

Report of the Strategic Director

THE TEN POINT PLAN FOR A GREEN INDUSTRIAL REVOLUTION1. Purpose of report

To update Members on 'The Ten Point Plan for a Green Industrial Revolution'.

2. Background

On 18 November 2020 the Government published 'The Ten Point Plan for a Green Industrial Revolution'. In addition to creating and supporting new jobs the plan is also intended to act as a blueprint for the UK to achieve net zero by 2050.

The Ten Point Plan covers several interconnected areas ranging from clean energy through to innovative technologies. It will mobilise billions of pounds of Government investment and it is envisioned that it will spur over three times as much private sector investment by 2030.

Further information on the Ten Point Plan is shown in the appendix.

3. Financial implications

There are no financial implications at this stage. Technology, funding and investment is changing rapidly. The Council will continue to monitor the arrangements nationally and work to take advantage where possible of the activities contained within the Government's 'Ten Point Plan for a Green Industrial Revolution'.

Recommendation

The Committee is asked to NOTE the report

Background papers

Nil

APPENDIX

1, The Ten Point Plan

An overview of the ten activity points within the plan together with their associated impacts are shown in the table below.

| Activity | Policy Impacts |
|---|---|
| Advancing Offshore Wind | By 2030 the UK should produce enough offshore wind to generate more power than all our homes use today. In order to achieve this the amount of offshore wind produced will be quadrupled to 40GW and supported by £160 million investment in infrastructure. A projection of 60,000 jobs will be created and around £20 billion of private investment will be attracted into the sector. |
| Driving the Growth of Low Carbon Hydrogen | Working in conjunction with industry, it is the Government's ambition that the UK should generate 5GW of low carbon hydrogen production capacity by 2030. In addition, Government are looking to develop the first town heated entirely by hydrogen by the end of the decade. Around 8000 jobs will be created by 2030 and supported by £240 million funding and over £4 billion of private investment. |
| Delivering New and Advanced Nuclear Power | Government will look to advance nuclear as a clean energy source. This will be achieved not only through large scale nuclear projects, but also through the development of a new generation of small and advanced reactors. This could support up to 10,000 jobs. |
| Accelerating the shift to zero emissions vehicles | Government will support car manufacturers to accelerate the transition to electric vehicles. From 2030 the sale of new petrol and diesel cars and vans will be ended though the sale of hybrids will be extended for 5 years with 100% zero emission from 2035. Government has committed to £1 billion to support the electrification of UK vehicles and their supply chain including development gigafactories to produce the batteries needed at scale. The first £500 million of investment will be in this parliament. A further £1.3 billion will be invested on the roll out of charging infrastructure targeting support on rapid charge points on motorways and major roads as well as on-street charge points near homes and workplaces. A further £582 million will be available to extend the 'Plug-In' grants to 2022/23. A consultation exercise will be undertaken in 2021 on the phasing out of new diesel heavy goods vehicles (HGV) with £20 million investment in 2021 in freight trials in hydrogen and other zero emission lorries. The measures will support around 40,000 new jobs by 2030 and will attract around £3 billion in private investment by 2026. |
| Green Public Transport, | Government will look to make cycling and walking more |

| Activity | Policy Impacts |
|---|--|
| Cycling and Walking | attractive ways to travel including the creation of new cycle lanes and creation of more low-traffic neighbourhoods. In 2021 £120 million will be released as investment in thousands of zero-emission buses. Investment will be released to increase the electrification of the railway lines. Up to 3000 jobs will be created by 2025 with £5 billion of Government investment in this parliament. |
| Jet zero and green ships | Government will support the greening of difficult-to-decarbonise industries through research projects for zero-emission planes and ships. Up to 5,200 jobs supported by the production of Sustainable Aviation Fuels. |
| Greener Buildings | It is Government's intention to make the UK's homes, schools and hospitals greener, warmer and more energy efficient. This programme of work will help create 50,000 jobs by 2030. A target has also been set for 600,000 heat pumps to be installed every year by 2028. An additional £1 billion in funding has been announced for various grant schemes together with around £11 billion of private investment expected in the 2020's. |
| Investing in carbon capture, usage and storage (CCUS) | The UK should become a world-leader in technology to capture, use and store carbon. A target has been set for developing CCUS technology in 4 'Superplaces' to capture 10Mt of carbon dioxide a year by 2030. CCUS technology captures carbon dioxide from power generation and other production processes and stores it deeply underground where it cannot enter the atmosphere. This will support around 50,000 jobs by 2030 with up to £1 billion of public investment by 2025. |
| Protecting our natural environment | It is Government's intention to protect and restore our natural environment with the creation of new National Parks and Areas of Outstanding Natural Beauty. The new sites will play a key part of the Government's commitment to protect and improve 30% of UK land by 2030. Landscape Recovery projects could create wildlife rich habitats areas the size of 30,000 football pitches. Up to 20,000 jobs from improving flood and coastal defences by 2027 with £5.2 billion investment and £40 million investment on jobs to help improve biodiversity and tackle climate change. |
| Green Finance and Innovation | Government will support the development of the cutting-edge green technologies needed to achieve net zero. Government will release £1 billion funding for net zero innovation together with £1 billion of matched funding and potentially £2.5 billion on private sector funding with the potential to create hundreds of thousands of jobs by 2030. |