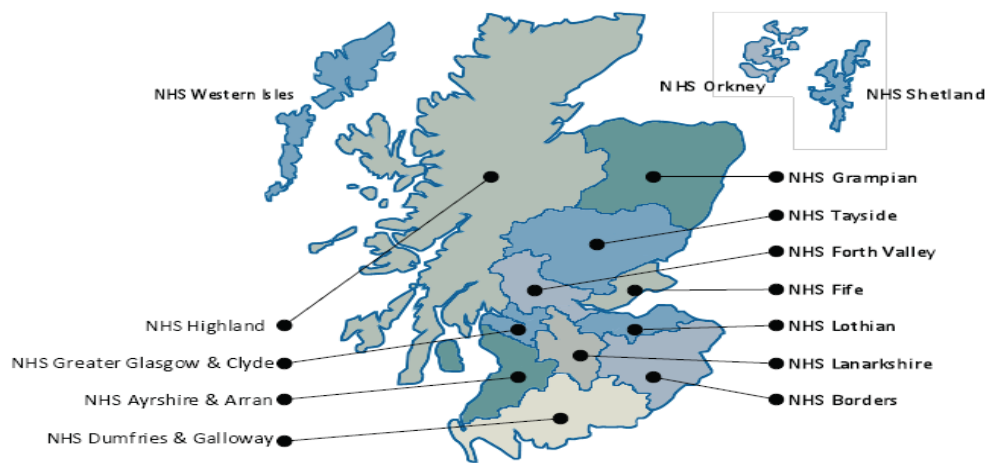


Sustainability Progress over the Decade : A Perspective from the NHS

Presentation to
EAUC
Conference:
16 October 2018

The NHSScotland Estate

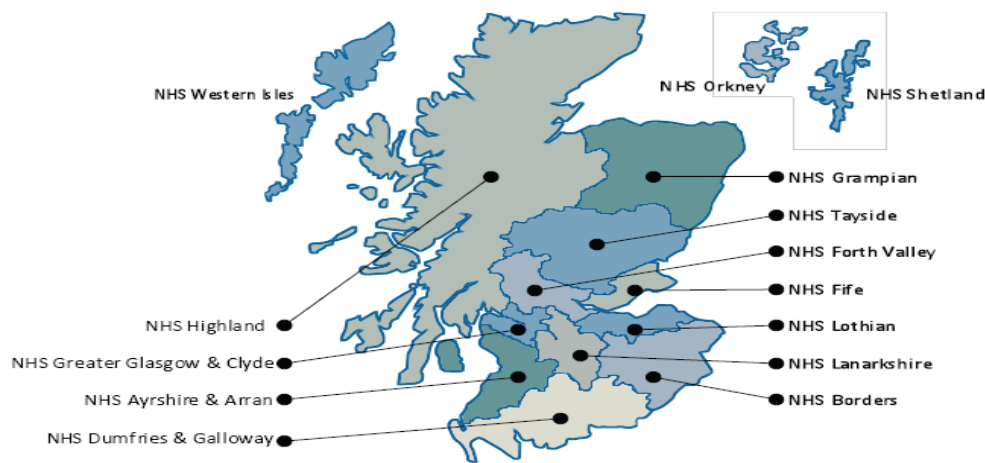


Special NHS Boards

NHS Education for Scotland	NHS Health Scotland
NHS National Services Scotland ¹	NHS National Waiting Times Centre (Golden Jubilee)
Healthcare Improvement Scotland	NHS 24
Scottish Ambulance Service	The State Hospitals Board for Scotland

c. 4.6M m² estate
c. 1,500 buildings – c 200
hospitals
>150,000 staff (6% of
Scotland's workforce)

The NHSScotland Estate



Special NHS Boards

NHS Education for Scotland	NHS Health Scotland
NHS National Services Scotland ¹	NHS National Waiting Times Centre (Golden Jubilee)
Healthcare Improvement Scotland	NHS 24
Scottish Ambulance Service	The State Hospitals Board for Scotland

2017/18 Energy Statistics:
c. 2million MWh energy consumption
c. >445,000 tCO₂e
c. £92.4M (excluding CRC and EU ETS)
c. 1% of Scotland's overall GHG emissions

