

Colour code	Recommendation
Dark green	Strong positive impacts for the climate emergency. Recommendation to proceed as is with this aspect.
Light green	Some positive impact for the climate emergency. Recommendation to further enhance this aspect where possible and proceed.
Yellow	Some possible negative impacts for the climate emergency. Recommendation to review these aspects and find mitigations where possible.
Red	Considerable inconsistency with the council's net zero objective. Strong recommendation to review these aspects and find mitigations.
Grey	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.

#### Guidance for use

Please answer all questions from the drop-down options in the 'impact' column (C), including 'not applicable' as needed.

Please email your completed copy of the form to Jim.Cunningham@lbhf.gov.uk and Hinesh.Mehta@lbhf.gov.uk, along with your draft climate implications for verification (if completing a report).

Key to the colour coding of answers is given at the top of the page.

<b>Name of project/service:</b>	One Digital & Cloud for Revenues & Benefits
<b>Brief description (1-2 sentences):</b>	Hammersmith & Fulham currently utilise the Capita One Revenues & Benefits system which is a client server application which is on-premise. This project aims to migrate the Revenues & Benefits system into the Capita One Cloud with the addition of integrated digital & automated solutions.

### Homes, buildings, infrastructure and energy

Question	Impact (select from list)	Reasons / possible mitigations
1 What effect will this project have on overall energy use (electricity or other fuels) e.g. in buildings, appliances or machinery?	Large or long-term reduction	A move from hosted to the cloud will help the council in enabling employee's to continue to work from home and therefore could contribute to a long term reduction in the energy used by office buildings.  If the council has an ambition to reduce the size of their data centre or a green / eco strategy this will contribute to that goal.  Facilitating local authority staff to continue to work from home or in an increasing capacity may contribute to supporting any asset rationalisation or asset management strategy to reduce the overall size and number of council buildings. This could also support other interlinked council strategies.  Microsoft's data centres run on 60 percent renewable electricity and the company plans to boost this to 70 percent renewable energy by 2023.
2 What effect will this project have on the direct use of fossil fuels such as gas, petrol, diesel, oil?	Large or long-term reduction	Reduced commuting and therefore less fuel used / emissions. Contribute to improved air quality in the borough
3 Does this project further maximise the use of existing building space? <i>E.g. co-locating services; bringing under-used space into use; using buildings out-of-hours</i>	To some extent	May not maximise building use but a cloud strategy can enable LA's to reduce buildings (e.g. size of data centre) and therefore contribute to the environment in a positive manner locally
4 Will any new building constructed or refurbishment be <b>net zero carbon-ready</b> in use? <i>(high levels of insulation, low energy demand per sq. m., and no servicing with fossil fuels such as gas heating).</i>	N/A	
5 Does this use more sustainable <b>materials</b> in building or infrastructure? <i>E.g. re-used or recycled construction materials; timber in place of concrete</i>	N/A	
6 Does this use more sustainable <b>processes</b> in any building or infrastructural work? <i>E.g. modular and off-site construction; use of electrical plant instead of petrol/diesel</i>	N/A	
7 Will this increase the supply of renewable energy? <i>e.g. installing solar panels; switching to a renewable energy tariff</i>	N/A	
8 Do any appliances or electrical equipment to be used have high energy efficiency ratings?	Yes	A 2018 study found that using the Microsoft Azure cloud platform can be up to 93 percent more energy efficient and up to 98 percent more carbon efficient than on-premises solutions.

#### Ways to align with net zero:

- Insulate buildings to a high standard.
- Include energy efficiency measures when carrying out refurbishment.
- Replace gas boilers with renewable heating, such as heat pumps.
- Construct new buildings to a net zero standard (see the LETI design guide: <https://www.leti.london/cedg>)
- Design and deliver buildings and infrastructure with lower-carbon materials, such as recycled material and timber frames.
- Use construction methods that reduce overall energy use, such as modular, factory-built components, or use of electrical plant on-site.
- Install solar panels or other renewable energy generation, and consider including battery storage.
- Switch to a renewable energy provider.
- Use energy-efficient appliances.
- Install low-energy LED lighting.
- Install measures to help manage building energy demand, such as smart meters, timers on lighting, or building management systems.

