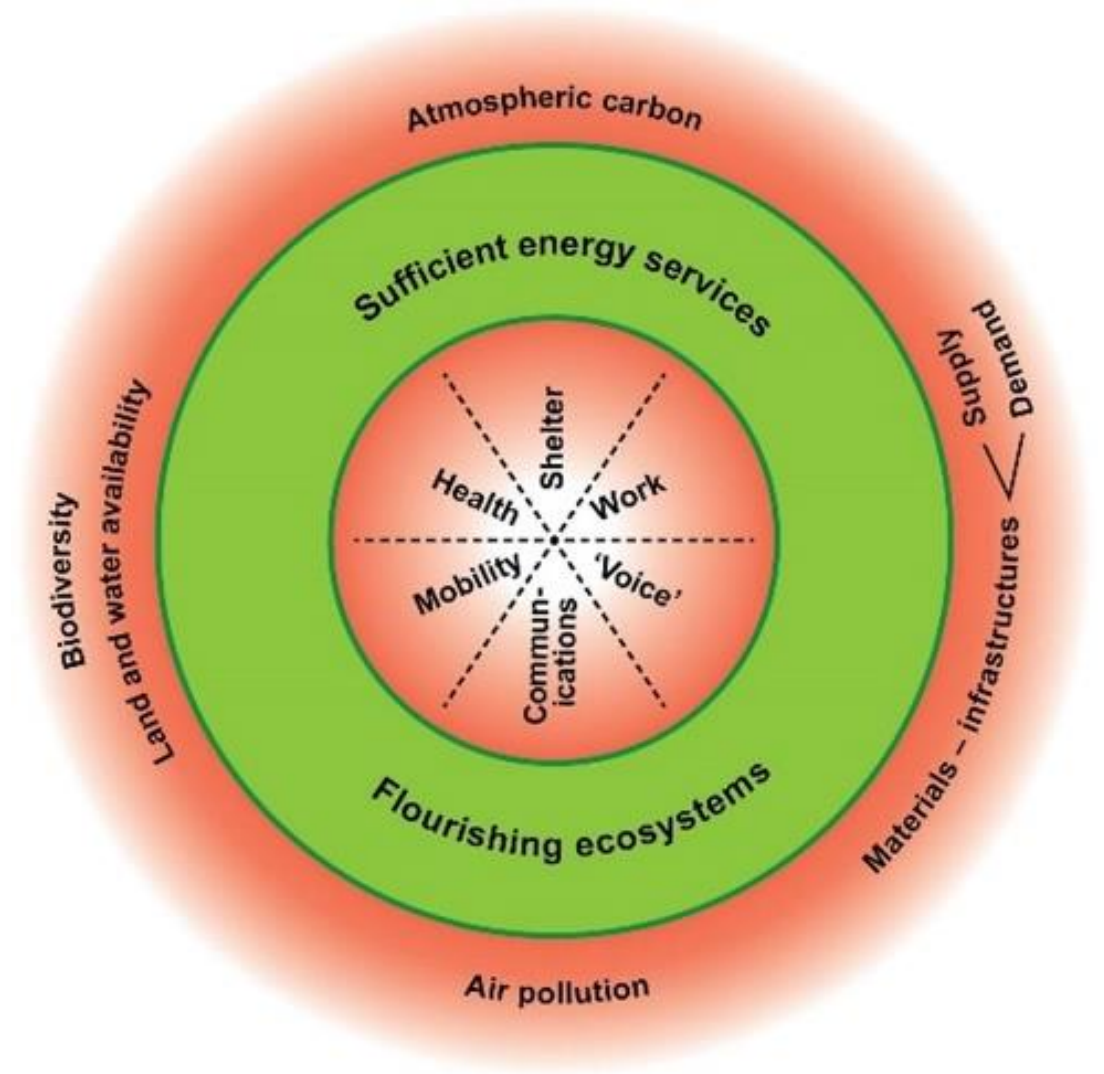


# Energy Sufficiency: defining a just transition to low carbon living

**Dr Joanne Wade OBE FEI**

