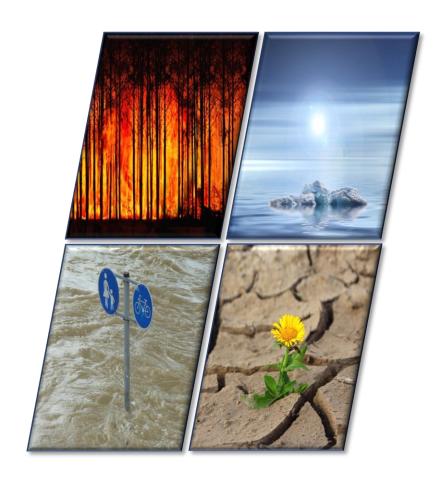
# REN&ZERO

## Renfrewshire's Plan for Net Zero

### WHAT IS CLIMATE CHANGE?

## CLIMATE CHANGE REFERS TO THE CHANGES IN AVERAGE TEMPERATURES AND WEATHER CONDITIONS IN A REGION OVER MANY YEARS

- ➤ the increased concentration of greenhouse gases in the earth's atmosphere is directly linked to the rise in average global temperatures on earth and is resulting in global climate change
- since the industrial revolution, levels of carbon dioxide (CO<sub>2</sub>) have spiked rapidly
- global surface temperature has increased faster since 1970 than in any other 50-year period over at least the last 2,000 years resulting in more severe and more frequent extreme weather events such as heatwaves, droughts, flooding and wildfires



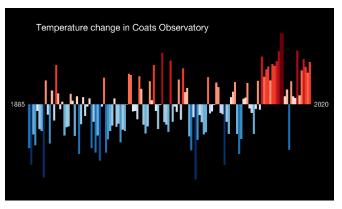


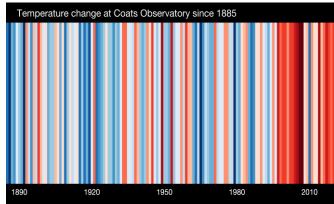
## PAISLEY'S CLIMATE STRIPES: LOCAL IMPACTS OF CLIMATE CHANGE

## THE COATS OBSERVATORY IN PAISLEY OPENED IN 1883 AND INCLUDES A WEATHER STATION THAT HAS BEEN RECORDING LOCAL WEATHER DAILY FROM 1885

provides us with an unbroken record of weather data, including average local weather temperatures for each year since 1885

from this data, Paisley's Climate Stripes were created – this shows the progressive heating of our local area in a single image



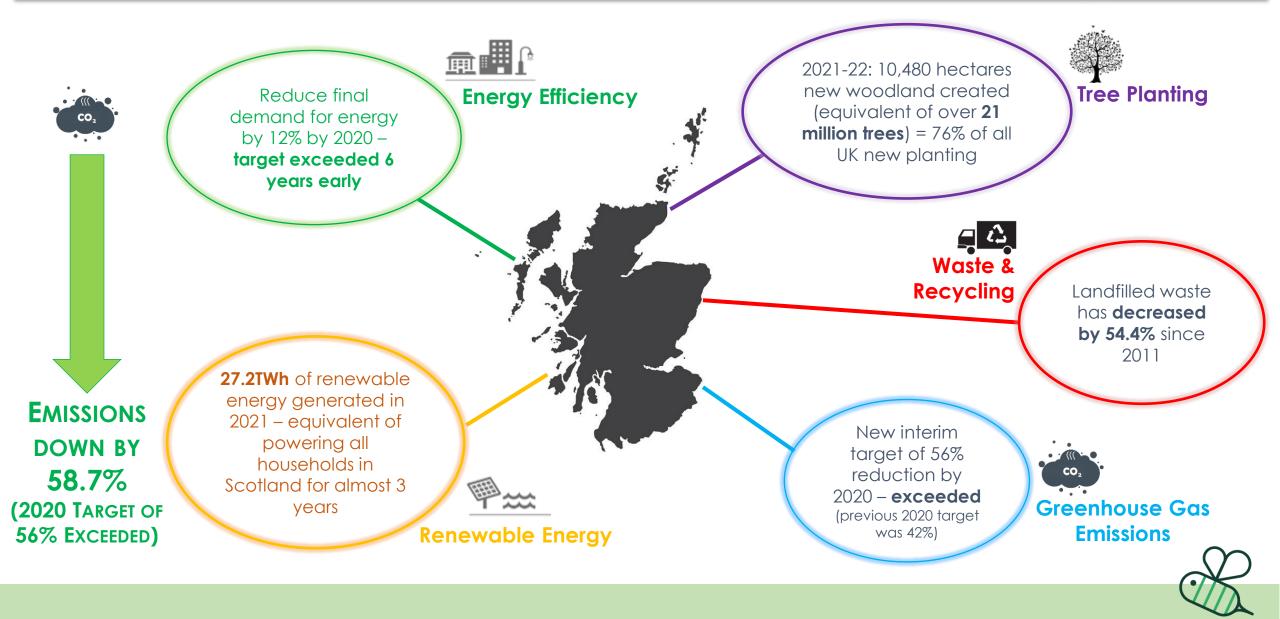


Coats Observatory average local temperature, 1885 to March 2020

THE CLIMATE STRIPES CLEARLY HIGHLIGHT HOW AVERAGE TEMPERATURES HAVE RISEN IN OUR LOCAL AREA AND THAT THIS HAS BECOME MORE FREQUENT & EXTREME IN THE LAST 25 YEARS



