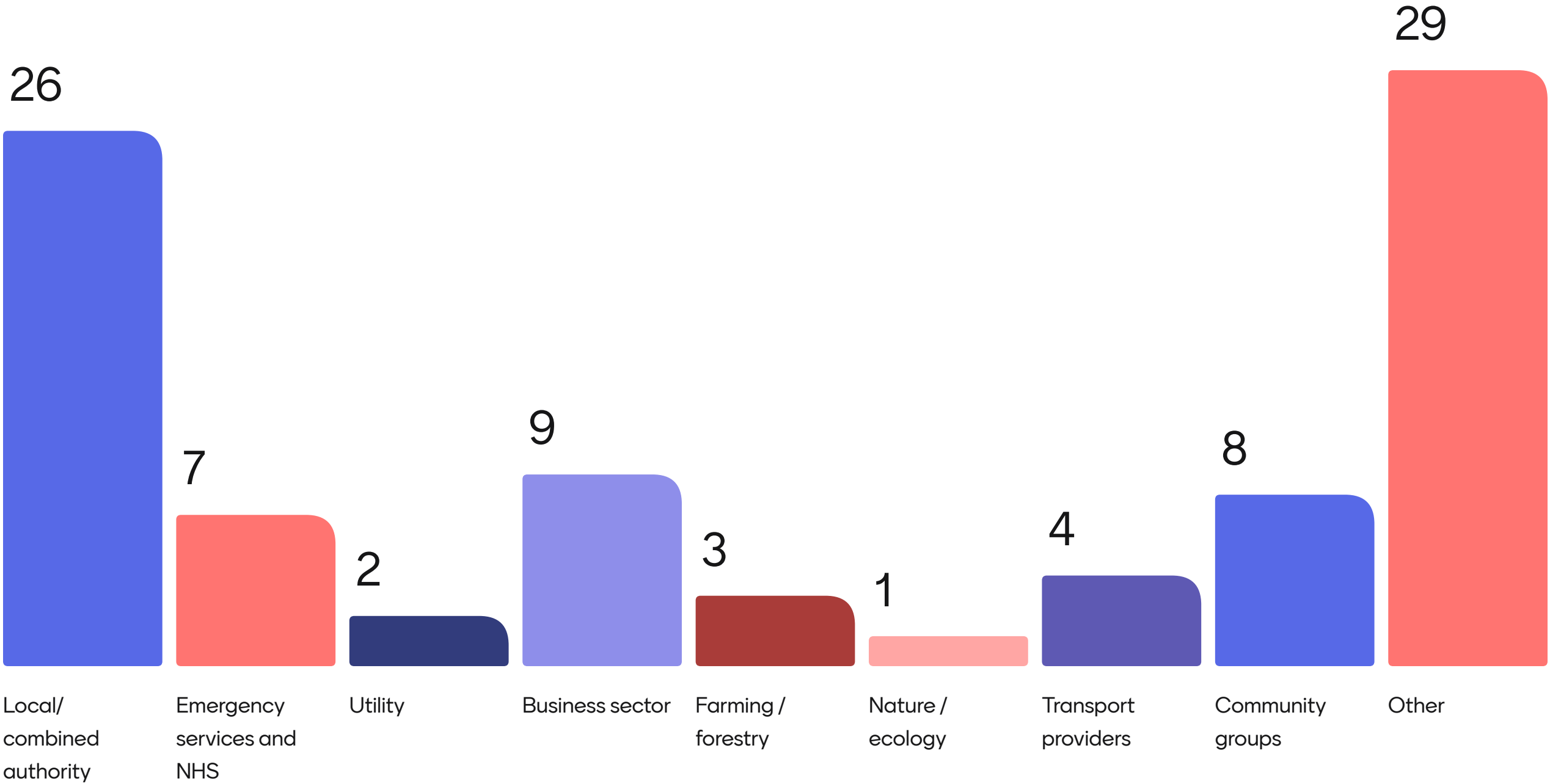


Which type of organisation do you represent?



