Towards a low carbon economy for Scotland

Colin Imrie

Deputy Director Energy Markets Division

The Scottish Government

Overview

- The vision: a low carbon Scottish economy
- Scotland's Low Carbon Strategy – a framework aligning delivery across the public & private sectors
- Dimensions of the low carbon transition
- Scotland's low carbon economic opportunities
  - Renewable energy
  - Environmental and clean technologies
  - Key Sectors & other growth industries
  - Business resource efficiency
  - Enablers: innovation, investment, skills, procurement ….
- Next steps

The Scottish Government

A *VISION* for Scotland

a **GLOBALLY COMPETITIVE** low carbon economy

where businesses and people **PROSPER**

within **ENVIRONMENTAL** limits

In making the low carbon transition

…but the global
GREEN RACE is on

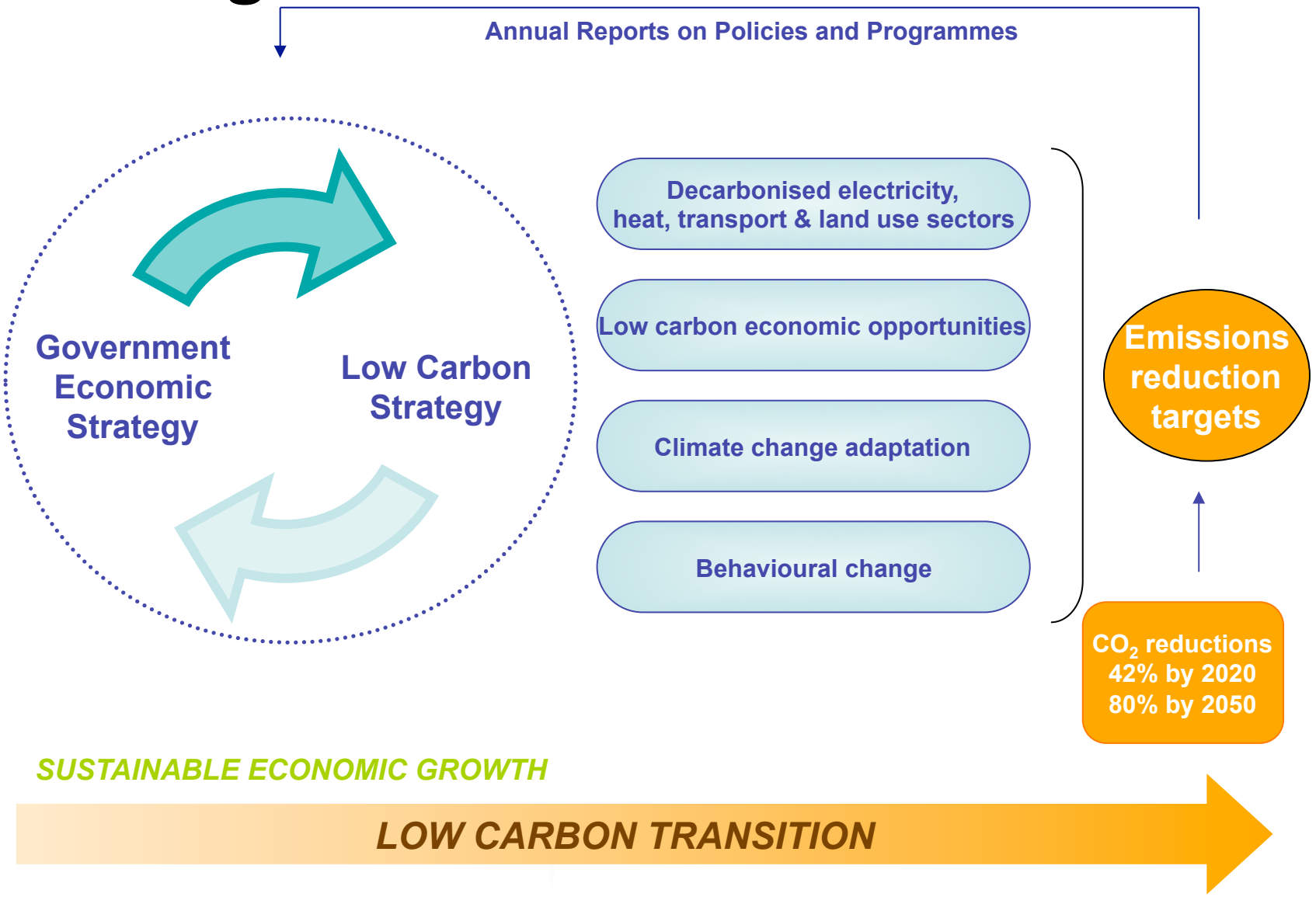
Two main business opportunities

low carbon
technology

low carbon
approach

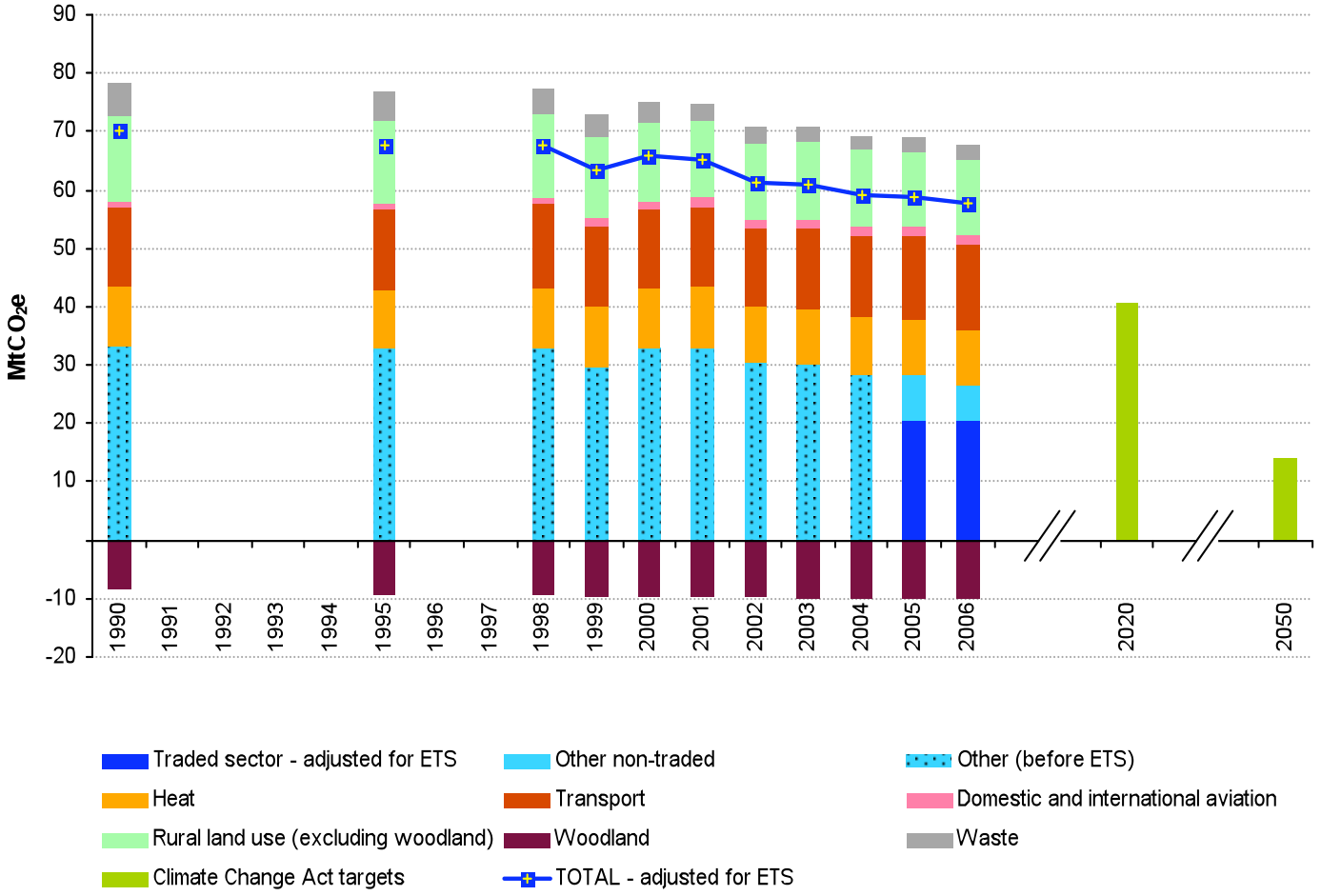
… BUSINESS AS USUAL is not an option

A strategic framework



… to help align delivery across the public sector

The world will change … radically