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The Association for Decentralised Energy  
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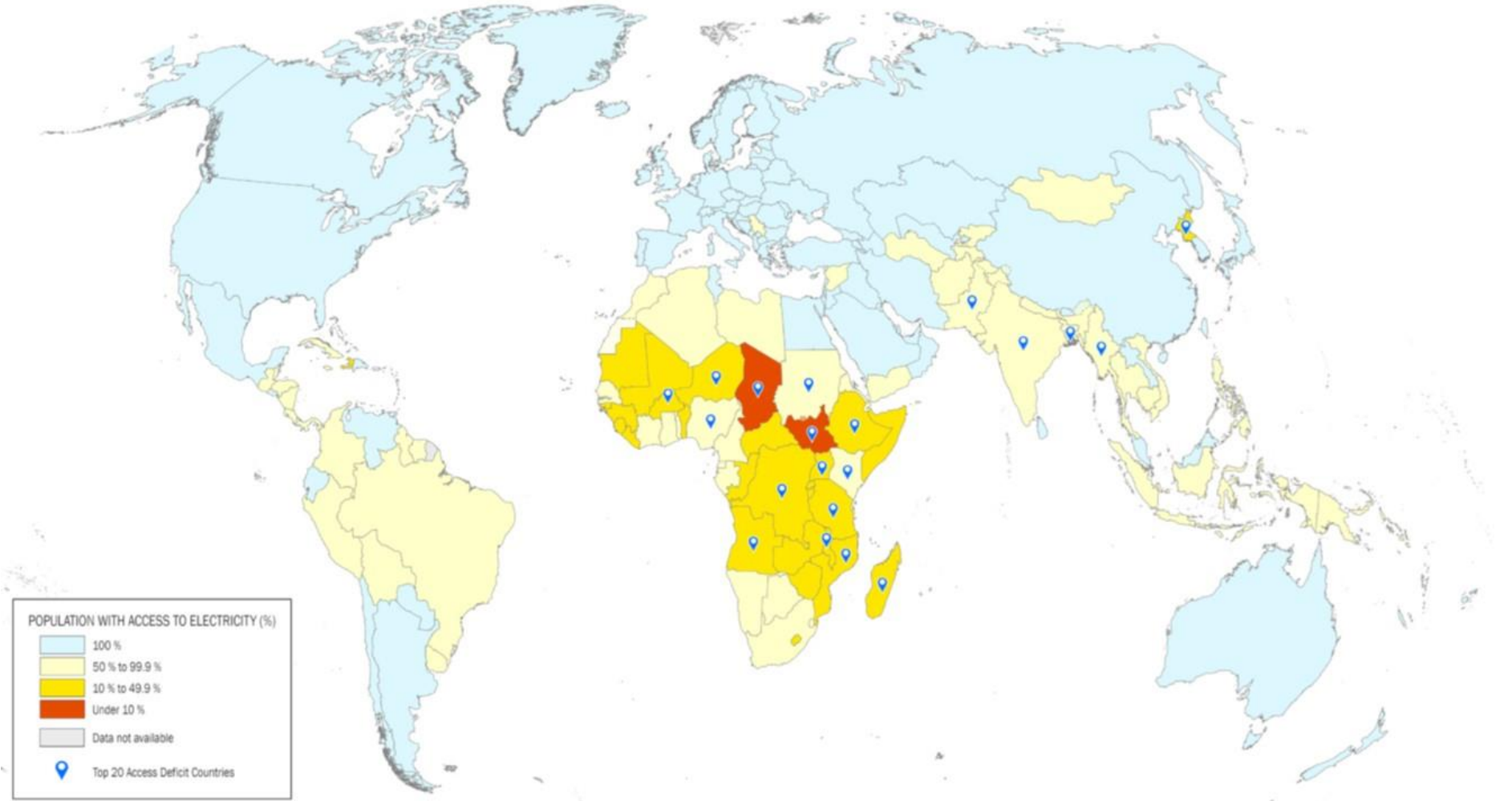