### Travel

Question	Impact	Reasons / possible mitigations
9 Reducing travel: what effect will this project have on overall vehicle use?	Large or long-term reduction	A move from hosted to the cloud will help the council in enabling employee's to continue to work from home and therefore could contribute to a long term reduction in overall vehicle use for business travel.
10 Will this project use petrol or diesel vehicles?	N/A	
11 Will this support people to use active or low-carbon transport? <i>E.g. cycling, walking, switching to electric transport</i>	N/A	

#### Ways to align with net zero:

- Reduce the need to travel e.g. through remote meetings, or rationalising routes and rounds.
- Share vehicles or substitute different modes of travel, rather than procuring new fleet.
- Specify electric vehicles for new fleet or for services involving transport.
- Support users and staff to walk, cycle, or use public transport e.g. with cycle parking, training, incentives.
- Use zero-emission deliveries e.g. H&F's e-cargo bike service.

12	Will it be easily accessible for all by foot, bike, or public transport, including for disabled people?	N/A	
13	Has the project taken steps to reduce traffic? <i>Using e-cargo bikes; timing activities or deliveries to be outside peak congestion times</i>	N/A	

- model and mitigate the project's effect on traffic and congestion e.g. returning the service or deliveries

Consumption			
Question	Impact	Reasons / possible mitigations	
14	Has this project considered ways to reuse existing goods and materials to the greatest extent possible, before acquiring newly manufactured ones?	N/A	
15	Does it reduce reliance on buying newly manufactured goods? <i>E.g. repair and re-use; sharing and lending goods between services or people; leasing or product-as-a-service rather than ownership</i>	N/A	
16	Does it use products and resources that are re-used, recycled, or renewable?	N/A	
17	Does it enable others to make sustainable choices within their lifestyles, or engage people about this?	N/A	
18	Is there a plan to reduce waste?	N/A	
19	Has it taken steps to ensure any food it offers is more sustainable? <i>E.g. minimal meat and dairy; minimises food waste; seasonal produce; locally sourced.</i>	N/A	

**Ways to align with net zero:**

- Procure goods through sharing, leasing, or product-as-a-service models rather than ownership.
- Use pre-owned and reconditioned goods, and reduce reliance on procuring new goods.
- Use recycled materials, and procure items that can be reconditioned or recycled at end-of-life.
- Use lifecycle costing in business cases to capture the full cost of operation, repair and disposal of an item.
- Reduce meat and dairy in food provision.
- Design waste, including food waste, out of business models e.g. separating (and composting) food waste; replacing single-use items with reusable items.
- Use contact points with residents and businesses to engage and enable them to

Ecology			
Question	Impact	Reasons / possible mitigations	
20	What effect does this project have on total area of green space?	Not applicable	
21	Does the project create more habitat for nature? <i>E.g. native plants, trees, and flowers</i>	N/A	
22	Does it make changes to green space that can have a negative impact on nature? <i>E.g. use of pesticides, reduced extent and variety of plants, planting non-native</i>	N/A	
23	Does it help people understand the value of biodiversity, and encourage them to support it in their private and community spaces?	N/A	

**Ways to align with net zero:**

- Avoid converting green space to hard surfacing.
- Use underutilised space for planting, such as green roofs and walls.
- Plant native plants and perennials, rather than non-native ornamental species, to encourage biodiversity.
- Reduce trimming of grass and hedges, and avoid use of pesticides.

Adaptation			
Question	Impact	Reasons / possible mitigations	
24	Does any planned construction or building use include measures to conserve water?	N/A	
25	Does any planned infrastructure or building use consider how to sustainably protect people from extreme heat?	N/A	
26	Has any planned building work or infrastructure considered how to mitigate flood risk? <i>E.g. Sustainable Drainage Systems (SuDS); de-paving areas; green roofs</i>	N/A	
27	Does any planned infrastructure or building work increase the overall footprint of hard surfacing? (as opposed to green or permeable surfacing)	N/A	
28	Has the project considered its own resilience to future extreme heat, flood risk, or water shortage?	N/A	

**Ways to align with net zero:**

- Install water-saving devices in taps, showers and toilets
- Re-use grey water in new developments
- Ensure all new building or refurbishment (especially of homes) models and mitigates future overheating risk, with adequate ventilation and shading
- Avoid increasing areas of hard surfacing.
- Convert hard surfacing to green and permeable surfacing where possible, and install Sustainable Drainage systems (SuDS).
- Plant drought-tolerant plants

Engagement and influence			
Question	Impact	Reasons / possible mitigations	
29	Does this project raise awareness and understanding of the climate and ecological emergency, and the steps that people can take?	N/A	

**Ways to align with net zero:**

- 'Make every contact count', by using contact points with residents and businesses to promote understanding of the climate emergency.