Climate Change
Mitigation Action Plan
2016-2020

Department of Environment, Food and Agriculture
Rheynn Chymmltaght, Bee as Eirinys
Ministerial Foreword

Delivering our Climate Change Mitigation Strategy

As a globally responsible nation, Tynwald agreed a Climate Change Mitigation Strategy in 2016, outlining our steps towards the 2050 target to reduce greenhouse gas emissions by 80% compared to 1990 levels.

When our strategy was published we acknowledged the significant challenge faced with reducing our greenhouse gas emissions during the transition to a low carbon economy. Our focus in the first action plan 2016-2020 was to improve property energy efficiency and reduce the role of fossil fuels in both property heating and transport, whilst reducing demand wherever possible. We expected subsequent action plans to show an increase in electricity consumption, which in the short would be met from the existing gas power station, then subsequently would be met from low emission and sustainable sources, to complement existing facilities.

Decarbonisation of our power sector will likely occur in the mid-2030s and in the next few years we will need to start planning so that when existing fossil fuel generation capacity are decommissioned they will be replaced with low emission generation. When this occurs we will see a step change in reducing our emissions and benefit from the initial work in the property heating and transport sectors.

In many ways reducing our emissions by lowering our energy consumption saves money and often makes us more comfortable, healthy and profitable. Therefore, I strongly believe that energy efficiency and emissions reduction is a win-win for us, providing we are sensible how we go about it.

Although much work is still to be done, I am pleased to report on the progress of the first 5 year action plan. This action plan lays the foundations that will enable further progress in reducing emissions in later years and through subsequent action plans.

Our annual reports on greenhouse gas emissions are two years in arrear but clearly show no reduction in emissions. We will need to do more and will be shortly consulting on an action plan for 2020-2030.

Hon Geoffrey Boot
Minister for the Department of Environment, Food and Agriculture
CLIMATE CHANGE MITIGATION ACTION PLAN 2016-2020

KEY ACTIONS DELIVERED

BUILDINGS

- Energy efficiency scheme for low income households
- Affordable Housing Standards Design Guide
- Heat pump trial
- Revisions to Building Regulations consultation
- Advanced metering
- Trial near Zero Emission properties constructed

SURFACE TRANSPORT

- Active Travel strategy
- Electric Vehicle charging network
- Electric Vehicle tariff
- On demand bus service trials
- Future energy scenario working group
- Over 200 Electric Vehicles on the Island – double the 2016 number
CURRENT ADMINISTRATION

REDUCE EMISSIONS IN BUILDINGS

**ACTION**

1. Introduce means tested property energy efficiency support for domestic properties

2. Support the use of the 2016 Design Guide - Affordable Housing standards

3. Seek expressions of interest for participation in a trial to provide ‘air tightness’ surveys

4. Establish a working group to identify enhancements to planning, building control and other relevant legislation which will be required to deliver the 2050 targets

5. Development of incentives for the installation of biomass boilers and wood only burning stoves

6. Develop and launch a competition to design Near Zero Emissions Houses

7. Develop and launch a competition to create the most effective solutions for retrofitting properties to achieve Near Zero Emissions

8. Promote retro fit insulation and efficiency technology

9. Continue assessing the potential for energy saving and emissions reductions across the government estate

**STATUS**

Energy Efficiency Scheme grants available for low income households

IOM Affordable Housing Standards Design Guide (2016) still in use

To be done

Ongoing – Future Energy Scenario Working Group

To be done

No longer to be done as Near Zero Emissions properties have been constructed at several locations including Janet’s Corner and planned for Clagh Vane

To be planned for 2019

Ongoing – Energy Efficiency Scheme website

Ongoing – DoI Estates Shared Services hold monthly Energy Group meeting to take forward projects
## ACTION

10. Explore with local authorities ways to increase the amount of energy efficient public lighting systems

11. Develop further relationships with key non-governmental organisations who can contribute to the delivery of the Action Plan

## STATUS

Ongoing – MUA recommend LED lighting when replacing street lights

Ongoing – Working with delivery partners to assist with energy efficiency scheme and LED lighting initiative

### REDUCE EMISSIONS FROM SURFACE TRANSPORT

## ACTION

12. Increase the number and distribution of ‘fast’ (charge in 2 hours) electric vehicle charging points

13. Vehicle licence regime based on an initial point of sale levy (from 1st April 2019) commensurate with vehicle emissions