# UN CLIMATE CHANGE CONFERENCE UK 2021



## Share of population with access to electricity in 2019

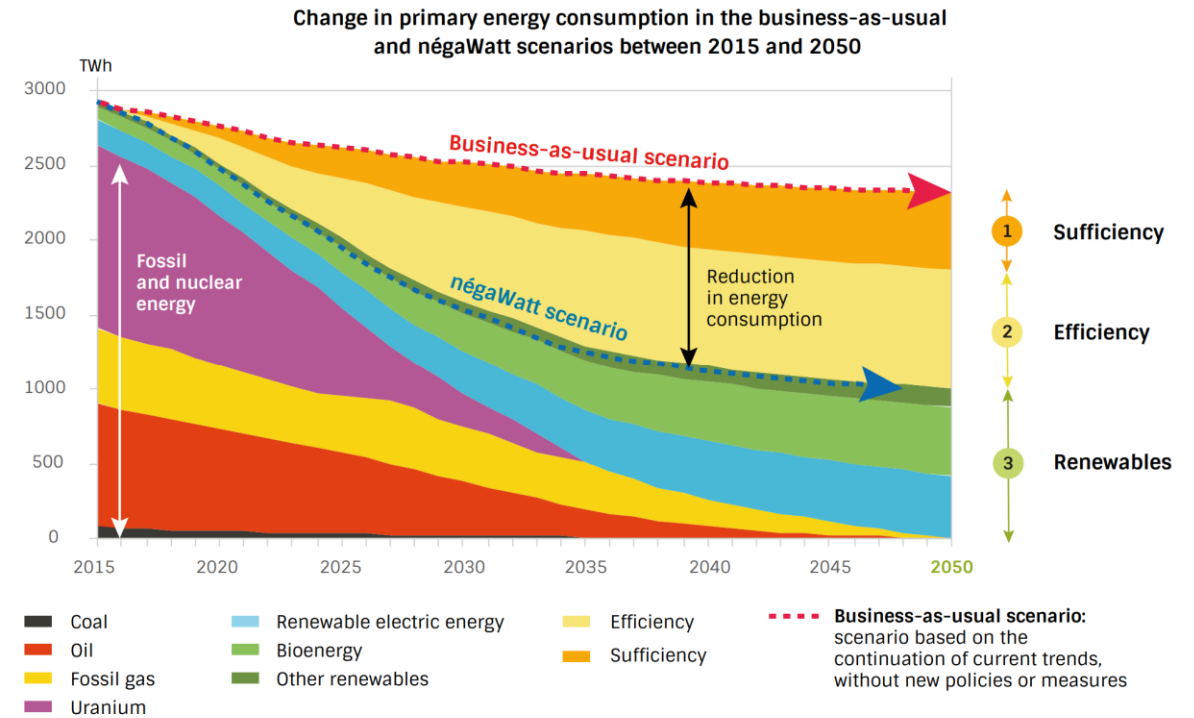
Source: World Bank (2021). Tracking SDG7, The Energy Progress report 2021



## CCC Scenarios to reduce UK emissions to net zero, 2019



- Low carbon technologies or fuels
- Combination of technology and societal / behavioural change
- Largely societal / behavioural change





# Just Transition Commission

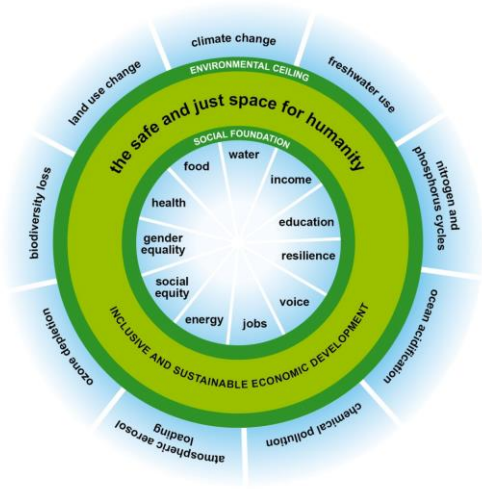
A national mission for a fairer,  
greener Scotland



