



SUSTAIN EXCHANGE

A Hybrid Summit | Friday 1st October

What can you and your organisation do to help avert the climate crisis?

Brought to you by:

Danske Bank

MN

Belfast City Council

The decisive event for **the** decisive year

Supported by:

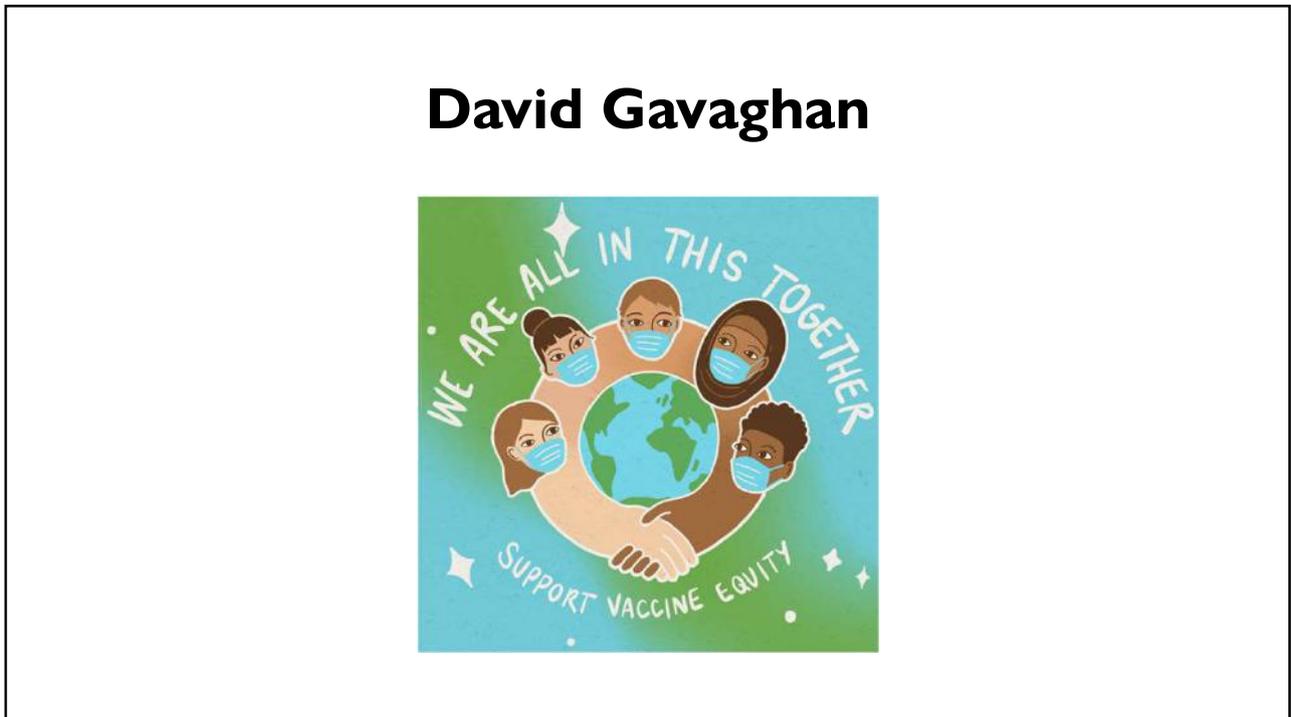
Belfast Harbour

TITANIC BELFAST

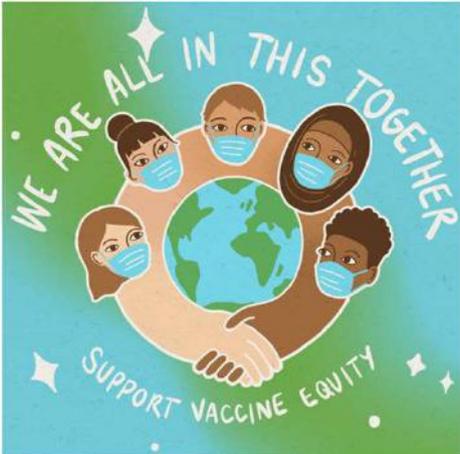
Outstanding Speaker Line-up Includes:

David Gavaghan
Business Leader & Belfast Climate Commissioner
In this Together: The Local Context