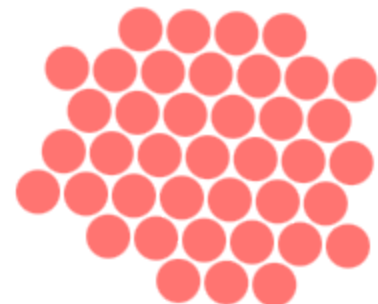
West Yorkshire Combined Authority

Climate Change Risk and Vulnerability Assessment

Which of these climate impacts have you (or your service) experienced in West Yorkshire in recent years?



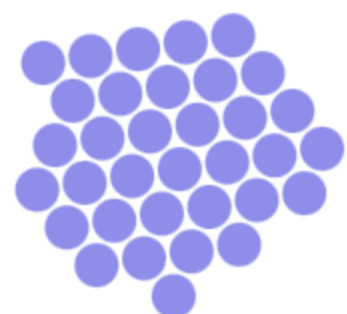
55 Extreme heat



40 Flooding



20 Wildfire



34 Drought



33 Storms



24 Milder winters



12 Other

Please provide a brief decscription of the experience(s)

Overheating in new builds

I remember the 40+ degreed heat in 2024 - blistering heat

I transport older people and they will not go out in extreme winds rain etc

Water and electricity supply for manufacturing continuity

Easier to get about

Churches opening doors as cool spaces and offering sanctuary from flooding (across the UK)

Extreme heat affecting rough sleepers

Travelling in extreme heat unbearable, ended up in rescheduling meetings or doing by teams

Please provide a brief description of the experience(s)

Unable to concentrate at work when too hot

Increased tree health issues associated with the changes in climate in West Yorkshire

Event management disrupted by excessive heat leading to project uncertainty

Extreme heat impacting daily life: poor sleep, unhappy animals, less exercise, poorer mental health!

Increased demands on services, higher operating costs, service disruption, H&S/wellbeing concerns for staff and patients.

Flooding impacting local infrastructure, extreme heat affecting business we have many who work in old mill type buildings

Ingrained perceptions of the landscape needing to remain static preventing adaptation measures.

Concerns around resident health, and managing assets around flood and storm risks

Please provide a brief decscription of the experience(s)

Underground burst pipes

Managing air conditioning provision in an office within grade 2 listed building
Storms impacting electrical and data provision

Wild fires on the moors around Bradford

Flash floods

Our daily production activities have been impacted by various types of extreme weather events. A real cost to the business.

Tackling wildfires in extreme heat

Storms causing damage and disruption to our factory. Extreme heat affects employees working in our plants.

Live in a rural area. HUGE mpact on agricultural

Please provide a brief decscription of the experience(s)

Need of water

impacts for disabled
people with no
temperature regulation

Wetter winters, higher winds,
frequent storms and high temps
mean that we have to activate
SWEP more often than we
usually do, to care for rough
sleepers in our district.

Extreme heat outting
pressure on AC - puts
additional pressure on other
grid services

Waitrose fridges
breaking!

Schools overheating

Need for watering
landscaped open space

Working with communities
who do not have access to
local green spaces

Please provide a brief description of the experience(s)

Dead birds

Flooding of social housing properties started to get our first complaints about extreme heat

Our business is impacted by strong winds.

Building in saltire flooded in Boxing Day floods. Significant overheating affecting service delivery and patients in NHS Trust

Wellbeing and mental health of communities relating to flooding, drought and water quality

Crop failures a more common problem.
Refrigeration failures.

Wildfires impacted on newly planted areas of woodland; drought impacting on tree establishment esp. larger species; milder winters impacting on planting season

road surfaces impacted by extreme heat. Roads and properties damaged by floods. Bridges impacted by flooding.

Please provide a brief decscription of the experience(s)

Extreme heat - in workplaces, old & health vulnerable. Flooding mainly homes and businesses. Drought & flooding - food prices.

Water supplies running out

Public transport disrupted

Trying to construct a flood alleviation scheme during multiple named storms!

Impacts on mental health, especially for younger people anxious about their futures.

Overheating of properties. Flooding of properties.

Have run workshops with care homes, domiciliary care providers, local government, the NHS, sector bodies, professional bodies and members of the public on getting heat safety action implemented.