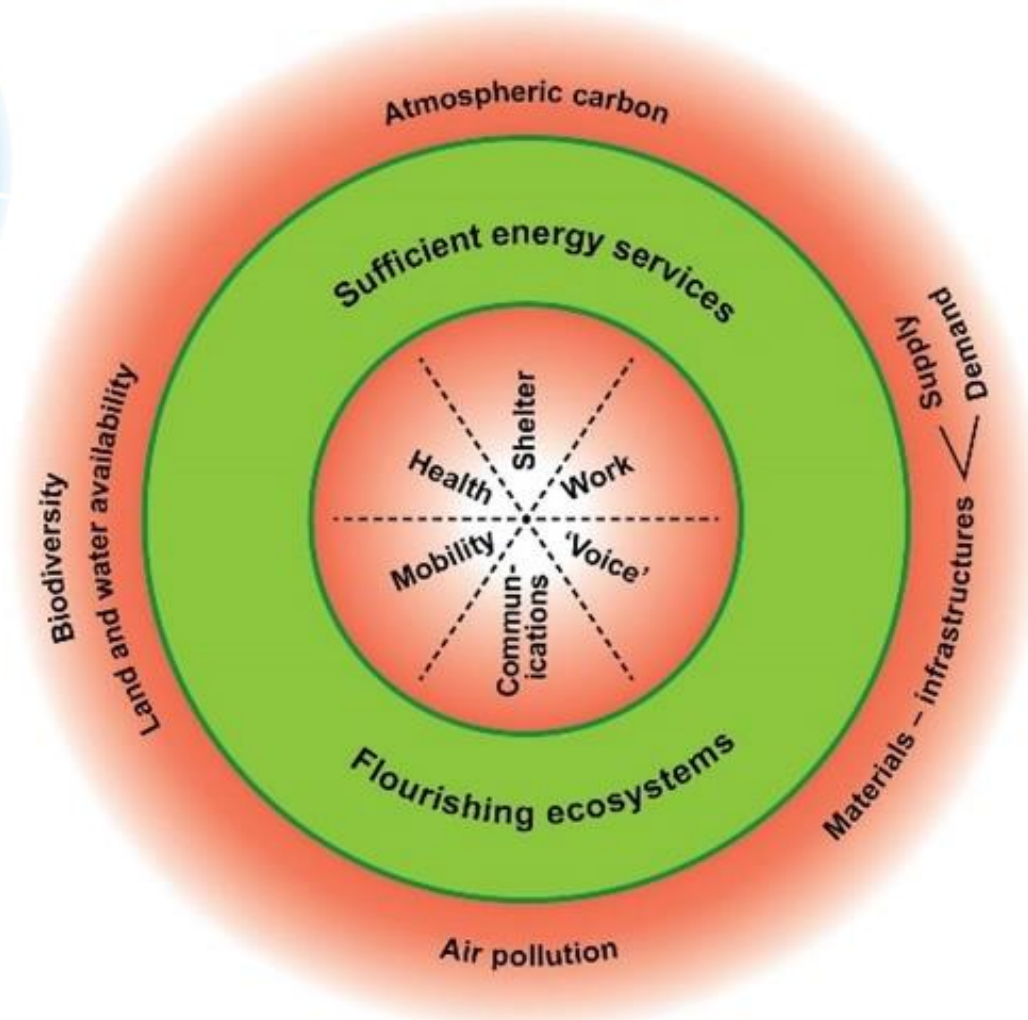
*“Climate action, fairness and opportunity must go together.*

*Taking action to tackle climate change must make Scotland a healthier, more prosperous and more equal society, whilst restoring its natural environment.*

*We want a Scotland where wellbeing is at the heart of how we measure ourselves and our prosperity.”*



Oxfam/Raworth sustainable development doughnut.



## Energy sufficiency

*“a state in which people’s basic needs for energy services are met equitably and ecological limits are respected”*

Image source: Darby S and Fawcett T (2018) *Energy Sufficiency: an introduction*. [www.energysufficiency.org](http://www.energysufficiency.org)





# A Minimum Income Standard for the United Kingdom in 2021

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by Abigail Davis, Donald Hirsch, Matt Padley and Claire Shepherd.

This report looks at the current levels of MIS and the extent to which people can achieve it based on benefits, Universal Credit and the National Living Wage.

It also looks at preliminary research on how norms have been affected by the COVID-19 pandemic.

*“The Minimum Income Standard presents a vision of the living standards that we, as a society, consider everyone in the UK should be able to achieve.*

*[It is] based on what members of the public think we all need for an acceptable minimum standard of living.”*







Ivan Illich  
**ENERGY  
& EQUITY**



*"High speed is the critical factor which makes transportation socially destructive... free people must travel the road to productive social relations at the speed of a bicycle."*













**Ashden** 🌞🌍💡 @Ashden\_org

5d

New Energy Nexus Uganda help NGOs and social enterprise to distribute clean energy through providing finance and business skills training. They won the Ashden Award for Energy Access Innovation.

👉 find out about the rest of the winners:  
[youtube.com/watch?v=pchNbg...](https://youtube.com/watch?v=pchNbg...)



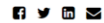
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# Climate emergency

## Cornwall's call to action

Home » Carbon Neutral Cornwall Hive » Carbon Neutral Cornwall Call to Action

### Carbon Neutral Cornwall Call to Action



#### Cornwall has set an ambitious target of becoming carbon neutral by 2030

Aiming for 2030, ahead of the Government's target of 2050, gives us the best chance of keeping global warming below 1.5 degrees Celsius. Which scientists tell us will avoid the worst impacts on our planet.

Becoming carbon neutral can be achieved in two ways, by reducing the amount of carbon dioxide and other greenhouse gases we are producing, and by capturing the carbon dioxide we do produce so that it can't enter the atmosphere.

This challenge can give us hope, not just that we can find our way through an emergency, but that we can rise to the challenge and come out the other side even better than before.