1



David Gavaghan



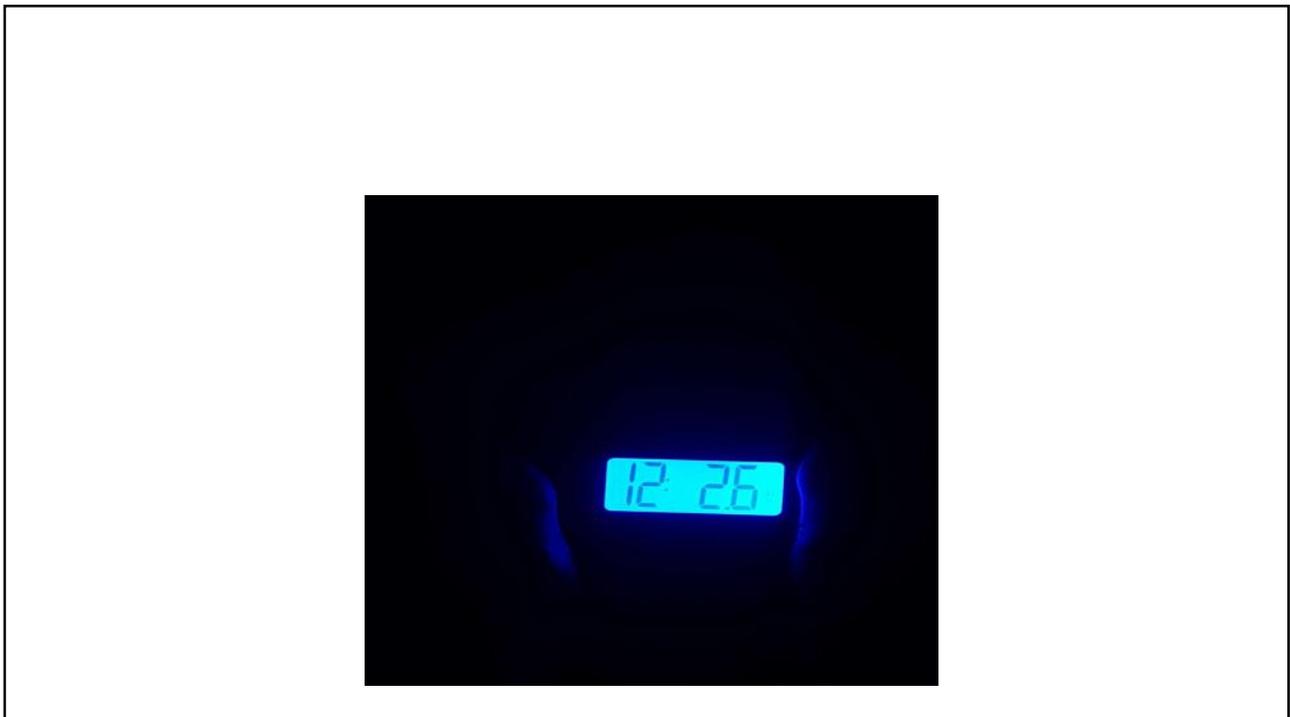
WE ARE ALL IN THIS TOGETHER

SUPPORT VACCINE EQUITY

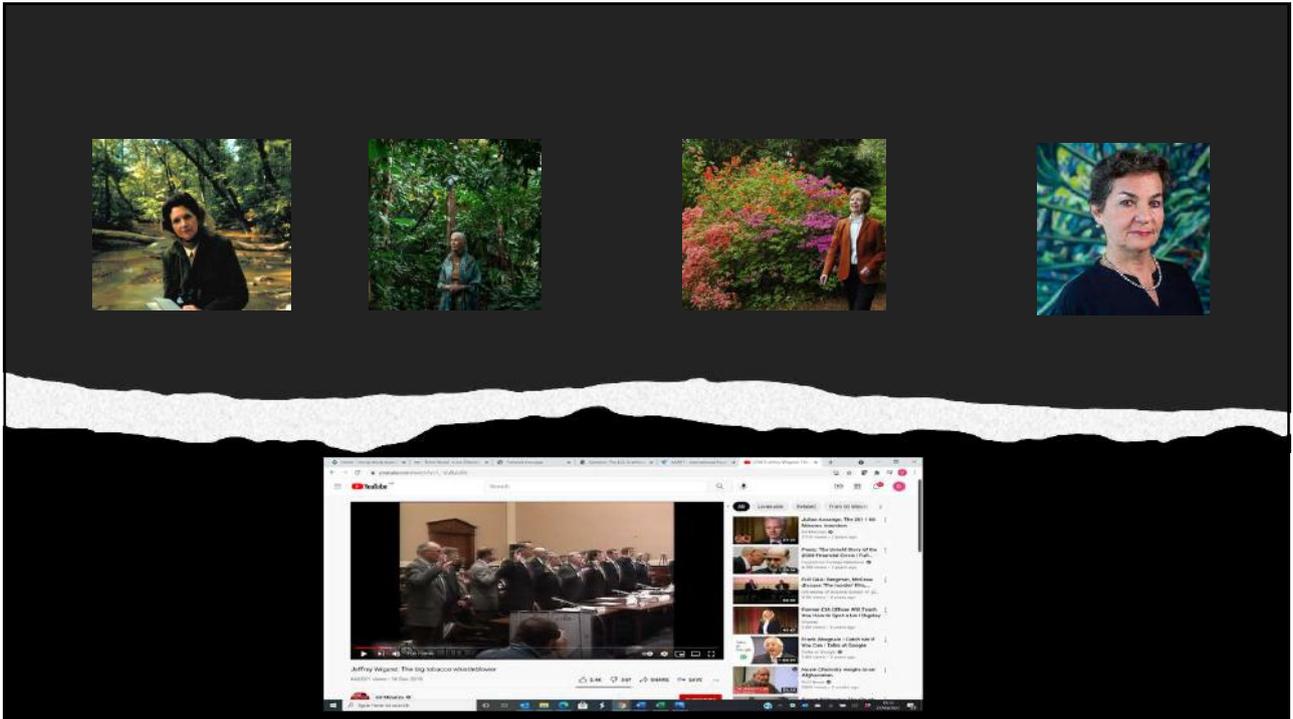
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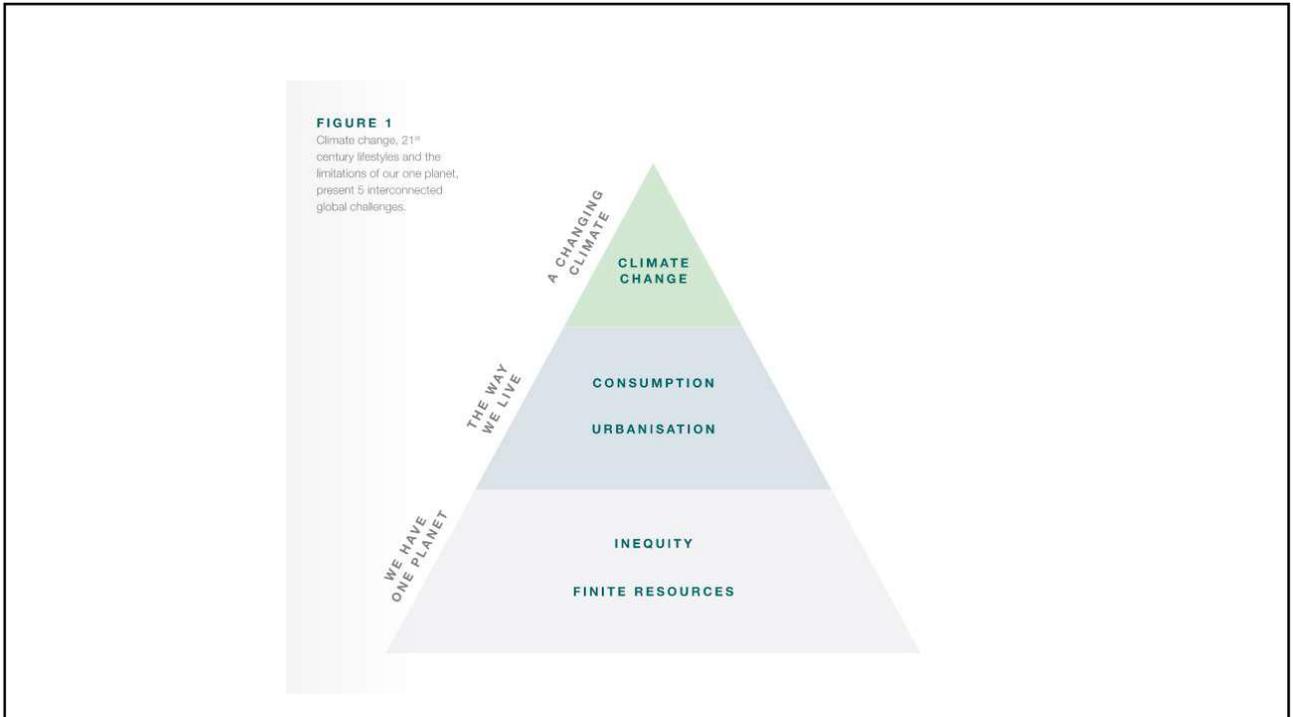
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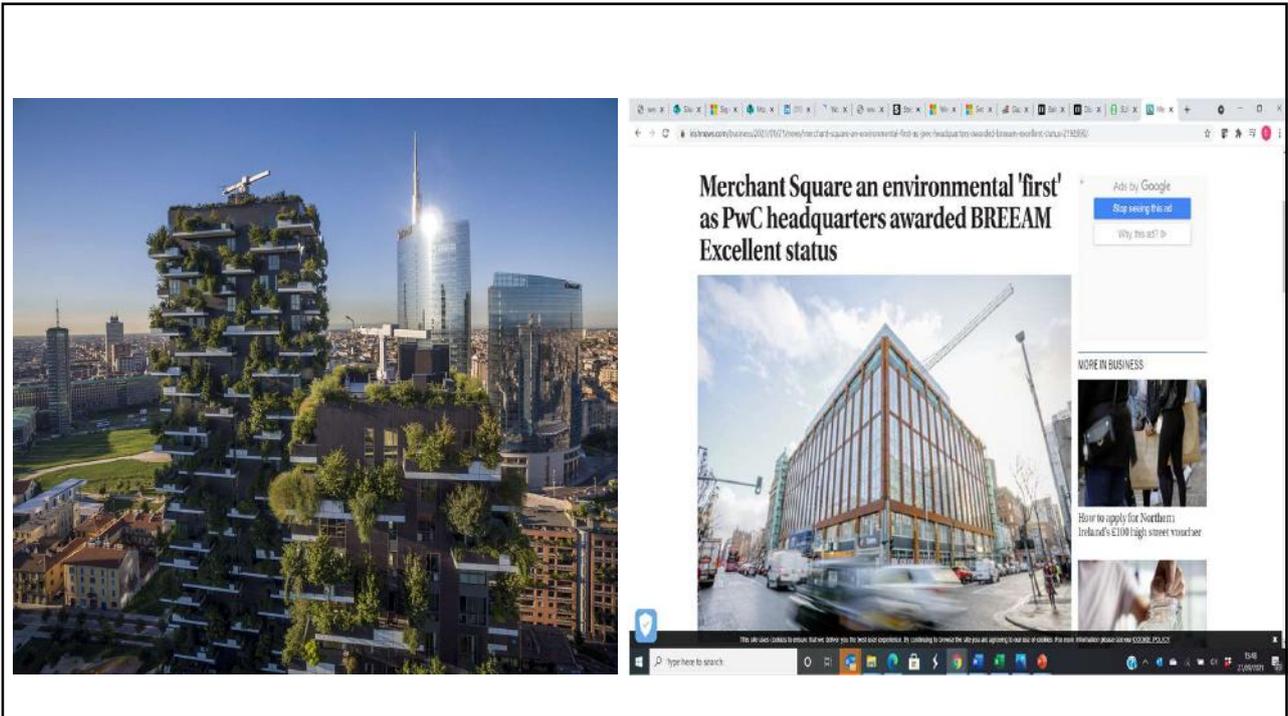
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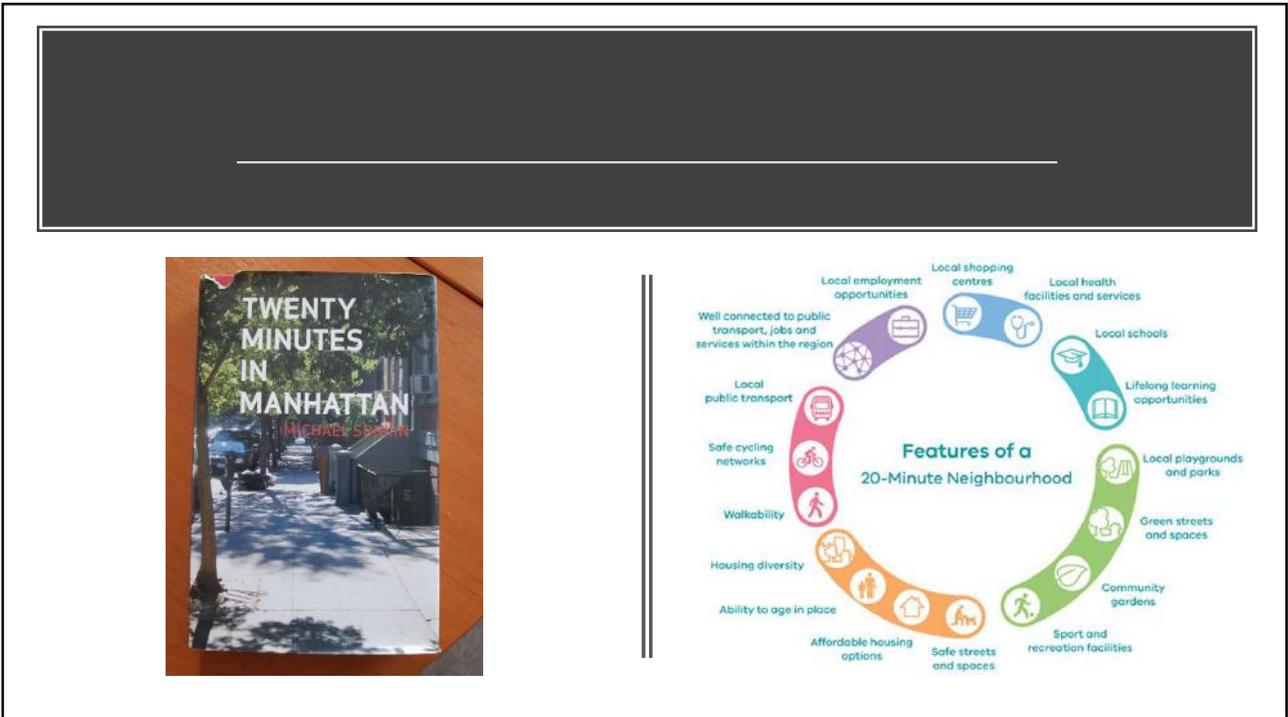
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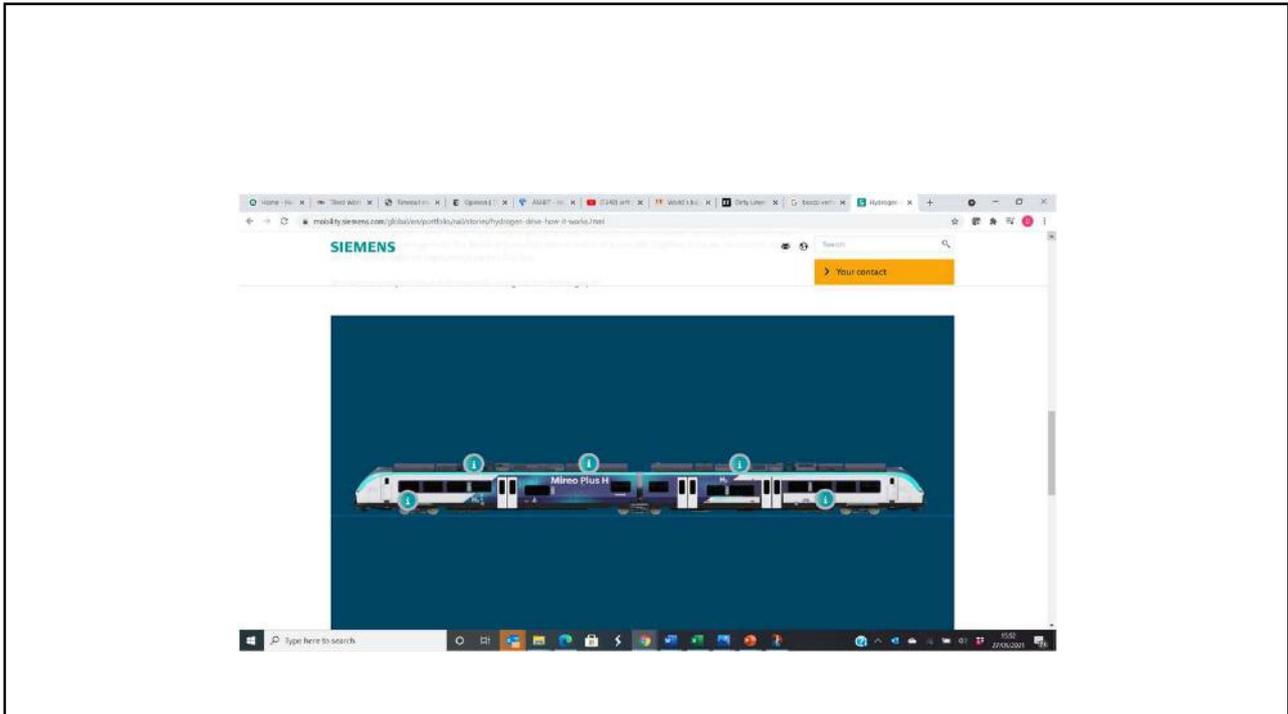
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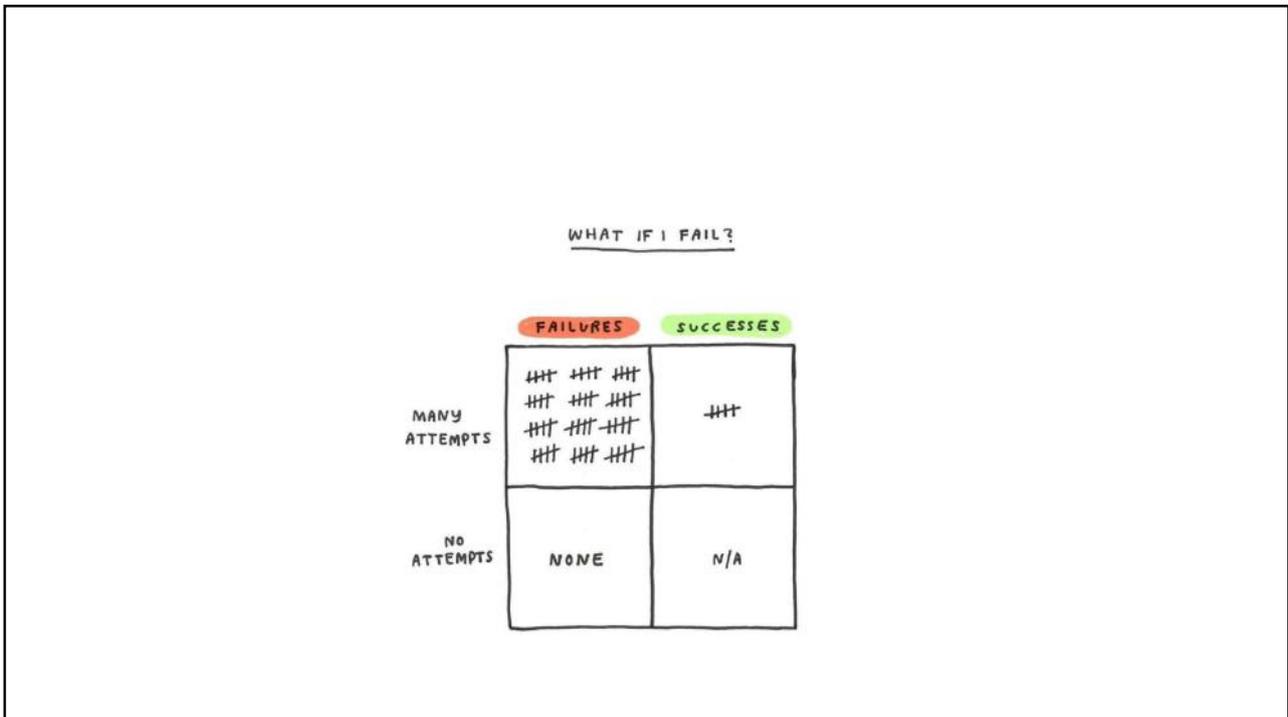
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I often say that when you can measure what you are speaking about and express it in numbers you know something about it; but when you cannot measure it, when you cannot express it in numbers, your knowledge is of a meager and unsatisfactory kind: It may be the beginning of knowledge, but you have scarcely, in your thoughts, advanced to the stage of science, whatever the matter may be."