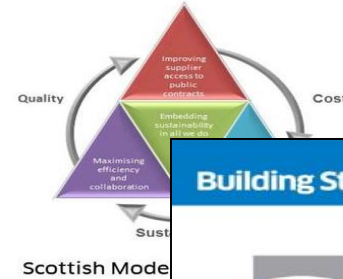
Drivers for Change

CLIMATE CHANGE PLAN
The Third Report on Proposals
and Policies 2018-2032
February 2018



Climate Change Act 2008

Scottish Procurement



Building Standards

Sustainability



Building / Development:

Building Warrant Reference:

Date:
5 May 2011

Building Standards Division's Technical Handbooks
Contain detailed guidance on the measures to achieve the levels within each aspect of sustainability. See Building Standards pages on www.scotland.gov.uk

This statement of sustainability for a new building must be fixed within the building in accordance with standard 7.1.

At completion, the building achieved the specified level of sustainability in the aspects below.



Platinum
Gold Partly Achieved
Silver Achieved
Silver Active Achieved by use of the following technology: water turbines
Bronze Sections 1-6, 2010 Standards

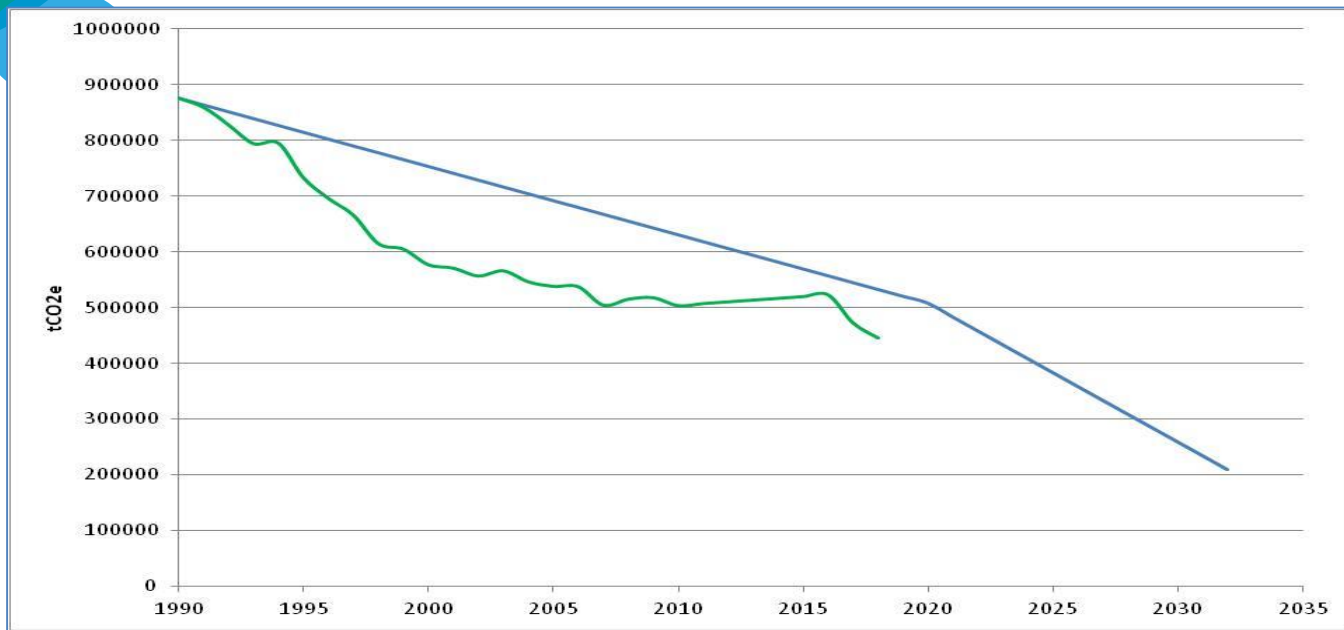
Drivers for Change

Climate change is the biggest global health threat of the 21st century.”