The Scottish Government

Dimensions of the low carbon transition

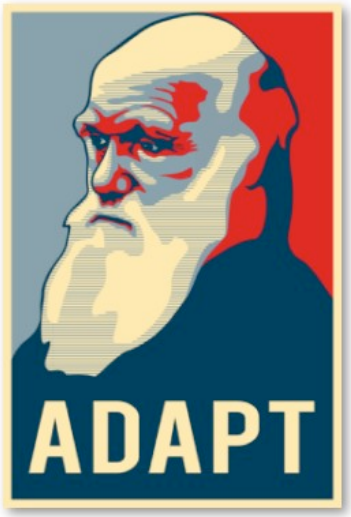
Leadership

Early adoption

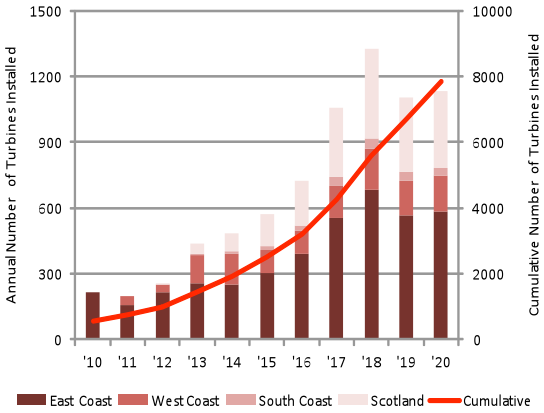
Energy efficiency

Investment

Innovation

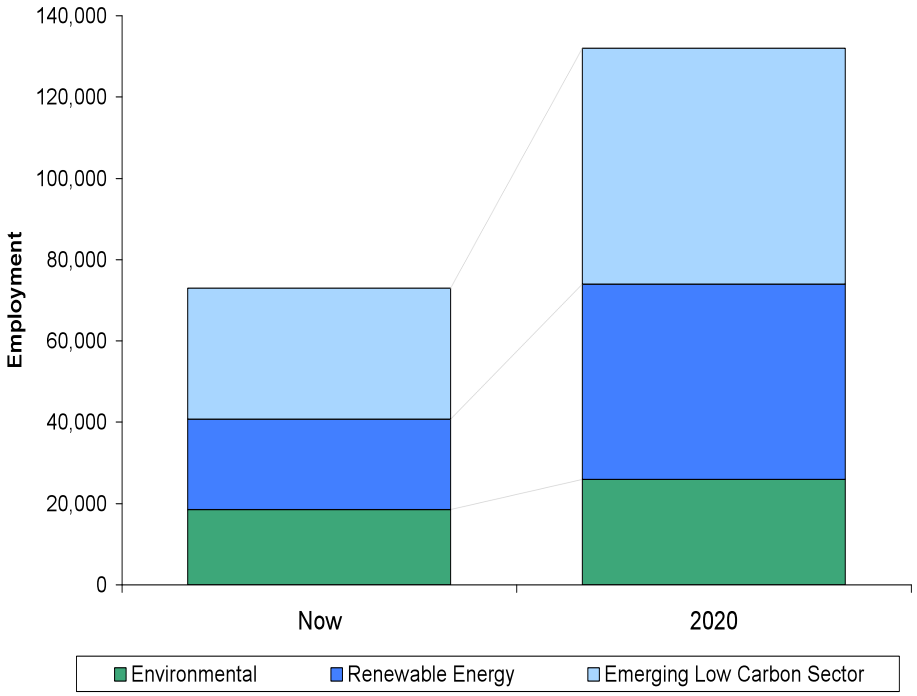


Energy

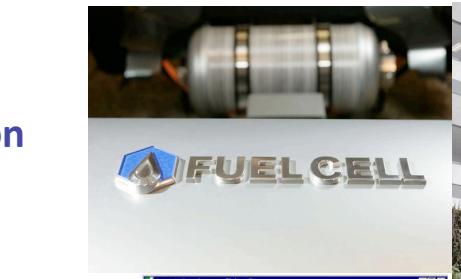

1500
1200
900
600
300
0
Annual Number of Turbines Installed
10000
8000
6000
4000
2000
0
Cumulative Number of Turbines Installed
'10
'11
'12
'13
'14
'15
'16
'17
'18
'19
'20
East Coast
West Coast
South Coast
Scotland
Cumulative