"Popular Lectures and Addresses: Constitution of Matter" (1891).

William Thomson, Baron Kelvin,



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HOPE

“HOPE OPENS NEW HORIZONS, MAKING US CAPABLE OF DREAMING WHAT IS NOT IMAGINABLE.”

“NO ONE LEARNS TO HOPE ALONE”

Jorge Mario Bergoglio



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Andrew Griffiths

Director of Community and Partnerships, Planet Mark
Carbon Jargon Busting

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Who Are Planet Mark?

What We Do

Planet Mark is a sustainability certification which recognises continuous improvement, encourages action and builds an **empowered** community of like-minded individuals who make a world of difference in every type of organisation.

How

Our simple three step process takes organisations on a journey to sustainability action:

-  **1. Measure**
We help you collate carbon and social value data to measure your impact.
-  **2. Engage**
Our engagement experts unlock your team's passion to take action.
-  **3. Communicate**
We help you communicate your achievements authentically and effectively with the world.

©2021 PlanetMark



We are Planet Mark Certified

Year 12.

Your company logo

This is to certify that Company name has achieved the Planet Mark by measuring and reporting its carbon footprint and engaging its stakeholders.

Valid to: XXXX

Empowering change for a brighter future. PlanetMark is an independent, not-for-profit organisation. We are not a charity. Our commitment is to support organisations to measure, manage and reduce their environmental impact and to make a world of difference.

Measure

139 tCO₂e
Total carbon footprint

33 tCO₂e
Total carbon footprint (excluding)

£23,000
Total Social Value

We are committed to reducing our carbon emissions year on year, together, we can make a difference.

Engage

100
100 employees

We engage our employees with initiatives to share their skills and knowledge to help us in our ongoing sustainability journey.

Communicate

Responsible Disclosure Code. This document is prepared in accordance with the Responsible Disclosure Code and is available on our website.

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The Zero Carbon Tour!

We are travelling all across the UK in the 'Carbon Battle Bus' to engage with communities and...

- 1) Raise awareness about COP26, the UN-backed Race to Zero and #TogetherForOurPlanet campaigns.
- 2) Gather "Carbon Stories" – tangible examples of actions that organisations have been taking to cut their carbon emissions that we can share to inspire others.
- 3) Enable Organisations to set credible net zero carbon targets and a plan to achieve them.

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Scopes of emission

There are 3 Scopes of Emissions:

Scope 1
Fuel you burn yourself (e.g. oil heaters and fuel in owned company vehicles).

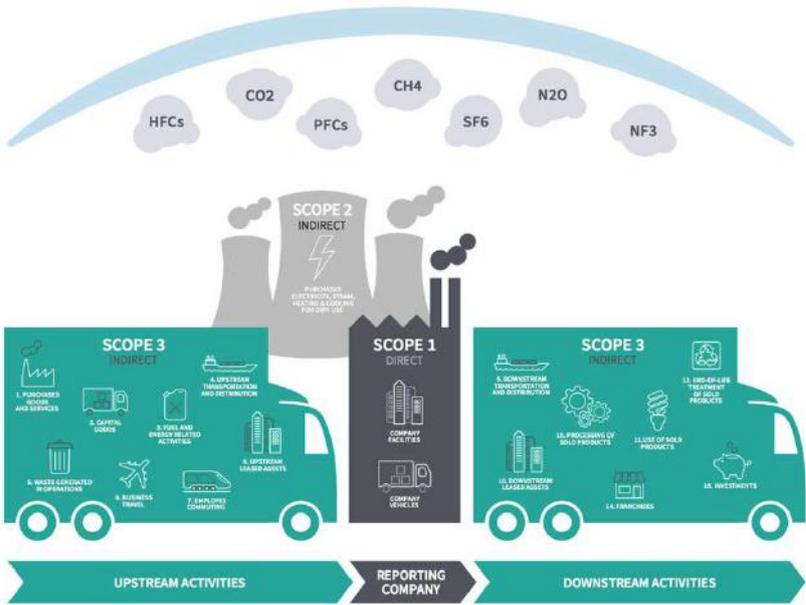
Scope 2
Energy you consume (e.g. electricity).

Scope 3
Everything else! (e.g. waste, commuting, supply chain and so on).

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GREENHOUSE GAS EMISSIONS: SCOPE 1, 2 & 3

#ZeroCarbonTour



SOURCES: ET I INDEX RESEARCH, GREENHOUSE GAS PROTOCOL

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Total carbon footprint.

Location *BASED*

Reporting year:
1 November 2019 – 31 October 2020

Reporting Boundary:
UK operations (45 sites)

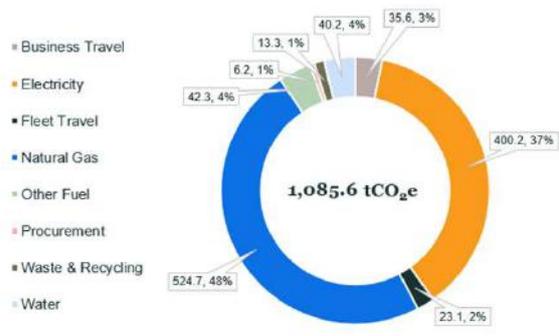
Emissions measured:
Electricity, T&D losses, natural gas, homeworking energy (not included in total carbon footprint), gas oil, refrigerants, water, waste, fleet, business travel, paper use

Highlights:
Carbon footprint (tCO₂e): **1,085.6**
Per employee (tCO₂e): **0.5**
Next reduction target: **5%**
Data quality score: **18 out of 20**

All rows and tables are rounded to one decimal place. This may lead to slight discrepancies in totals within the report.

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Carbon footprint by emission source for year ending 2020, tCO₂e



Emission Source	Value (tCO ₂ e)	Percentage
Water	524.7	48%
Electricity	400.2	37%
Business Travel	42.3	4%
Other Fuel	35.6	3%
Waste & Recycling	23.1	2%
Natural Gas	13.3	1%
Fleet Travel	6.2	1%
Procurement	40.2	4%

Note: Your carbon footprint is reported two ways; one is using the location based method of calculating Scope 2 electricity emissions and the other the market based method. A location-based method reflects the average emissions intensity of grids on which energy consumption occurs (using mostly grid-average emission factor data). A market-based method reflects emissions from electricity that companies have purposefully chosen (or their lack of choice).

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Carbon offsets.

Carbon offset schemes allow companies to invest in international environmental projects that balance out their own carbon footprints.