We're not starting from scratch, there are pioneers in Cornwall, demonstrating how we can change the ways we live, work and play. But there is always room for new ideas.

Cornwall Council is working towards becoming a Carbon Neutral Council; and Cornwall's response to Climate Change needs everyone to think and act differently. We need to change our options and our decisions.

The Carbon Neutral Cornwall Call to Action explains our vision for how Cornwall can become carbon neutral. We have made a good start and now we need everyone to get involved.

We want everyone to shape Cornwall's vision for reaching carbon neutrality.

#### Together we can

If we all make small changes to how we move, shop, eat, think and live, together we can make practical changes on a huge scale.

Please take a look at the [Carbon Neutral Cornwall Call to Action](#) and get involved in the conversations below that are going to shape Cornwall's Carbon Neutral 'greenprint' Plan and put it into action.



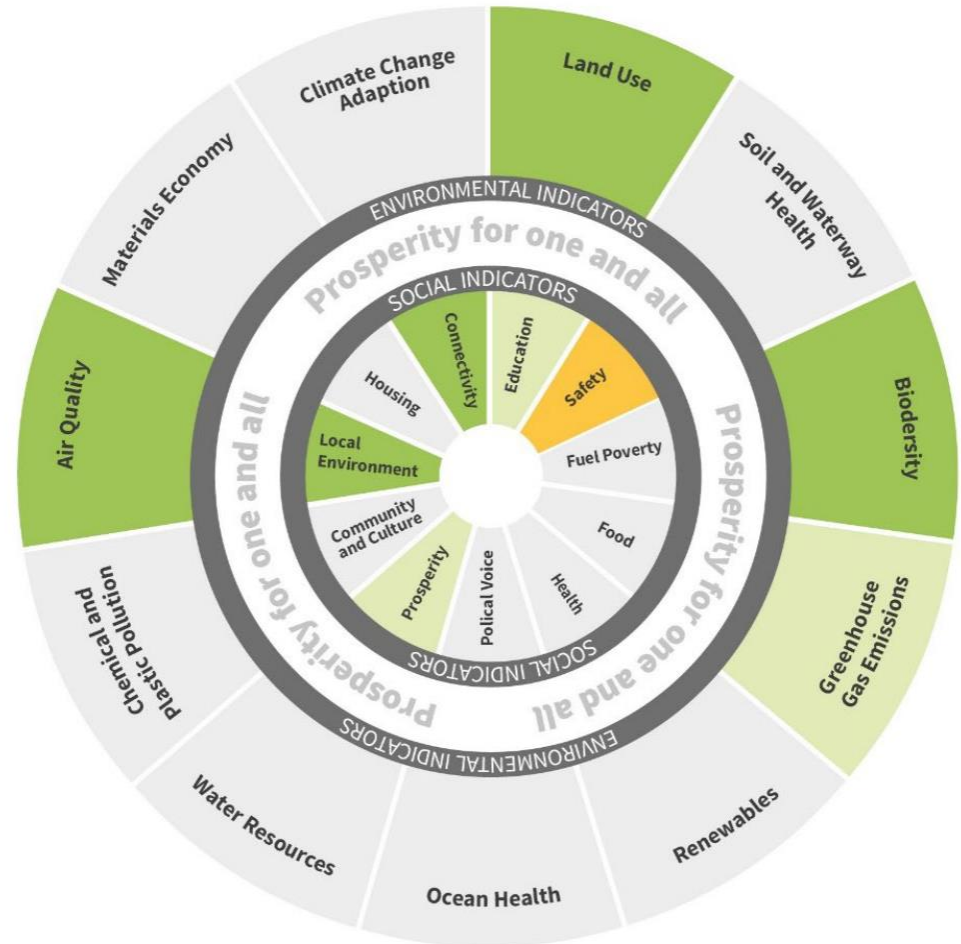
#### Helpful links

- [Carbon Neutral Cornwall](#)
- [The Cornwall Plan 2030 - 2050](#)
- [Cornwall Climate Emergency Funds](#)
- [Climate Emergency Development Plan Document \(DPD\)](#)
- [Low carbon and environment initiatives](#)
- [The 12 Days of Low Carbon Christmas](#)

#### Explore the Hive

- [The Hive Blog](#)
- [Ideas Bank](#)
- [CNC Youth Ambassadors](#)
- [My World - Our Planet](#)
- [Localism workshops](#)
- [Organisations taking action](#)
- [The Hive homepage](#)