14. Commit to lowest practicable vehicle licence fee for Electric Vehicles until 2020

15. Increase use of cycles for journeys that would otherwise be made by private car

16. Increase the number and distribution of ‘fast’ (charge in 2 hours) electric vehicle charging points

## STATUS

Ongoing – MUA are investigating suitable locations for future ‘fast charge’ installations which need to be situated close to a sub-station

Ongoing – DoI recently consulted on Possible futures for car tax

Vehicles registered from 1st April 2010 will be charged duty based on CO2

DOI active travel strategy and Treasury benefit in kind exemption for cycle to work scheme

Ongoing – MUA are investigating suitable locations for future ‘fast charge’ installations which need to be situated close to a sub-station
### FOLLOWING ADMINISTRATION

#### REDUCE EMISSIONS IN BUILDINGS

**ACTION**

1. To explore the opportunities to install low emission heating systems

2. Appropriate changes to building control standards to achieve near zero emission homes

3. Explore the introduction of incentives to encourage the private rented sector to improve the energy performance of their properties.

4. Explore options to identify vulnerable people suffering ill health as a result of living in homes which are difficult to adequately heat and refer them to support services

5. Explore options for incentivising people to purchase the most energy efficient white goods.

6. The introduction of Energy Performance Certificates (EPCs)

7. The use of community benefit funds from potential large renewable energy projects to fund energy efficiency improvements in domestic homes

**STATUS**

- Ongoing – MUA heat pump trial
- Ongoing – Following recent consultation, DEFA will be bringing forward more efficiency initiatives and standards into the Building Regulations
- Energy Efficiency Scheme grants available for low income households in private sector rented accommodation
- Ongoing – MUA has a list of priority customers requiring prompt re-connection when a power cut occurs
- Ongoing – Manufacturers are only selling energy efficient white goods
- Ongoing – DEFA recently consulted on option for EPC’s as part of consultation on revisions to Building Regulations
- This will occur should a large energy project proceed.
### ACTION

**8.** The introduction of a consumer promotion and advice service regarding efficiency and emission technology

**9.** Construction of a range of different Near Zero Emissions Houses to raise the profile and improve consumer interest and appetite for these houses

**10.** Explore the installation of smart electricity and heating control technology

**11.** Introduction of a policy to encourage shared heating systems for new housing schemes

### STATUS

- **Ongoing** - Energy Efficiency Scheme website
- **Near zero emissions properties built at Janet’s Corner and planned for Clagh Vane**
- **Ongoing** - MUA to install advanced metering
- **To be consulted in 2020-2030 Action Plan**

### REDUCE EMISSIONS FROM SURFACE TRANSPORT

### ACTION

**18.** Extend the existing network of electric vehicle chargers targeting key strategic locations around the Island

**19.** Introduce a range of initiatives to encourage the adoption of electric and hybrid vehicles and the promotion of car sharing

**20.** Provision of incentives to encourage the installation of charging points in domestic properties

**21.** Provision of hydrogen-powered public transport for the next fleet replacement

**22.** Monitor developments in vehicle technology and ensure the uptake of ultra-low emissions vehicles is enabled through convenient supporting infrastructure

### STATUS

- **Ongoing** - Expansion to greater than 20 EV charging points
- **Liftshare available to encourage car sharing and MUA provide an EV tariff**
- **Ongoing** - DEFA incorporated requirement for EV charging points in new buildings as part of recent consultation on revisions to Building Regulations
- **To be consulted in 2020-2030 Action Plan**
- **Ongoing** - Upgrade of existing electric vehicle charging points to the Euro 2 Standard
REDUCE EMISSIONS FROM
GENERATION OF ELECTRICITY

ACTION

24. Test the potential market for green tariff electricity

25. Plan for the provision of renewable energy options to replace the current fossil fuel based electricity generation

STATUS

To be assessed in Social Attitudes Survey

Ongoing - Future Energy Scenario Working Group

ESTABLISH AN APPROPRIATE CARBON BUDGETING BASED APPROACH TO REDUCING EMISSIONS

ACTION

26. Subsequent action plans to deliver the 80% reduction

STATUS

Ongoing - Future Energy Scenario Working Group
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