- Gold Standard (International, additional) Verified Carbon Standards.

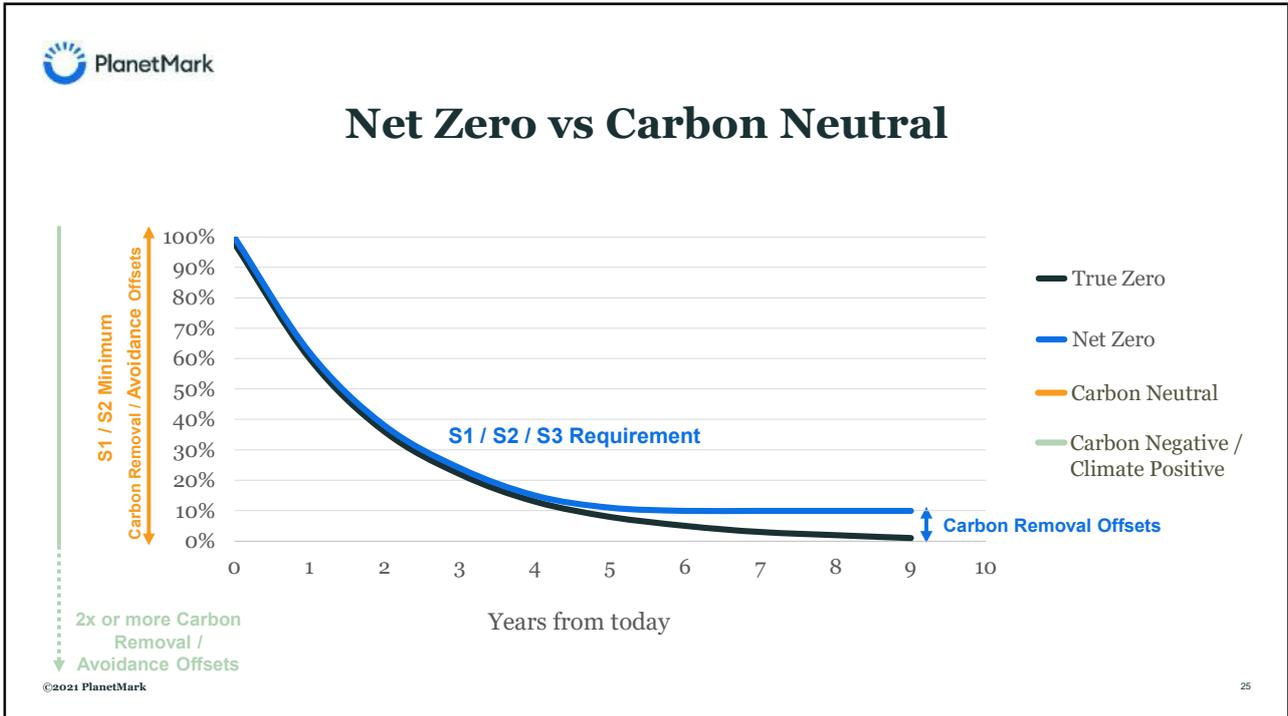
Two types:

- 1) **Carbon Avoidance**
Avoidance of carbon emissions going into the atmosphere (e.g. wind, solar).
- 2) **Carbon Removal**
Removal through carbon sequestration. UK Woodland Code (trees, peatland restoration) or through technology.

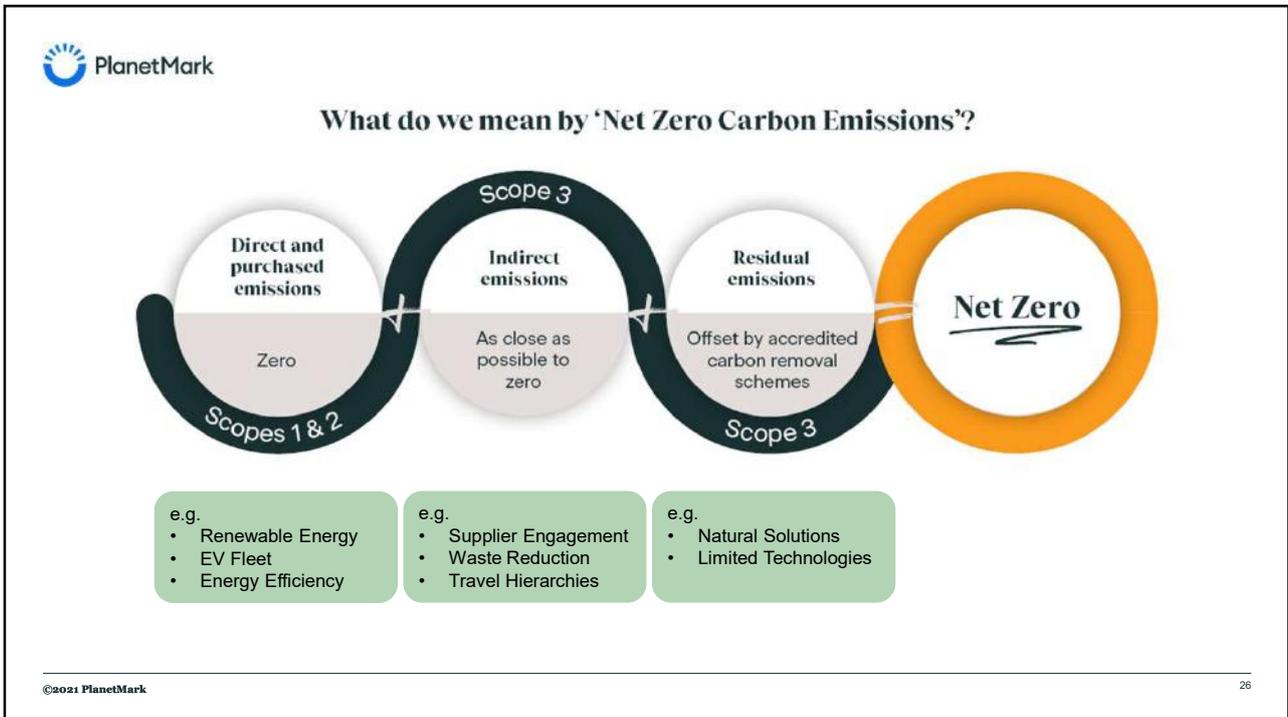
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#ZeroCarbonFour

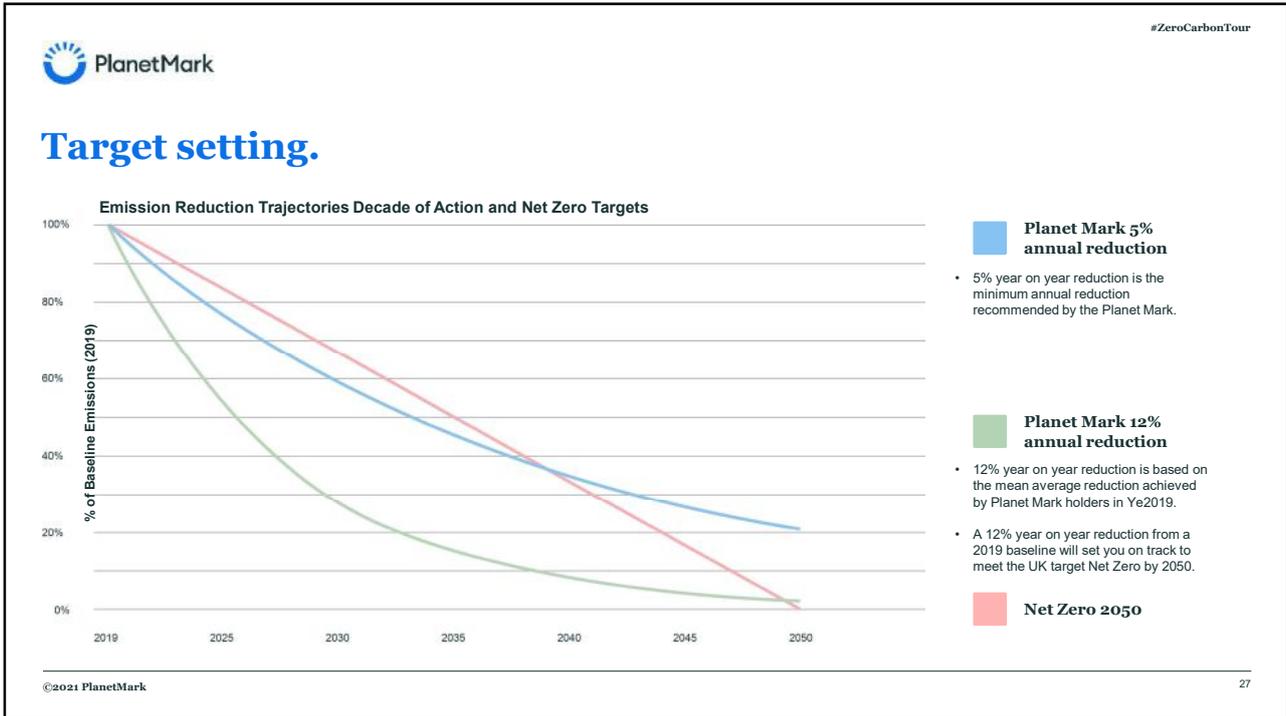
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PlanetMark #ZeroCarbonTour

We are Partnered with the UN-backed RACE TO ZERO

Pledge

Pledge at head of organisational level to reach net zero as soon as possible before 2050.

Plan

Within 12 months of joining, set an interim target representing your fair share of 50% reduction by 2030.

Proceed

Take immediate, meaningful action toward achieving net zero within first 12 months of joining.

Publish

Report progress annually by publishing against your targets on a public platform.

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Make Your Net Zero Carbon Commitment.