Repreaemting farmers who face the full range of climate impacts. Most recently droughts and heat is massively reducing yields, so reduced income but also potential for food shortages

Please provide a brief decscription of the experience(s)

Hosepipe bans reduced people's ability to grow food

Overheated classrooms. Transport issues during commutes and trips due to heat and flooding.

Hosepipe bans, choosing to be in AC environments where possible

Impact on lower socio economic families more severe

Dead insects, dead mammals

Extreme heat impacting staff and visitors; storms causing water ingress; strong winds affecting structures

Overheating in buildings
Flooding of buildings
Vehicle damage (ambulances)
Wildfire, heatwave impacting staff and platelets
Food supply challenges
Water supply issues
Mental health impacts

Flooding - changing data.
Heat - air con units conflicting with high quality design requirements.

Please provide a brief decscription of the experience(s)

NHS - We have been seeing equipment failure from heat diagnostics, operating theatres, staff/patient wellbeing, wildfires etc

high heat disturbing sleep, garden suffering!

Reduction in long distance walking group hires over the summer period– due to it being too hot. Cancellations due to heat. Reduced availability of volunteers with underlying health issues due.

Drought - lack of water for navigation, impact on canal ecology, safety & risk to ageing infrastructure Flood - impact on ageing infrastructure and breaches

Fires associated with renewable technology e.g. PV / batteries

Personally, it made me fatigued and I had a heavier menstrual flow and anxiety. Women in our community group complained not wanting to leave their houses while others struggled with poor ventilation.

What datasets should be include in our analysis?

Any other local authority initiatives?

Sensing Leeds

Air quality data

Transport for the North's Climate Vulnerability Tool

How are you considering interdependencies in your analysis?

Lnrs map?

Tree Equity scoring from the Woodland Trust - tree canopy cover <> deprivation

Current energy intensity of areas, including gas and electricity usage

What datasets should be include in our analysis?

<https://homeless.org.uk/knowledge-hub/climate-change-and-homelessness/>

School closure due to heat

Potentially the list of Places of Welcome or Warm Spaces- could be seen as priority spaces for refuge from heat or flooding

Asset management & residential building data sets

Please ask LA schools teams for data about no schools closed/partially closed/ otherwise heat affected.

I'll email about two relevant projects and some recent roundtables.

Network Rail publish data on reasons for why trains are delayed or cancelled - some of this data can be correlated to climate (e.g. track defects, flooding, high winds)

Local business net zero data

What datasets should be include in our analysis?

Health incidents ie breathing issues, flood injuries etc

Not sure if possible, but any insurance data related to WY

Flood maps

Health and demographic data to overlay climate risks. Won't be able to do everything so may need to prioritise where and what we do

EA Flood Map for Planning (different to nafra2)

Please look at the west yorkshire pension fund risk assesment associated to financial risk management from climate change.it states that even with a 4degree warming they would still see a good return

disabled people's experiences - physical / mobility issues, meds or conditions mean people can't temperature regulate etc.. 25% of population are disabled people (36% have long term health issues

Housing energy performance- energy retrofit also provides the opportunity to address resilience

What datasets should be include in our analysis?

Water quality data

Flood maps / risks Housing
sites Local plan School
provision
Sociodemographic data

Games industry is a little
behind on this but I believe
UKIE are trying to do some
work on scope emissions

Hot weather SWEP
triggers for rough
sleepers (local
authorities)

Reservoir and water
level data

Energy demand
Socioeconomic factors
Health outcomes/mortality
Peak heat/average heat

Community lived experiences
should be treated as a key
dataset. This would provide
insights into climate impacts on
health, wellbeing and daily life.
Especially for women in
vulnerable communities.

road condition data.
flooding data. lists of
bridges / roads / paths
damaged or needing repair
due to flooding.

What datasets should be include in our analysis?

Soil moisture satellite data

Environmental agency flood map, met office, national highways, rail operators, one, census, nhs england

Local Flood Risk data from Strategic Flood Risk Assessments

Local Good Neighbours groups

Flood risk, solar gain

Section 19 reports for details of flood impacts

Landowners / Managers

Which communities or socio-economic groups in West Yorkshire do you feel are most impacted?



Which geographic areas within West Yorkshire do you feel are most impacted?