UCL-Lancet Commission on Managing the Health Effects of Climate Change, 2009

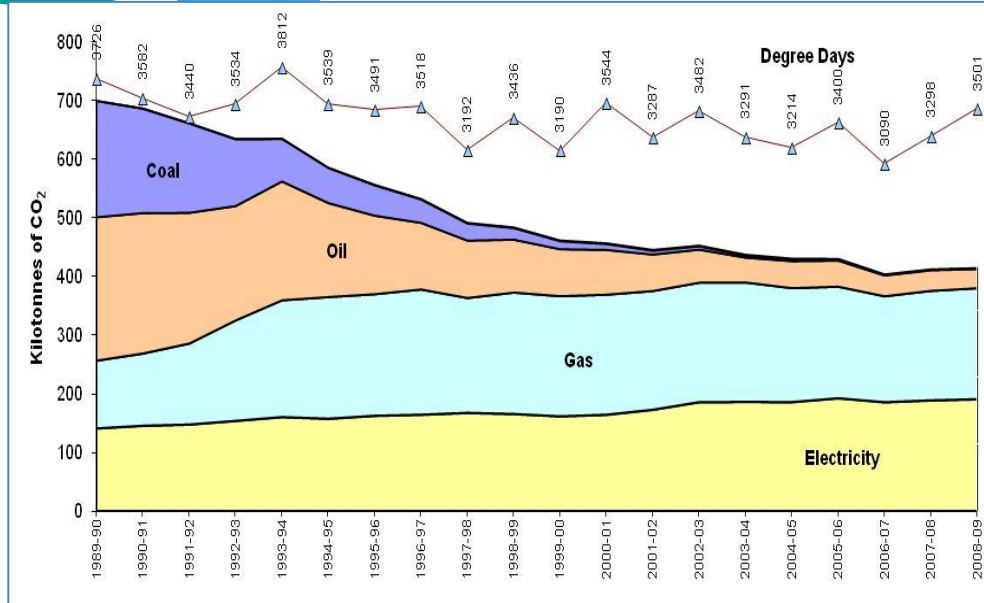


What's the ask?



Since 1990, energy consumption down >38% and CO2 down >49%
Last 10 years, energy down >3% and CO2 down >15%

How Have We Done it?



Coal

Oil

Gas

Biomass

How Have We Done it?



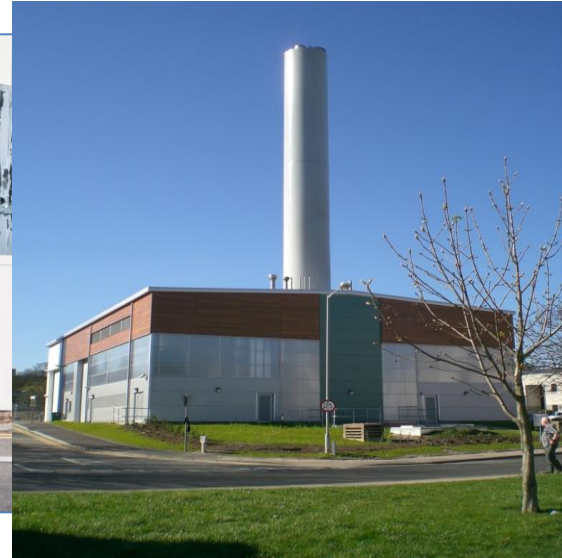
T12

T8

T5

LED

How Have We Done it?



Conventional

High efficiency gas
oil

Gas condensing

Combined Heat &
Power

How Have We Done it?