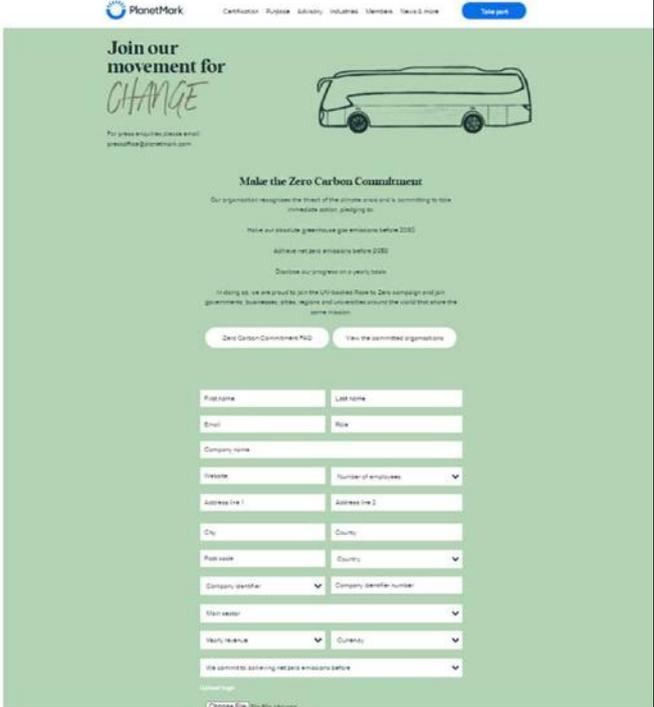
Join the official Planet Mark UN-backed Race to Zero Commitment pledge wall here:

www.zerocarbontour.com

For sector-specific routes for financial institutions, universities, cities and regions you should also sign up here:

<https://racetozero.unfccc.int/join-the-race/>

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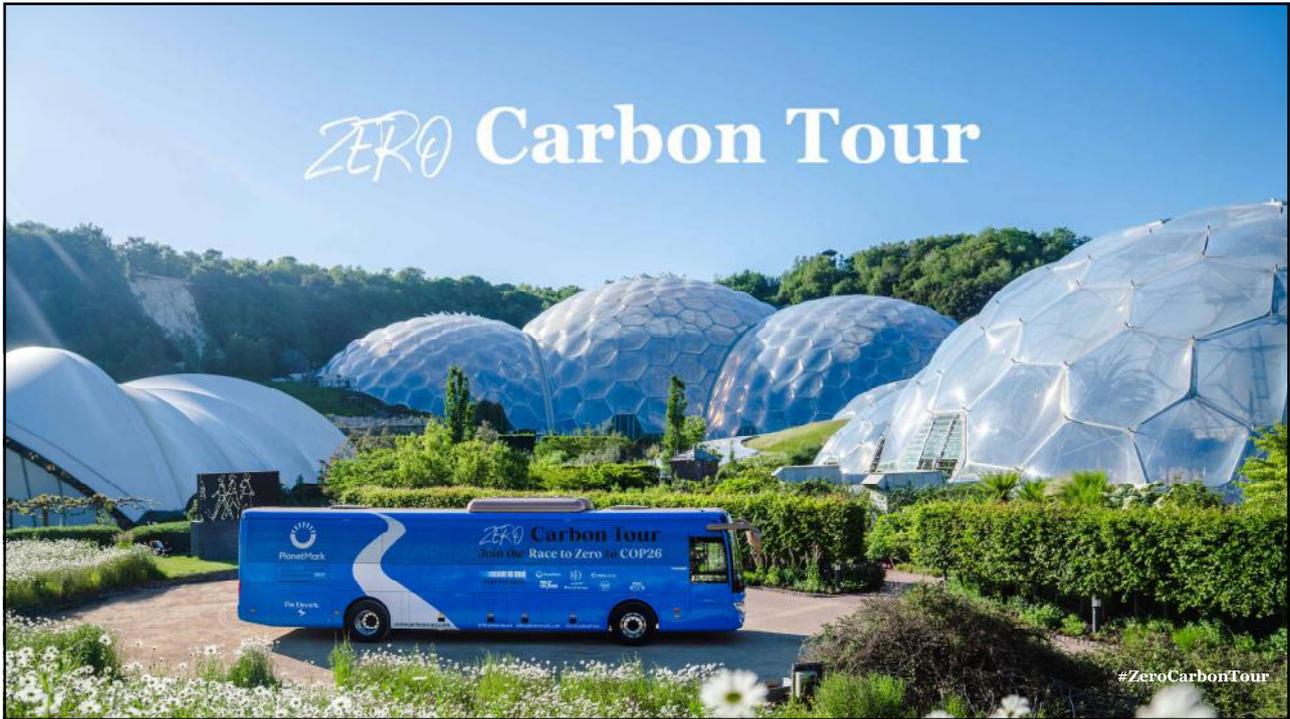
Take ACTION

1. Share your carbon stories through video / written / social media.
2. Make your Net Zero Commitment and attend a workshop!
3. Write what you want to see COP26 Leaders do.

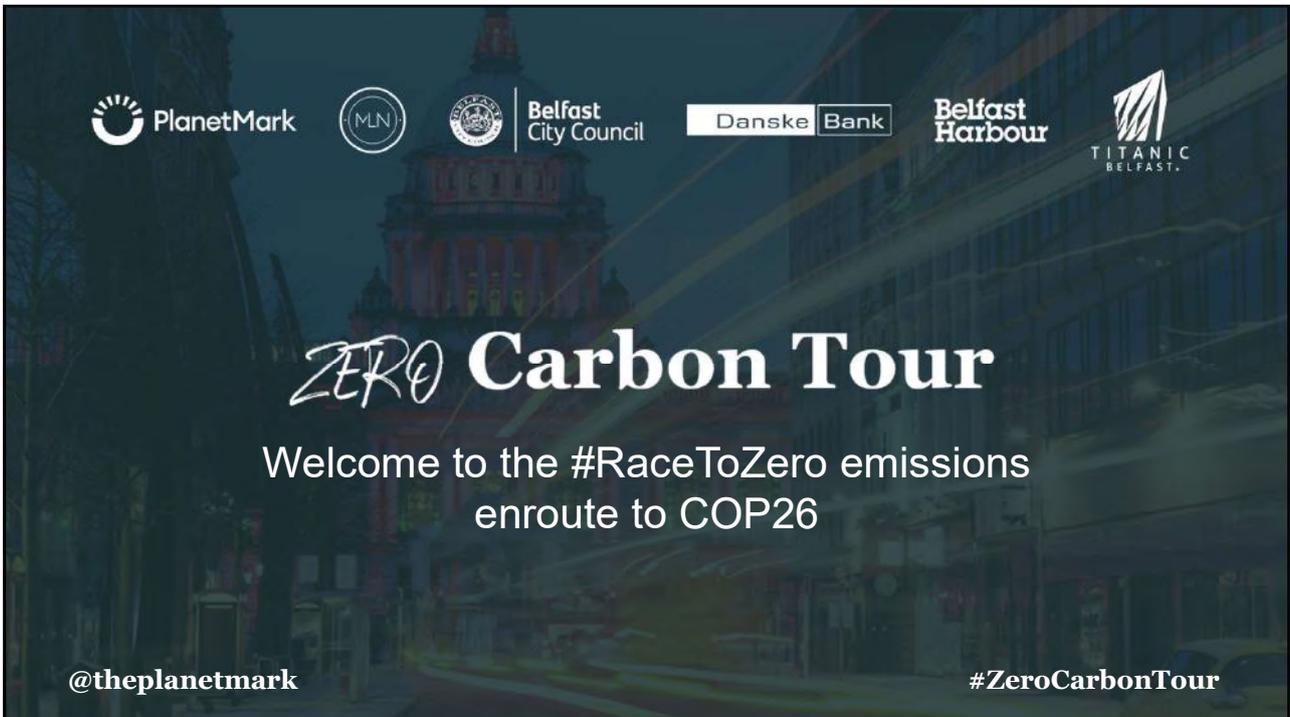
www.ZeroCarbonTour.com

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Chris Martin
Head of Sustainability, Danske Bank
Climate Impact: Understand, Identify, Action

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Danske Bank

Climate Impact: Understand, Identify, Action

Chris Martin
Head of Sustainability, Danske Bank

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We started by **'looking in'** and asking ourselves a range of questions about our climate ambitions and how we could **Go Green Ourselves**

How can we play our part in addressing climate change?

Do we understand our current carbon emissions?

How can we challenge ourselves to reduce our emissions?

What short, medium & long term steps can we take?

What elements of our business can we change quickly?

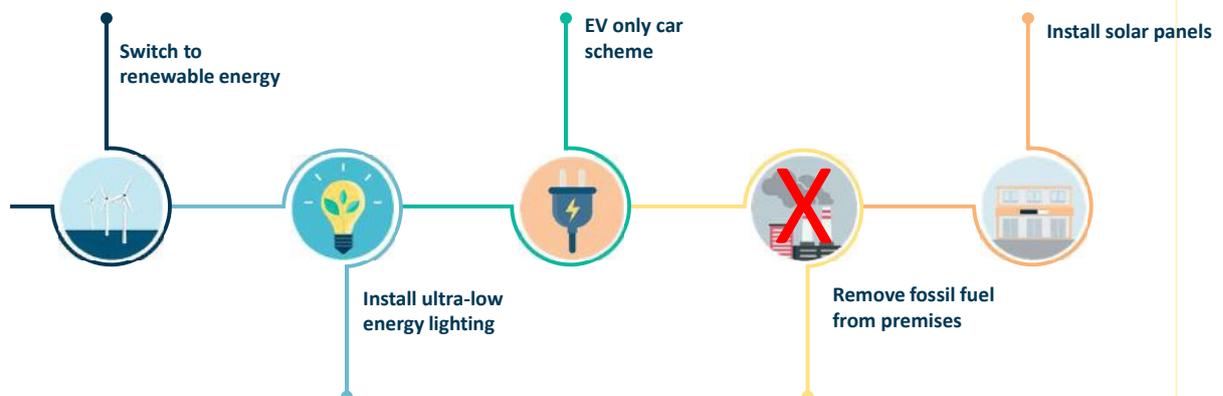


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Developing a range of initiatives allowed us to acknowledge that **'big ambitions start with simple steps'** and introduce enhancements over time

Initiatives ranged in cost and ease / speed of implementation



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'Looking around' helped us to identify partners and gave employees the opportunity to get involved

Benchmarking & challenging ourselves

Business Action on Climate

CORE
The Standard for Responsible Business

Environmental Leadership Award
Winner 2021

Northern Ireland Environmental Benchmarking Survey

Business & Biodiversity Charter

Working with partners and communities

Eco-Schools

'Looking out' is about seeking new opportunities through programmes, products and initiatives aimed at **Helping Customers Go Green**



The Responsible Business Network

DANSKE BANK CLIMATE ACTION PROGRAMME

Thank you



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Eddie McGoldrick
 Co-Founder of The Electric Storage Company
A Start-Up Story: Entrepreneurs Leading the Charge

A START UP STORY

ENTREPRENEURS LEADING THE CHARGE

October 2021



Eddie McGoldrick
Director
The Electric Storage Company

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“

**FIRMS THAT ALIGN THEIR BUSINESS MODELS
WITH THE TRANSITION TO A NET-ZERO
CARBON ECONOMY WILL BE REWARDED
HANDSOMELY;
THOSE THAT FAIL TO ADAPT WILL CEASE TO
EXIST.**