## SCOTLAND'S CLIMATE ACTION: PROGRESS & ACHIEVEMENTS SO FAR





## RENFREWSHIRE'S PLAN FOR NET ZERO

WORKING TOWARDS NET ZERO BY 2030 FOR THE WHOLE OF RENFREWSHIRE TO ENSURE A SAFER, HEALTHIER, GREENER AND FAIRER PLACE FOR EVERYONE TO LIVE, WORK AND SPEND TIME IN





## **Going Net Zero:**

Reducing greenhouse gas emissions to nearly zero – from our buildings, travel, industry, resource use and purchases





















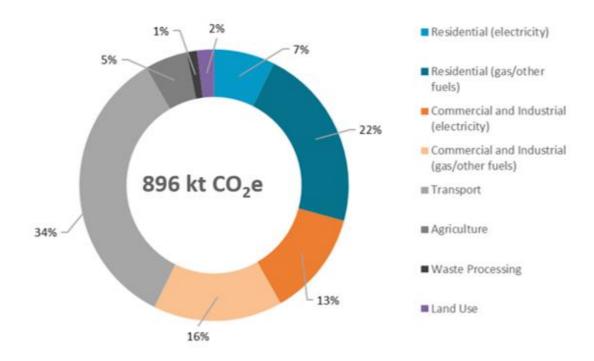




### **EVIDENCE BASE: EMISSIONS BASELINING**

## WE ARE COMMITTED TO WORKING TOWARDS NET ZERO EMISSIONS. IN ORDER TO WORK COLLECTIVELY TO REDUCE EMISSIONS, IT IS IMPORTANT TO KNOW WHERE WE ARE STARTING FROM AS AN EVIDENCE BASE

#### **Area-Wide Emissions Breakdown**



#### **Key Findings - Area-Wide:**

- Data shows transport is currently the biggest source of emissions in Renfrewshire at 34%
- > Residential energy: 29%
- Commercial and Industrial energy: 29%

#### **Key Findings – Renfrewshire Council:**

- Renfrewshire Council makes up 2.5% of the total area emissions
- Buildings we are responsible for: 67%
- Council Fleet: 17.3%

IN ORDER TO PRIORITISE ACTION, IT IS CRITICAL TO IDENTIFY KEY SOURCES OF EMISSIONS TO BE TARGETED, TO ENABLE US TO MONITOR PROGRESS USING AN OPEN AND TRANSPARENT PROCESS



## RENFREWSHIRE'S PLAN FOR NET ZERO

## WORKING TOWARDS NET ZERO BY 2030: WE WANT TO END RENFREWSHIRE'S CONTRIBUTION TO CLIMATE CHANGE WITHIN A GENERATION

SUSTAINABLE

ENERGY

RENEREWSHIRE'S

PLAN FOR NET

**ZERO** 

SUSTAINABLE

TRANSPORT

RESILIENT

PLACE

We will optimise biodiversity and nature locally to enhance our natural environment and maximise green economic opportunities, while planning and preparing for impacts of climate change

We will minimise energy demand, maximise energy efficiency and transform our energy systems to deliver clean, affordable energy for all

We will maximise sustainable transport opportunities to deliver an inclusive, affordable transport system that provides choice for all

We will empower our communities by ensuring an inclusive and just transition to net zero with social justice and health and wellbeing at its core for current and future generations

CONNECTED CIRCULAR ECONOMY

We will make Renfrewshire a circular economy society: minimising waste & maximising reuse, recycling & recovery of resources rather than treating them as waste

THE PLAN IS COUNCIL-LED BUT IS FOR THE AREA AS A WHOLE AND WE NEED EVERYONE TO PARTICIPATE TO ACHIEVE OUR AMBITIONS

## RENFREWSHIRE'S PLAN FOR NET ZERO: THE GROUNDWORK

Renfrewshire Council declared a climate emergency in June 2019 and are committed to working towards net zero emissions by 2030

Renfrewshire Council: 56% emissions reduction 2012/13 to 2021-22 Ongoing work as an organisation to lead by example and reduce emissions

Cross-party working group
Climate Change Sub-Committee (now Planning
and Climate Change Policy Board)
£1M Climate Action Fund

PLAN FOR
NET ZERO:
WHERE WE'RE STARTING
FROM (BASELINE), OUR
TARGET (NET ZERO BY
2030) & HOW WE'RE

COMMUNITY

CLIMATE ACTION FUND

GOING TO GET THERE
(ACTIONS)

**BASELINING** 

Residents: led to Climate Panel
Representative group: 4 cycles to date
(am and pm)
Spotlight sessions as well as discussions to
shape Plan for Net Zero

Youth: Cop26 Ambassadors

Baseline emissions: where we started; where we are now; and trajectory to 2030 for the Council as an organisation and the area as a whole

£50K total (awards of up to £3K): 18 projects across all areas and all themes





## How Can I Get Involved?









- Renfrewshire's Plan for Net Zero: input, comments, ideas sharing
- Ren Zero branding
- Support for local residents advice, signposting, support schemes
- Support for local groups talks, signposting
- Support for local businesses <u>survey</u>, grant fund
- Chat to us!

## REN&ZERO

# For more information contact: Roz Smith, Climate Emergency Lead Officer roz.smith@renfrewshire.gov.uk #RenZero