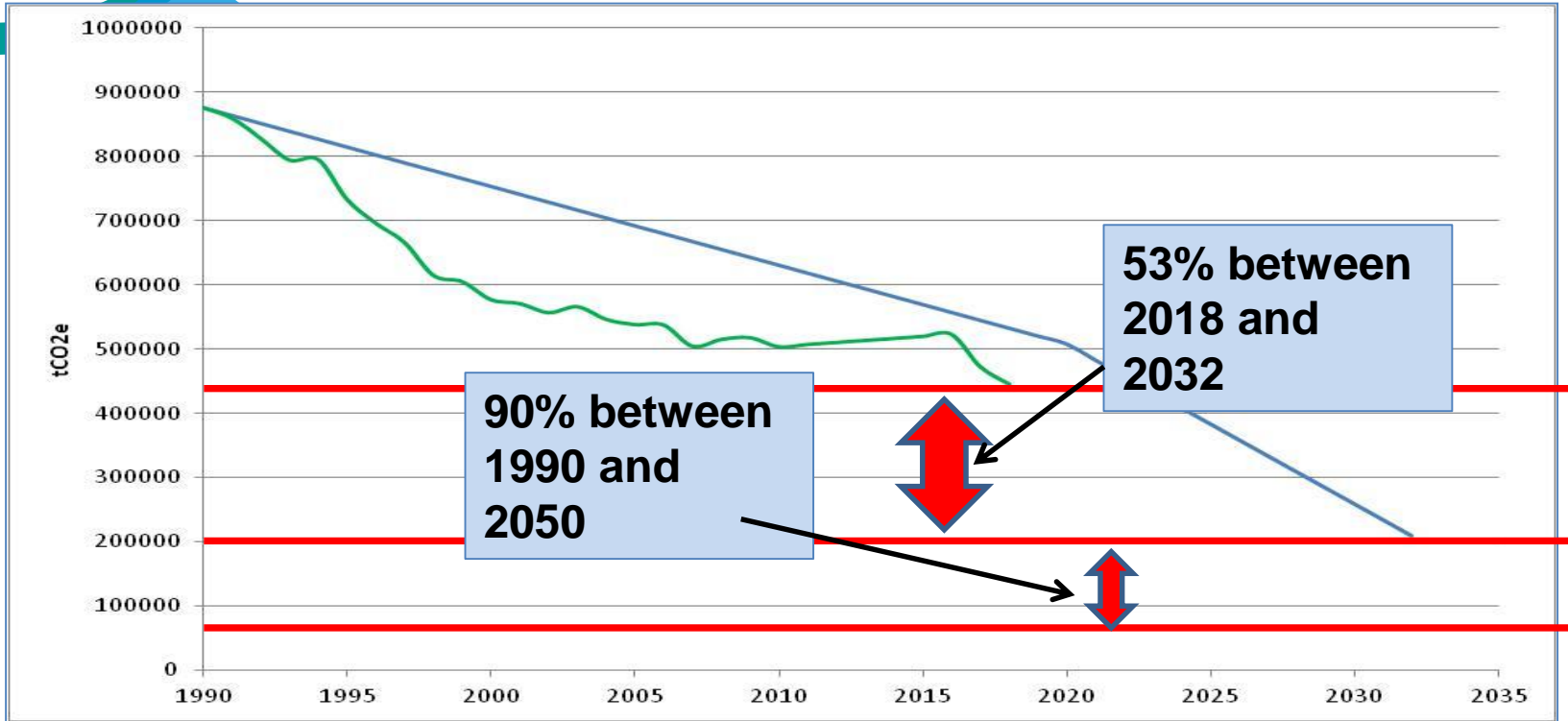
Building standards

NEAT

BREEAM Excellent

Low Carbon

Where now?



How Will We Get There?



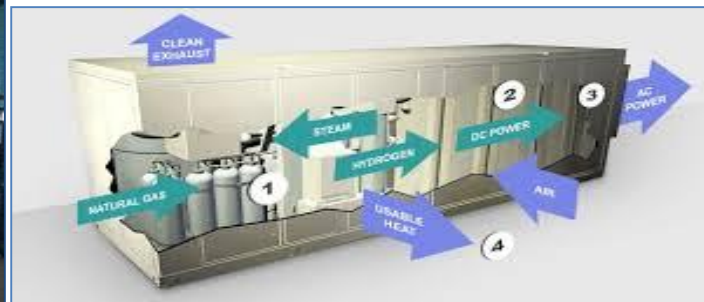
District heating

Renewable heat

Renewable
electricity

Hydrogen

How Will We Get There?