For more information about  
**Carbon neutral**





# Creating City Portraits

A methodological guide from  
The Thriving Cities Initiative



## WHAT WOULD IT MEAN FOR THE PEOPLE OF AMSTERDAM TO THRIVE?

	CITY TARGET	CITY SNAPSHOT
<b>HEALTH</b>	All citizens have an equal chance of living a healthy life, regardless of socioeconomic status, or background. <sup>22</sup>	Around 40% of citizens are overweight and almost half (49%) have a moderate-to-high risk of depression or anxiety. <sup>23</sup>
<b>HOUSING</b>	There is sufficient availability of affordable and decent homes. <sup>22</sup>	In 2018, almost 60,000 homeseekers applied online for social housing, while only 12% were successful. Overall, almost 20% of city tenants are unable to cover their basic needs after paying monthly rent. <sup>26,27,28,29</sup>
<b>WATER</b>	Public water is accessible, attractive, clean and safe for all users. <sup>22</sup>	Tap water quality in 2017 was rated well above the legal standard. <sup>25</sup>
<b>FOOD</b>	A target is currently under development	In 2018, over 1,200 households made use of the city's food banks. <sup>24</sup>

### CONNECTIVITY

### COMMUNITY

### MOBILITY

### CULTURE

CITY TARGET	CITY SNAPSHOT
The digital city is designed in collaboration with citizens, and many other city actors. The municipality's interaction with citizens is accessible, understandable and inclusive. <sup>22</sup>	98% of Dutch households had access to the internet in 2017. 13% of Amsterdammers over 19 years old experience severe loneliness. <sup>34,35</sup>
Amsterdam is an inclusive and connected city. <sup>22</sup>	81% of city residents stated that they felt connected to the city in 2017. Residents' ratings of their neighbourhoods ranged from 6.8/10 in Nieuw-West, to 8.1/10 in Zuid. <sup>36</sup>
The city is accessible to everyone via public transport, in a safe and sustainable way. <sup>22</sup>	In 2017, citizens made an average of 665,000 journeys by bike every day, and in 2018 they gave the city's public transport a rating of 7.7 out of 10. <sup>38,39</sup>
All citizens and visitors are provided with a high-quality, innovative and diverse cultural offering, and all Amsterdam children become acquainted with art and culture. <sup>22</sup>	In 2017, the City's Kunstenplan introduced a programme of after-school activities in arts and culture, predominantly for children from low-income households. <sup>37</sup>



	CITY TARGET	CITY SNAPSHOT
<b>PEACE &amp; JUSTICE</b>	Amsterdam is a safe and liveable city for residents and visitors. <sup>22</sup>	In 2017, 25% of citizens were the victim of a crime, and 3% of citizens said they had experienced domestic violence over the past five years. <sup>40,41</sup>
<b>SOCIAL EQUITY</b>	Citizens enjoy greater independence and seldom experience inequality of opportunity. <sup>22</sup>	16% of residents in lower-income neighbourhoods feel they lack control over their lives – higher than the national average of 11%. <sup>42</sup>
<b>POLITICAL VOICE</b>	Citizens have an increased say, involvement and role in deciding what happens and how it gets implemented. <sup>22</sup>	Voter turnout for the 2018 city elections was 52%, compared to 79% for the 2017 national election. <sup>43,44</sup>
<b>EQUALITY IN DIVERSITY</b>	Amsterdam is an inclusive and connected city. <sup>22</sup>	In total, 15% of residents reported experiencing discrimination in 2017: 39% of incidents concerned ethnicity, or skin colour; and 29% concerned nationality. <sup>45</sup>

### JOBS

### INCOME

### EDUCATION

### ENERGY

CITY TARGET	CITY SNAPSHOT
Citizens are provided with attractive commercial facilities throughout Amsterdam, plus entrepreneurs benefit from a good business climate. <sup>22</sup>	Local entrepreneurs gave the city business climate a rating of 6.75 out of 10, in 2017. <sup>50</sup>
Financial (income) security is assured for citizens who cannot (completely) provide for their own livelihoods. <sup>22</sup>	Almost 1 in 5 of all households (18%) qualified to apply for the social benefits scheme due to their low income and savings in 2016. <sup>51</sup>
Every child receives a good education in a high-quality school environment. <sup>22</sup>	In 2019 there were 175 unfilled teaching posts in city schools. <sup>52</sup>
Make the city natural gas-free before 2040. <sup>22</sup>	The City is currently working on making 28 neighborhoods become natural-gas free. <sup>53</sup>

Questions...