MARK CARNEY, VALUE(S)

”

42



**ONE LESSON IS TO GO AFTER A LARGE
INDUSTRY THAT LETS PEOPLE BREAK THE
CARBON HABIT WITHOUT SACRIFICING THEIR
LIFESTYLES.**

**VC MS PFUND DBL PARTNERS ECONOMIST
21ST AUGUST 2021**

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<div style="text-align: center;">  </div> <h2 style="text-align: center; margin-top: 10px;">EDDIE MCGOLDRICK</h2> <ul style="list-style-type: none"> • Ulster University (BA & PgDip) , Napier (MSc) and Harvard Business School (TPMG) • NIE & Viridian 29 years to Director, Customer Service • Consultant to NI Water, Irish Water, Capita, Ervia • Built Powerteam HV Contracting business in UK & Ireland • Trusted advisor to major utilities for over 10 years • Member of NI Chamber 	<div style="text-align: center;">  </div> <h2 style="text-align: center; margin-top: 10px;">ANNE MARIE MCGOLDRICK</h2> <ul style="list-style-type: none"> • Ulster University (BA & Dip Mgt) • Prudential & Capita (L&P) 16 years to Operations Director • Consultant to RBS, O2, HML, Sisk, Norbrook • Transferred L&P Operations to India for Prudential • Rationalised O2 UK call centres and transferred staff to South Africa • Vice President of Causeway Chamber
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<h3>DECENTRALISE</h3> 	<h3>DIGITALISE</h3> 
<h3>DECARBONISE</h3> 	<h3>DEMOCRATISE</h3> 

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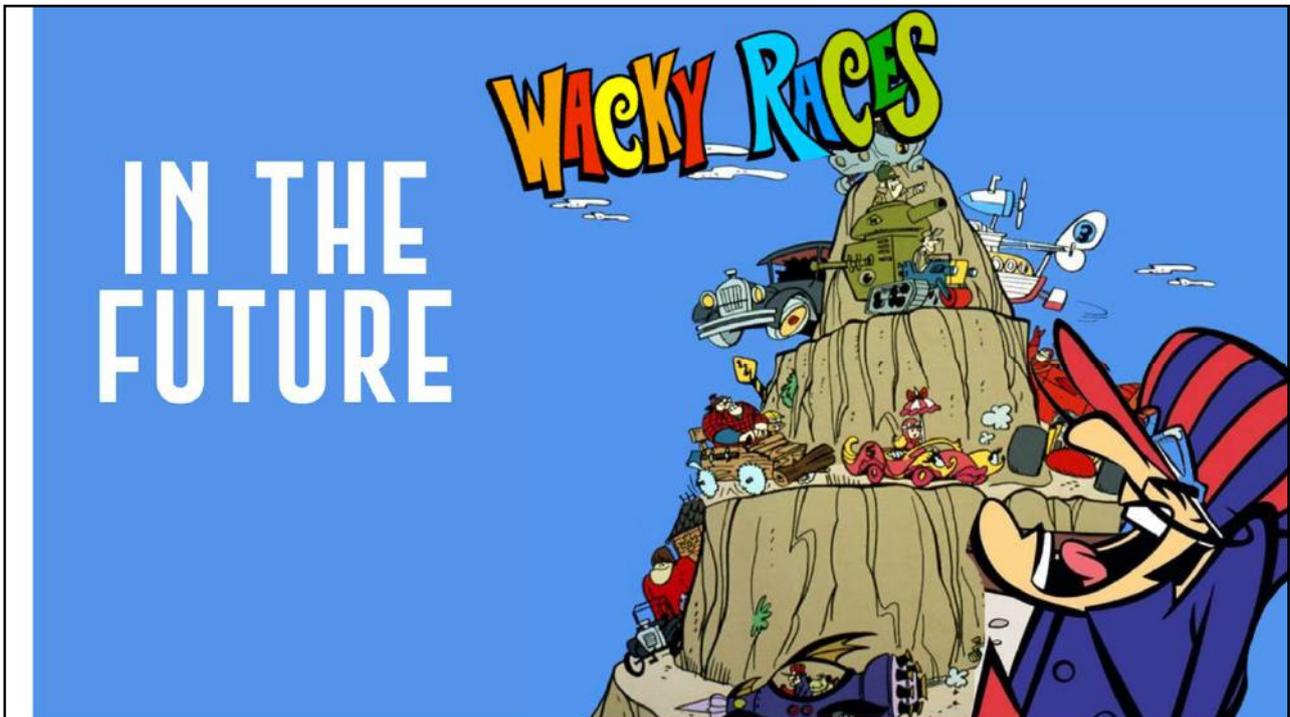
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**IT'S ALL ABOUT THE
DATA!**

GENERATORS
THEN : 4
NOW : 22,000
CUSTOMERS
800,000

OUR VISION

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OUR VISION

CALCULATIONS

THEN : 12.8 MILLION
NOW :
555,033,600,000,000,000

52

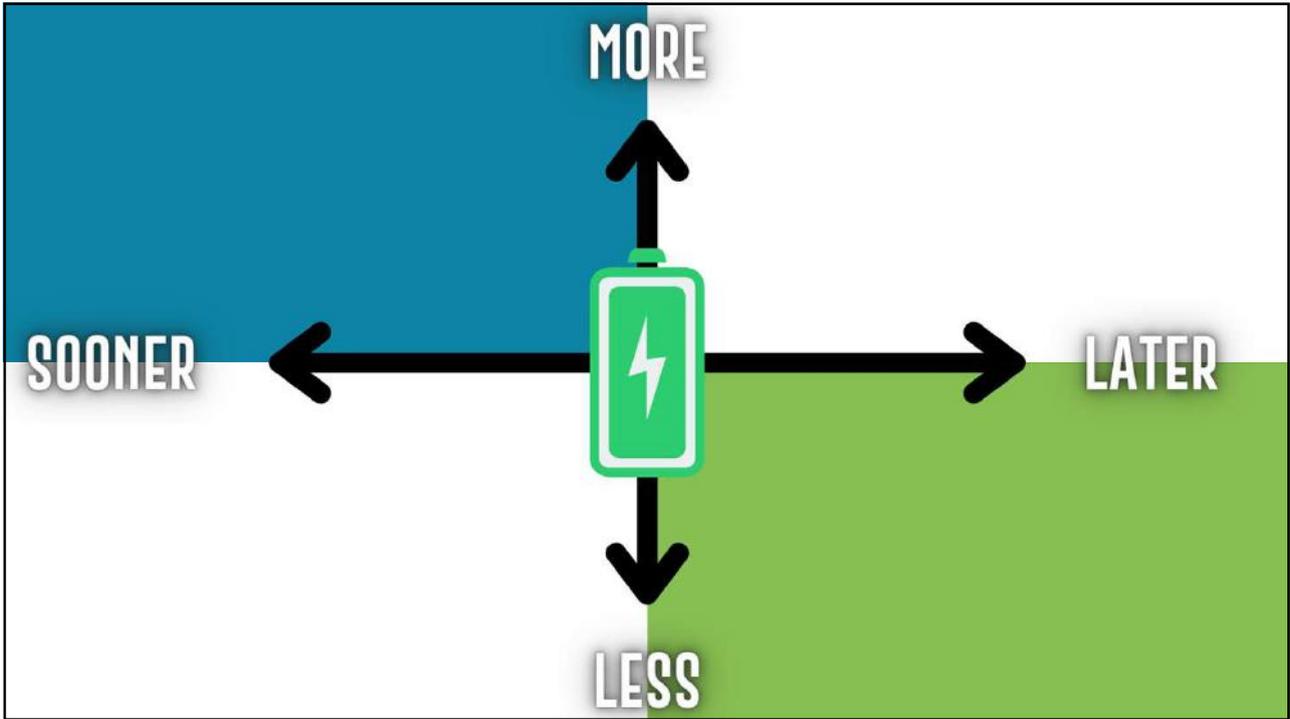
THAT'S A LOT OF
DATA!

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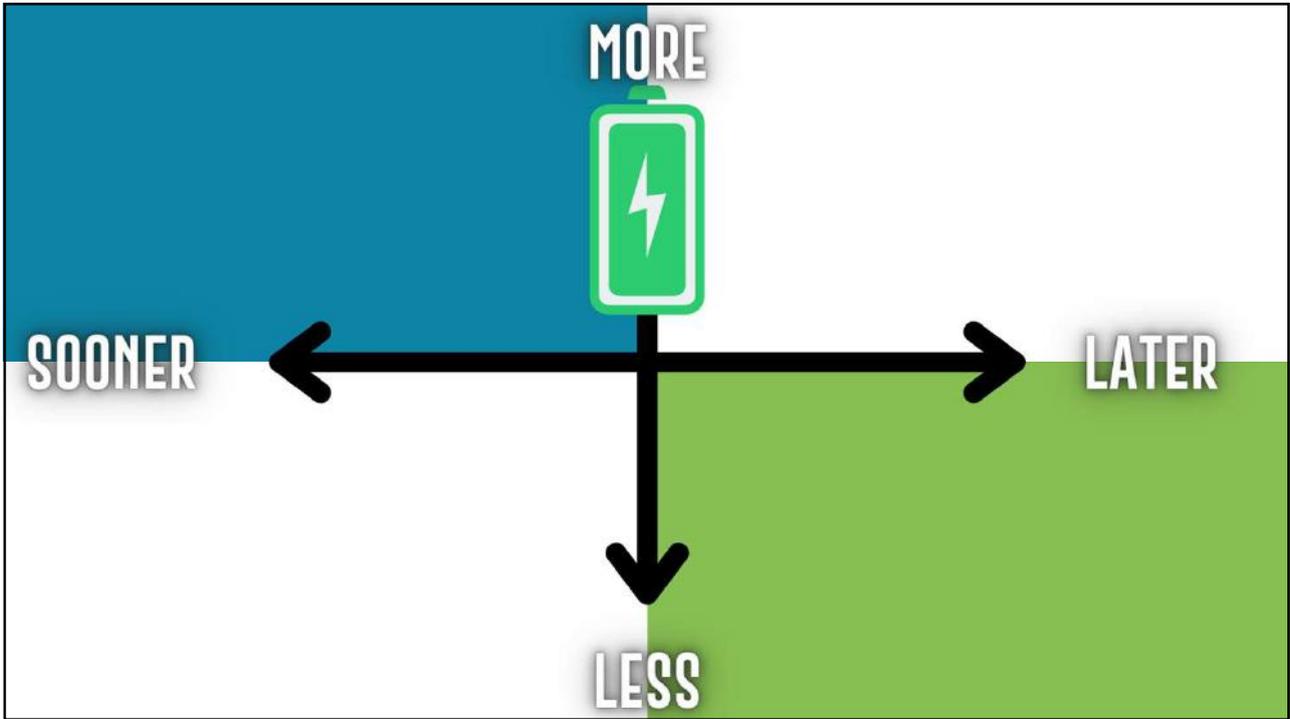