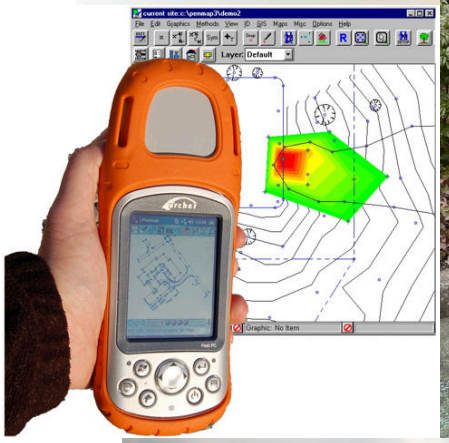
Environmental & Clean Technologies

- **Sustainable transport**
- **Sustainable buildings**
- **Environmental monitoring and instrumentation**
- **Water & waste water treatment**
- **Recovery & recycling**



Forecast employment growth (2010-2020),
Scottish Low Carbon & Environmental Goods Sector





Key Sectors & other growth industries

Business resource efficiency

to increase **PROFIT**

by building leadership, awareness & capacity …

Business resource efficiency

… & using less:

energy

water

waste

& materials

Enabling factors

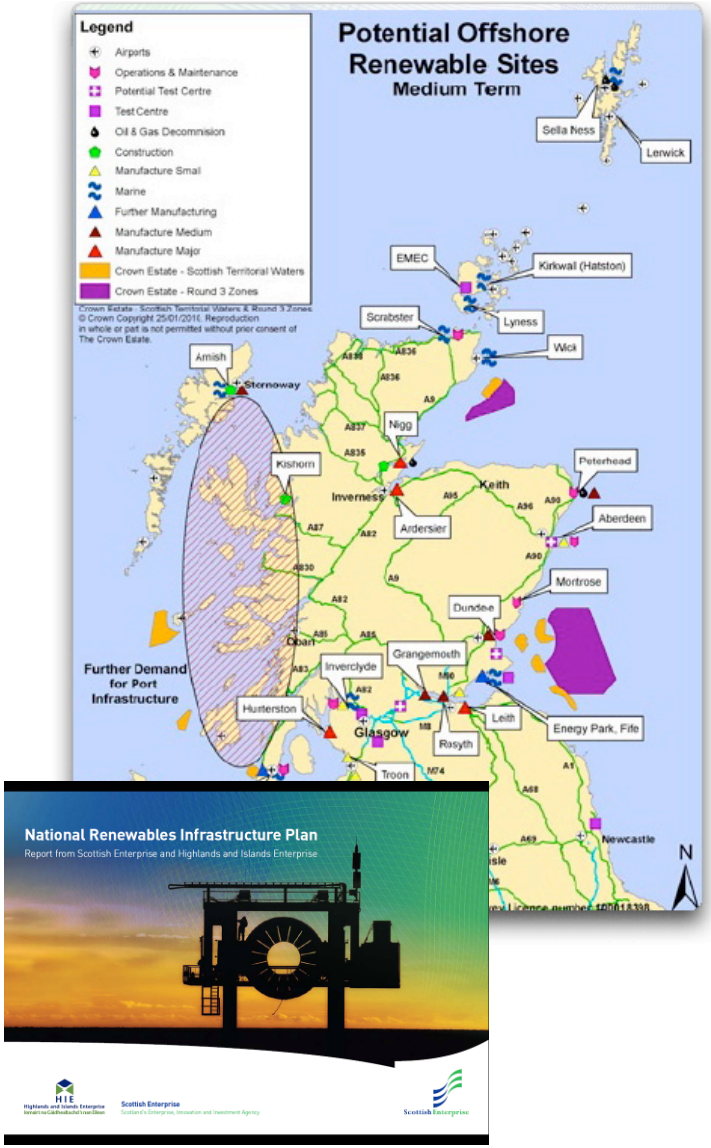
Investment

