services are procured?)				4					4		16			4				3			12	
Nature	Could the workstream impact upon the natural environment (negative impact = risk & positive impact = opportunity)?					5			3			15			3			2				6	
	Does the workstream involve agriculture? (think about changes in practice and whether it will be bad for the environment or better)	1					1					1	1				1					1	
	Does the workstream involve loss of habitat and/or loss of woodland? (Increased loss = risk & restoration = opportunity)					5			3			15			4			2				8	
	Does the workstream involve the movement of people from one place to another? (Increase in vehicles = risk & decrease in movement of modal shift = opportunity)				4				3			12			3			2				6	

Transport	Are people (staff or members of the public) required to travel as part of the workstream? (increase in car use = risk & decrease in car use = opportunity)				4				3			12				4				4		16
	Does the workstream have the potential to affect air quality? (increase in particulates = risk & decrease = opportunity)				3				3			9				5					5	
Water	Could the workstream potentially affect local water resources? (think pollution or increased use for risk & management or decreased use for opportunity)				4				3			12		2					2			4
	Is wastewater generated as part of the workstream? (increase = risk & decrease = opportunity)								5			3							2			6
	Does the workstream involve the consumption of water in large quantities? (Increased consumption = risk & decreased consumption = opportunity)				3				2			6		1					1			1
Waste	Could the workstream have the potential to change waste generation? (Increased generation = risk & decreased generation = opportunity)								5			4								4		12
	Does the workstream involve the recycling of goods/materials? (decrease in recycling = risk & increase = opportunity)				3						4				4					3		12
	Does the workstream involve the consumption of goods & services? (increased consumption = risk & decreased consumption = opportunity)								5			5			3					3		9
	Does the workstream involve the use of high frequency consumables (eg. Single use plastic)? (increased use = risk & decreased use = opportunity)								5			4			3					2		6

The Affordable & Social Housing Programme seeks to deliver subsidised housing on Council owned land for Mendip residents. These residents are already living in the District and the Programme presents an opportunity to reduce overcrowding, homelessness and fuel poverty in Mendip.

The site in this report is in Frome (where the housing need identified on Homefinder Somerset is greatest) and represent an opportunity to redevelop brownfield land in the town in sustainable locations thereby reducing reliance on public transport or private car to access work, education, healthcare or leisure facilities. The site at North Parade car park is within walking distance of the town centre and is proposed as a pilot scheme for low carbon, energy efficient homes both during construction and future maintenance. Residents will be encouraged to use the existing car club in Frome. All homes built to at least an Energy Performance Rating of 'A'.

Officer Summary of Assessment to be written in the box to the left

The Affordable & Social Housing Programme seeks to deliver subsidised housing on Council owned land for Mendip residents. These residents are already living in the District and the Programme presents an opportunity to reduce overcrowding, homelessness and fuel poverty in Mendip. However, the programme has the potential to adversely impact the local environment through increased traffic generation, consumption of energy, habitat loss, wastewater generation and increased production of waste. These risks are very likely to be major or critical if the Council does not seek to explore ways to minimise the resultant impacts. The risks have been assessed at face value whereby any additional housing poses a threat to the Council's Climate & Ecological Emergency, as the programme is yet to go through the planning process and, therefore, potential opportunities, such as low carbon heating, have not been formalised. As such, the Climate Change & Resilience Officer recommends that the Council explores opportunities to ensure the proposed programme is as environmentally sustainable as possible, for example through the development of low carbon housing, sustainable transport networks, on site renewable generation and positive biodiversity gain.

To be completed by the Climate Change & Resilience Officer ONLY

Using the Risk and Opportunity Assessment Matrix

When assessing a risk or opportunity for the first time you should assume there are no management actions in place. The second assessment is completed with those actions already in place and with any additional actions needed to reduce the risk further/realise the opportunity.

The assessor should assign values for the identified 'likelihood of occurrence (A)' and the 'impact (B)'. By multiplying 'A' and 'B' together you get the rating score, which gives an indication of how important the risk/opportunity is. The thick black line is the 'line of tolerance'. Those risks that are plotted above the line (score 10-25) are 'out of tolerance and should be referred to Group managers and Corporate Management Team for further consideration.

Green=Low risk,
Amber 9=Medium risk,
Amber 10-12 Medium risk (above line of tolerance),
Red=High risk

Red= High priority opportunity,
Amber 10-12= Medium priority opportunity,
Amber 10-12=Medium priority opportunity,
Green=Low priority opportunity

LIKELIHOOD (A)	Very Likely 5	5	10	15	20	25
	Likely 4	4	8	12	16	20
	Feasible 3	3	6	9	12	15
	Slight 2	2	4	6	8	10
	Very unlikely 1	1	2	3	4	5
		Insignificant 1	Minor 2	Significant 3	Major 4	Critical 5
IMPACT RISKS (B)						

LIKELIHOOD (A)	Very Likely 5	25	20	15	10	5
	Likely 4	20	16	12	8	4
	Feasible 3	15	12	9	6	3
	Slight 2	10	8	6	4	2
	Very unlikely 1	5	4	3	2	1
		Exceptional 5	Major 4	Significant 3	Minor 2	Insignificant 1
POSITIVE IMPACT - OPPORTUNITIES (B)						