CHP

Heat Pumps

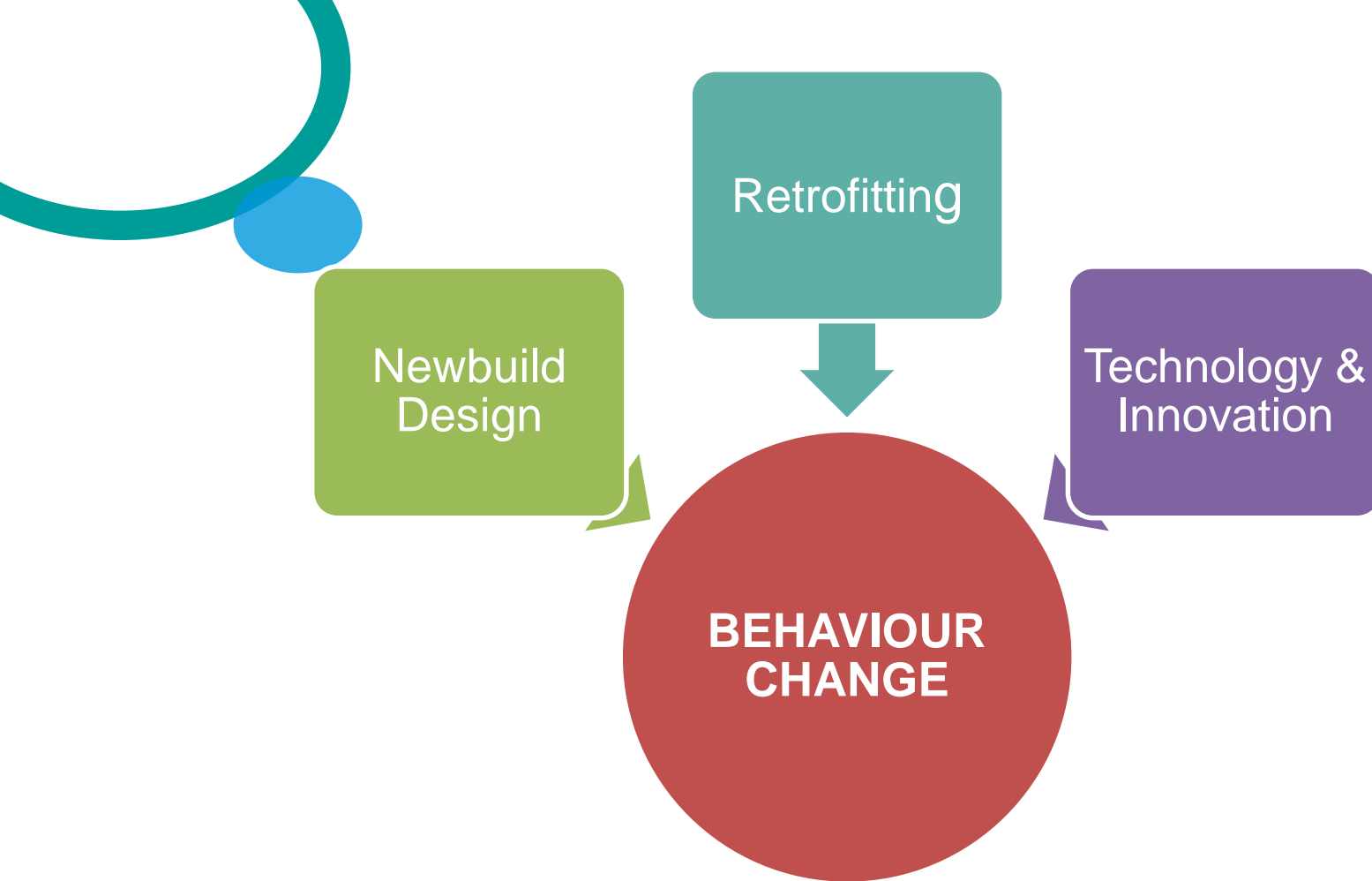
Waste heat
recovery

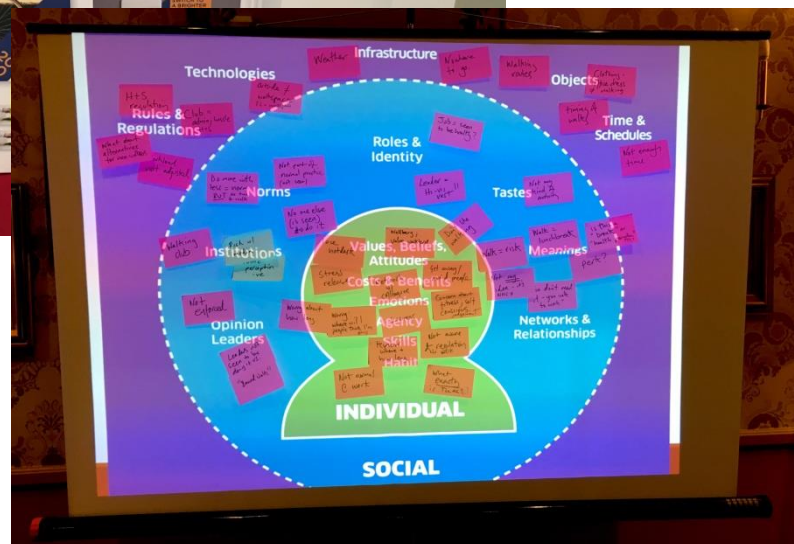
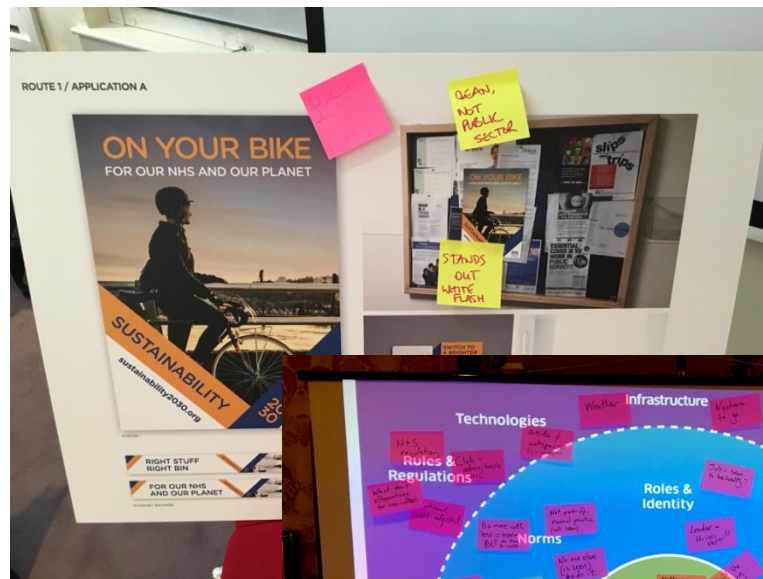
Hydrogen fuel
cells

How Will We Get There?



Zero Carbon
Buildings





SUSTAINABILITY **ACTION**

Our NHS **Our People** Our Planet

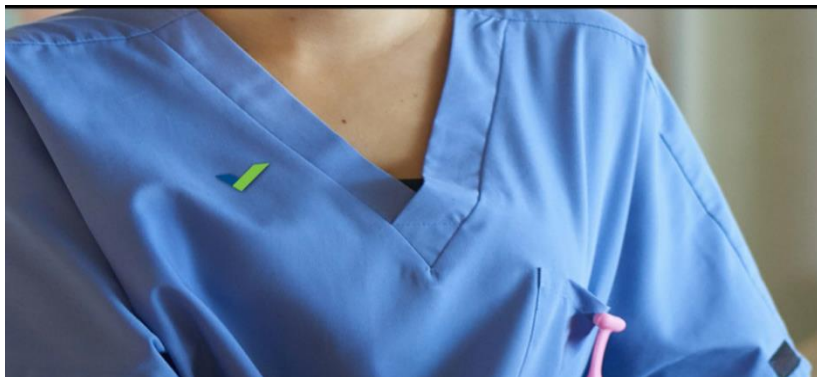


Our NHS Our People Our Planet

**LITTLE CHANGES CAN
MAKE A BIG DIFFERENCE.**

Together we can create
a **better NHSScotland.**

NHS



MIXED RECYCLING PLEASE

**STILL NOT SURE?
CHECK OUT THE POSTERS
ABOVE THE BINS**

Our NHS Our People Our Planet



CLIMATE WEEK 2019

1ST – 7TH OCTOBER

NHS
SCOTLAND

A health opportunity.....



“ Tackling climate change could be the greatest global health opportunity of the 21st century.”

Lancet Commission on
Health Effects and Climate
Change, 2015

Thank you.

k.dapre@nhs.net

Kathryn Dapré
Head of Energy & Sustainability