FLEXIBILITY

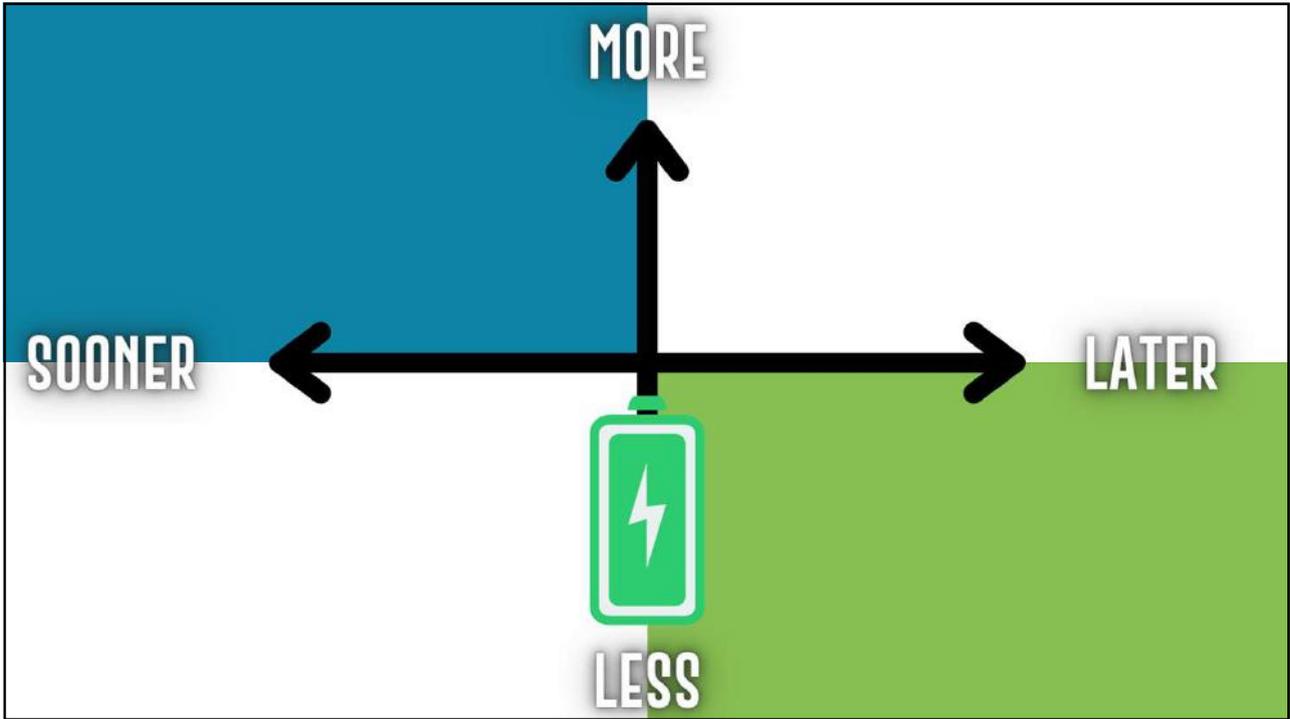
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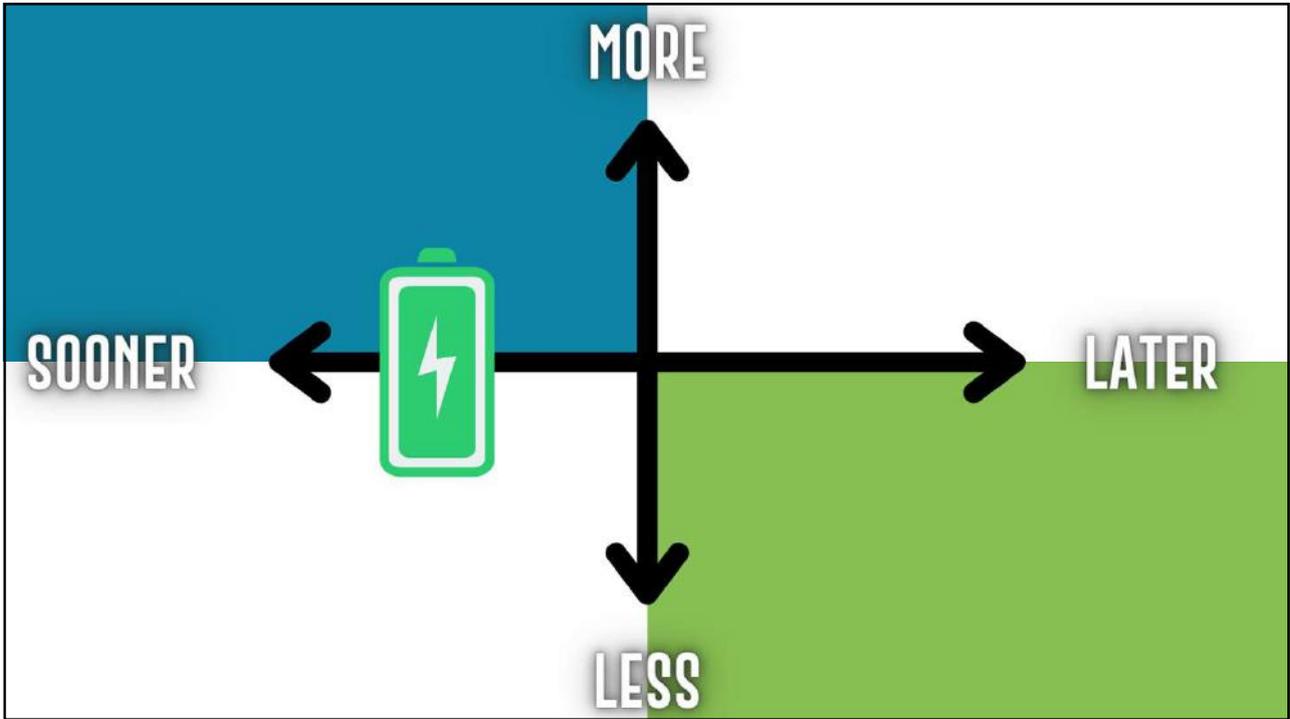
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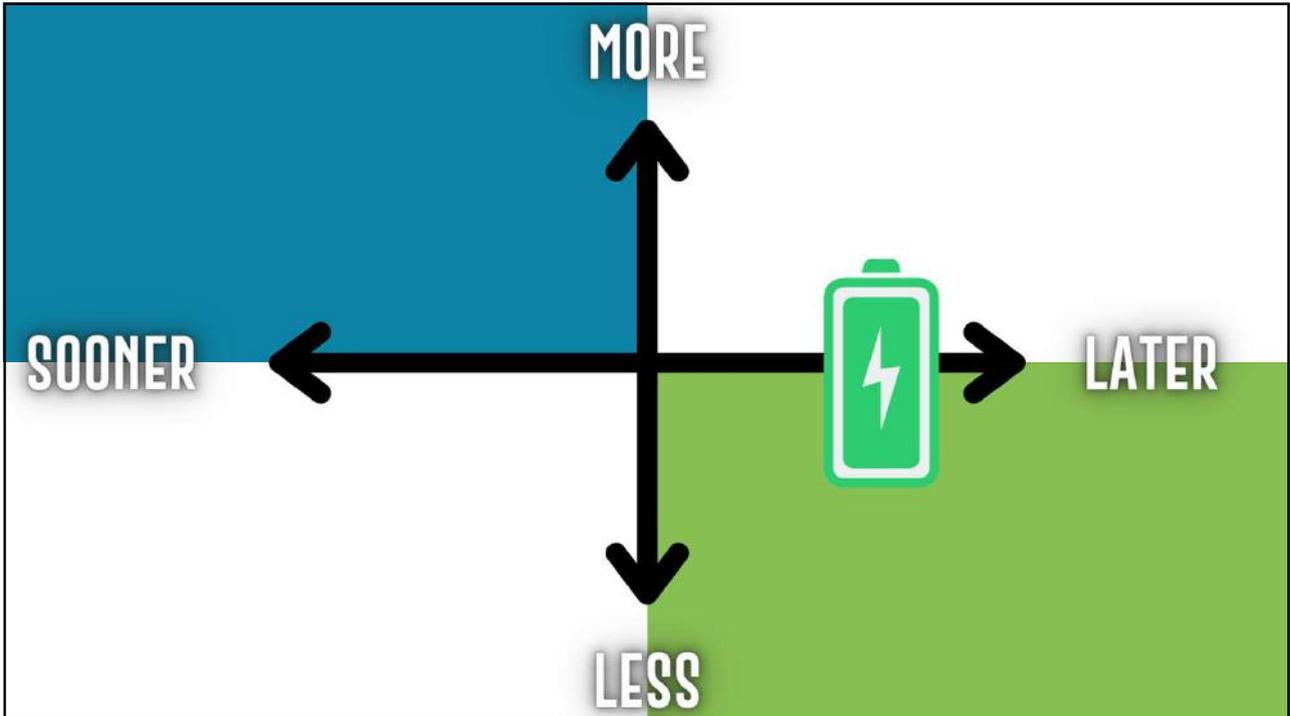
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CAN YOU TELL THE DIFFERENCE?