Leadership & Skills

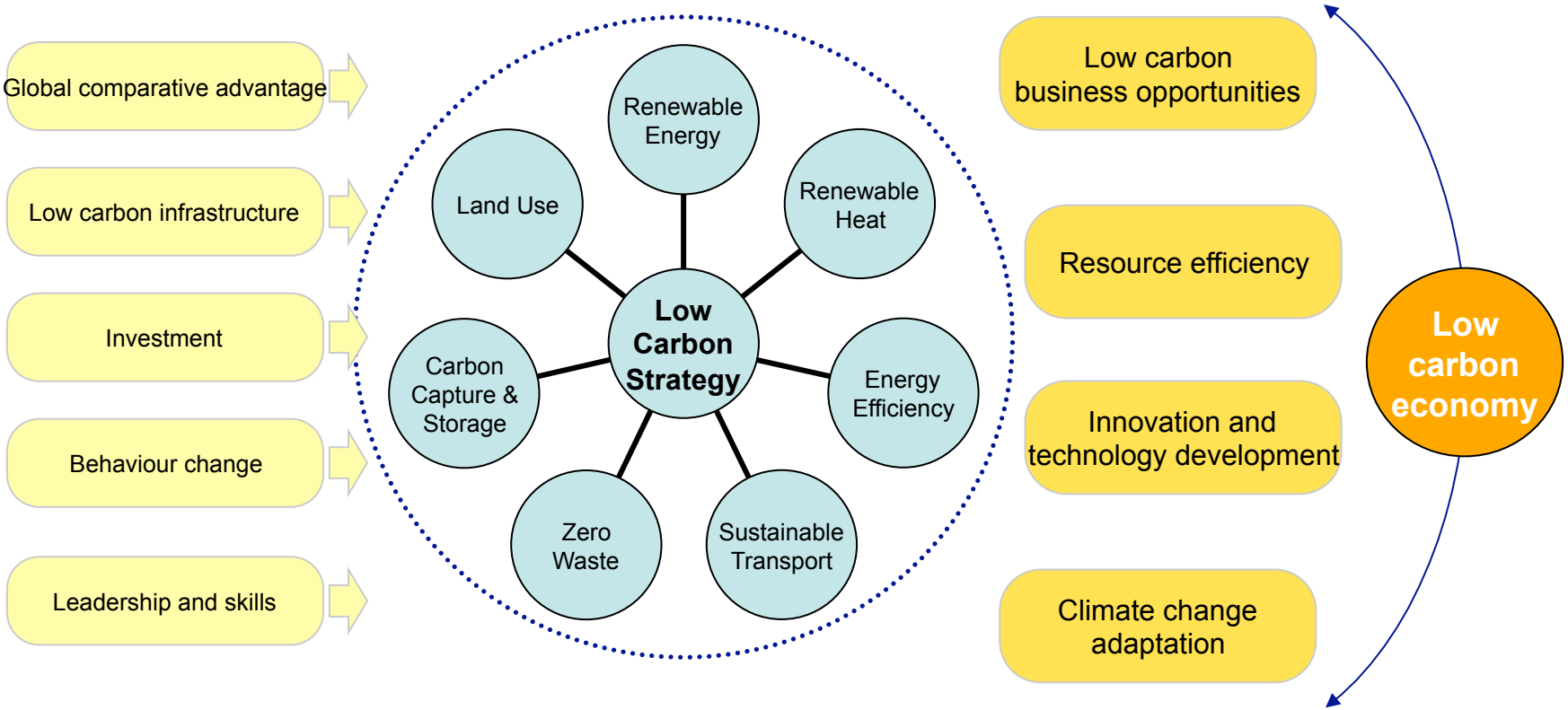
Innovation

Procurement

Infrastructure

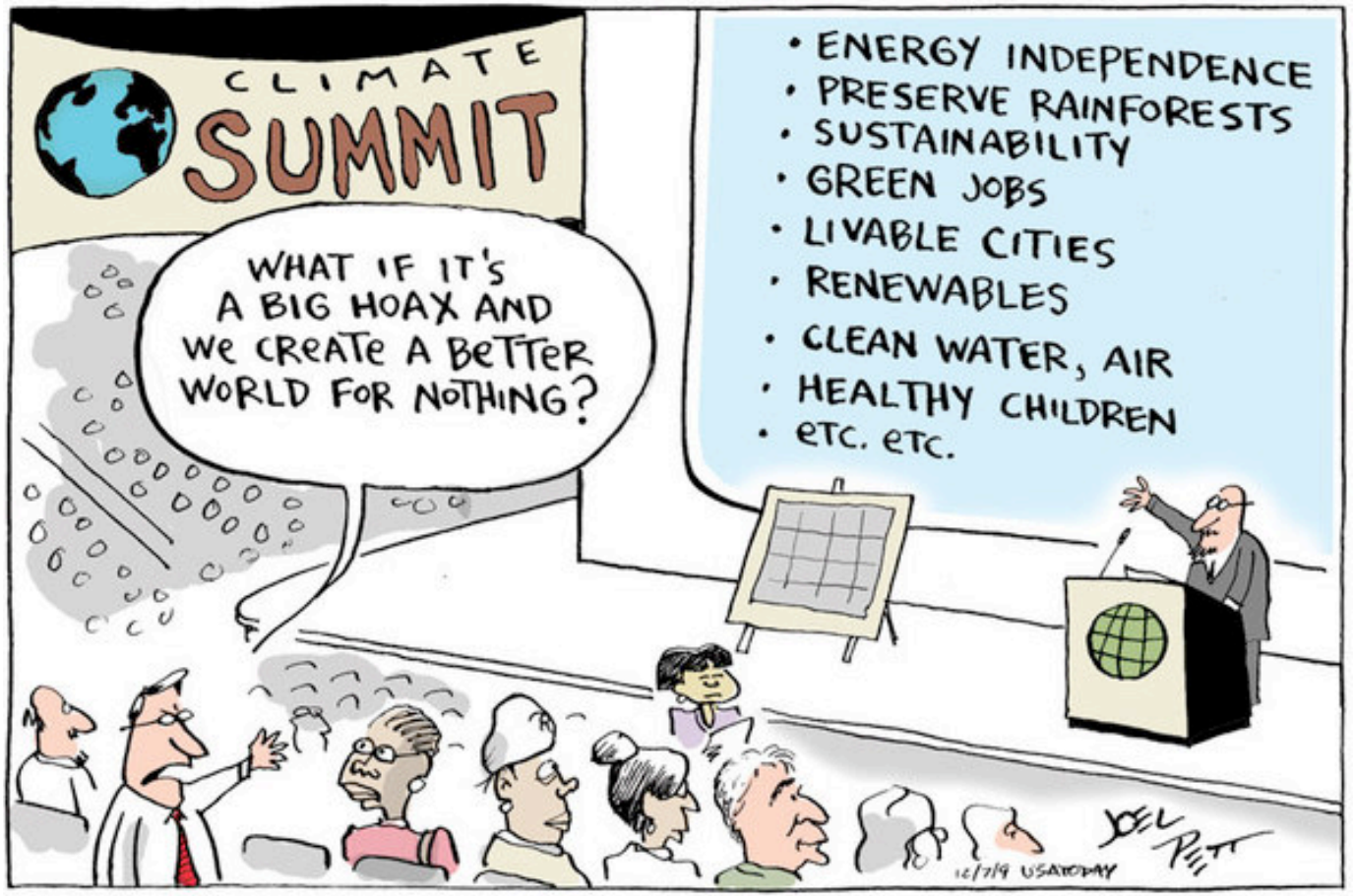


Delivering the vision is vital



Success underpinned by: **Leadership – Ambition – Focus - Alignment**

Why wouldn’t you ?



The Scottish Government

Next steps

- Consultation process until 30 June, including discussions by:
  - Strategic Forum and Joint Working Group
  - individual Strategic Forum partners
  - SLAED
  - UK Business Council for Sustainable Development
  - 2020 Group
  - Public Sector Climate Action Group
  - etc.

- Low Carbon Strategy launched Autumn

- Delivery !

The Scottish Government

Discussion questions

1. Does the low carbon economic vision provide a compelling rationale to influence new responses by the public and private sectors ?
   - *How can it be improved ?*

2. What are the key low carbon economic opportunities for businesses, industries and Scotland's economy as a whole ?
   - *What are the priorities over the next five years ?*

3. How should the Scottish Government and wider public sector join up to best support business to exploit low carbon opportunities ?
   - *What is your organisation's specific role in supporting the low carbon transition ?*

The Scottish Government