Dr. to CITY AND COUNTY BOROUGH OF BELFAST—ELECTRICITY DEPARTMENT
ACCOUNT FOR THIRD SURVEY PERIOD, 1918

J. SMITH, ESQ.,
72 IRIS DRIVE,
R65-3-37, BELFAST.

METER READING	PRESENT READING	PREVIOUS READING	UNITS CONSUMED	NEW RATE PER UNIT	AMOUNT	
87 935	8236	8153	83	B	63	
					FIXED CHRG.	1.5
					TOTAL	1311.00

28 SEP 2018

MR. EDDIE MCGOLDRICK
32 HAYFORD, Manor
Newtownabbey
CO. ANTRIM
BT26 7XR

Account Number: 7052840000
Meter Point Ref. No.: 81438 5124 11
Tariff: Home Energy
Billing Period: 28/01/2018 - 26/06/2018
Date of this Bill: 29 June 2018
Payment Due Date: 18 July 2018
Invoice No.: 19622888

Page 1

Your bill summary

Balance of previous bill: £5.16 CR

Payment(s) received up to 20 June 2018: £27.00 CR

Account balance before this bill: £21.84 CR

Transactions for this period: £22.18 CR

New account balance (A+B): £2.66 CR

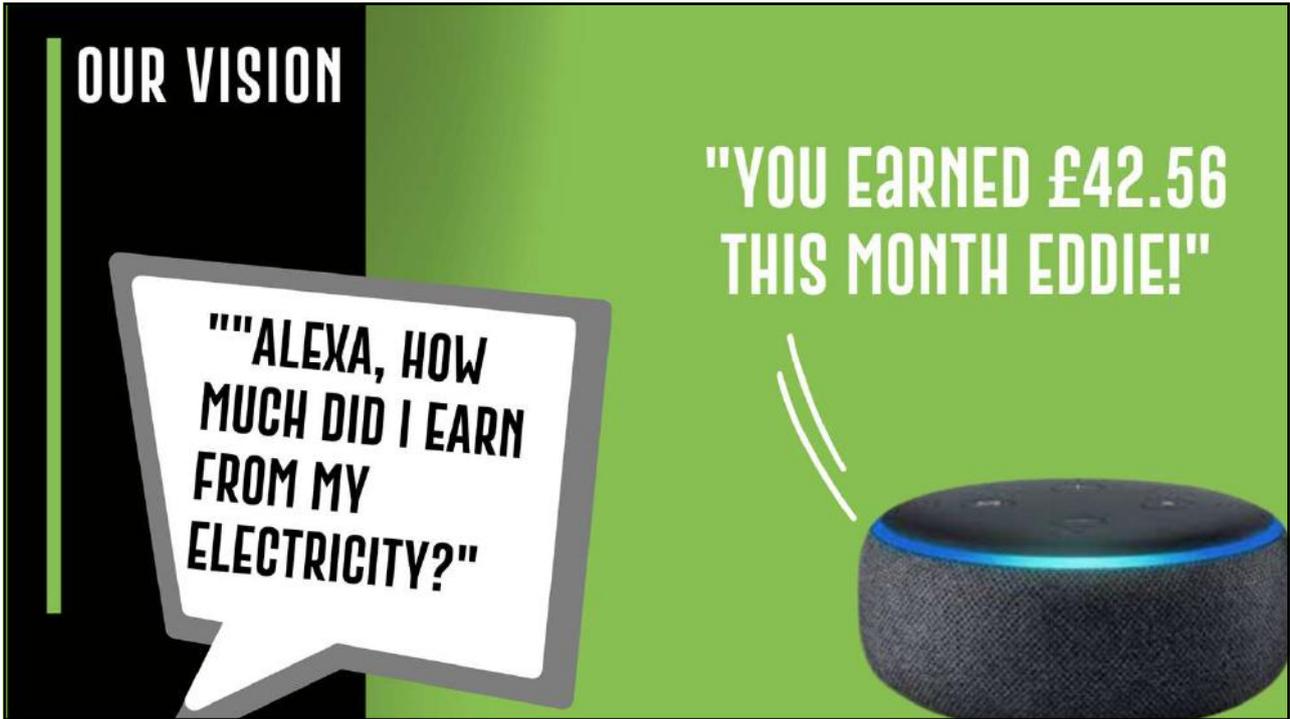
Payment information

Thank you for paying by direct debit. Payment(s) will be collected from your bank as agreed.

Your discount for this bill is £ 1.35

Average daily use (units)
This period: 17 units
Same period last year: 21 units

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Emer Rafferty
Global '30 Under 30' Environmental Educator
The View from Gen Z

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The View From Gen Z- Emer Rafferty

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How do we feel when not enough action is being taken?

ECO-ANXIETY

ECO-ANGER

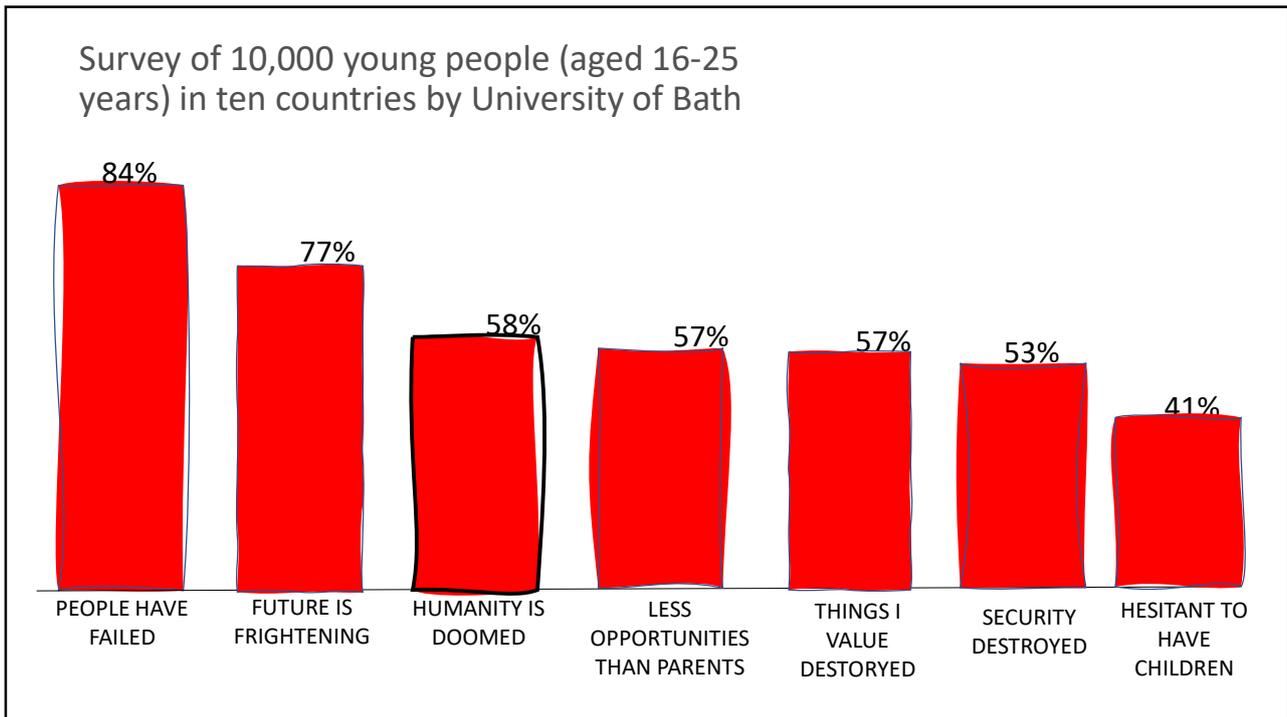
POWERLESS

DISHEARTENED

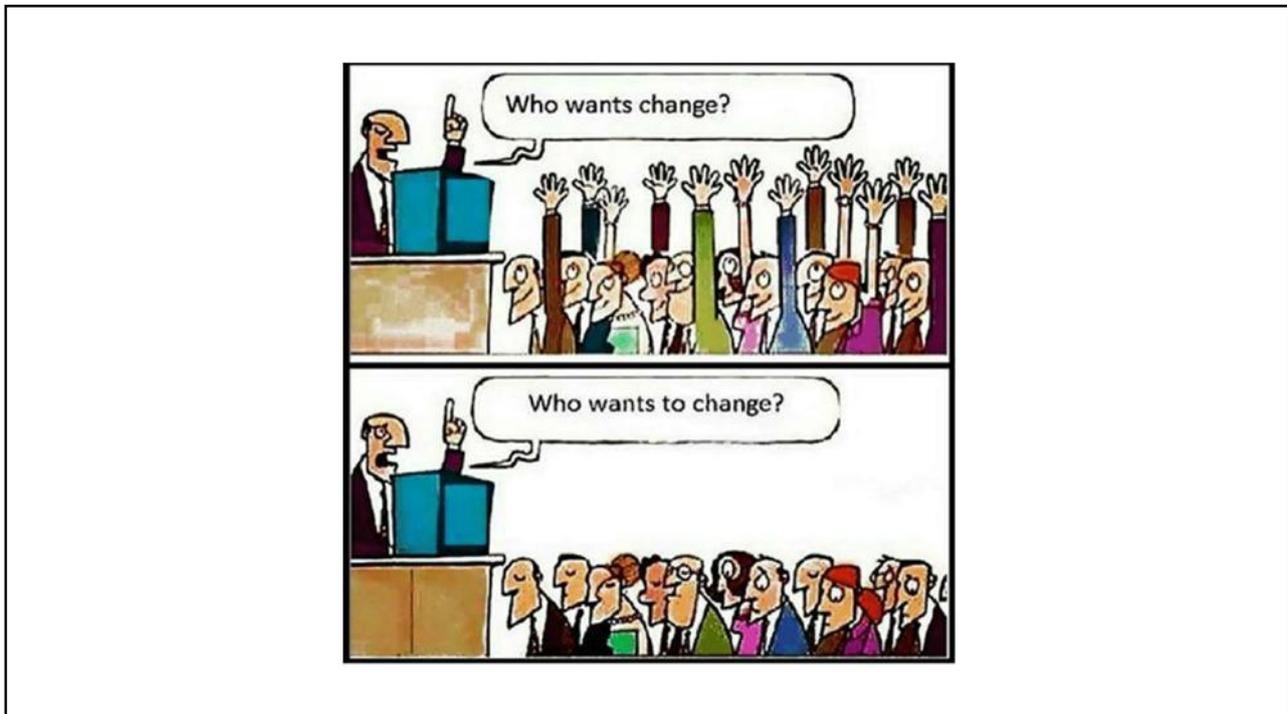
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FRUSTRATED

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How do we feel when we see Climate Action?



COURAGEOUS
INSPIRED
DARING
HOPEFUL
DETERMINED

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Covid Crisis and Climate Crisis



Same request

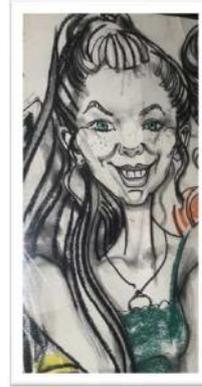


Different generation

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Who are the Real Leaders ?

Words Vs Action –
which one gets the
job done?



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What would Gen Z like you to do? Call to Action

1. **Say no to waste – embrace the circular economy**
2. **Use renewable energy**
3. **Plant trees**
4. **Eat healthy food**
5. **Be ambitious, innovative and collaborative!**

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In the last 8 minutes:

11.5 million tons - of melting ice

(The World Count)

8 soccer pitches - Amazon rainforest cleared (BBC)

1522 - marine animals deaths due to ocean plastic (WWF)



The Countdown is on!

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“Cherish the natural world, because you are part of it and you depend on it”

— David Attenborough

