

Public Bodies - Climate Change Reporting

This form is your annual report, required under the Climate Change (Public Bodies' Reporting Requirements) Regulations 2022 (as amended by the Climate Change (Public Bodies' Reporting Requirements) Amendment Regulations 2023).

This report relates to compliance with the climate change duties set out in Section 21 of the Climate Change Act 2021.

The climate change duties are:

- (1) A public body, in performing its duties, must act in the way that it considers best to contribute to —
- (a) the meeting of the net zero emissions target by
 - (b) the meeting of any interim target;
 - (c) supporting the just transition principles and the climate justice principle;
 - (d) sustainable development, including the achievement of the United Nations sustainable development goals; and
 - (e) protecting and enhancing biodiversity, ecosystems and ecosystem services.

Please complete this form and submit it to: publicbodiesclimate@gov.im along with any supporting documents.

Public bodies' climate change reporting does **not** feed into the national GHG inventory.
 It is intended to provide an overview of climate action within the public sector and ensure that the climate change duties are understood and being implemented.
 The report therefore focusses on a small number of high-level indicators.
 It is not a full-scale, detailed emissions report, which would need to be undertaken by a suitably experienced emissions auditor.

Guidance is included throughout and FAQs are included on a separate tab.
 However, if you have any queries about how to complete this form please email: publicbodiesclimate@gov.im

>>>> In each section relevant to your public body **ONLY** complete the GREEN fields <<<<

Only complete the sections (tabs) relevant to your category of public body, as follows:

Category A	Category B	Category C
More than 150 fte stationed employees	Between 16 and 150 fte stationed employees	Inactive or 15 or fewer fte stationed employees
Introduction	Introduction	Introduction
Reporting Period	Reporting Period	Category C
Baseline (if baseline year different to reporting period)	Governance & Behaviour	
Governance & Behaviour	Missing & Estimated Data (if applicable)	
Missing & Estimated Data (if applicable)		

Q-11

PUBLIC BODY INFORMATION

Name of public body (choose from drop down)	Department of Infrastructure
Contact phone number	850000
Contact email address	Enquiries@Highways.gov.im
Number of fte stationed employees	846.6

CATEGORIES A & B ONLY

REPORTING PERIOD DATA

In this tab enter the data for the period 1 April 2022 - 31 March 2023

>>>> Only fill in the GREEN fields <<<<

Your emissions will be automatically calculated and appear in the BLUE fields

Q-R1

TRANSPORT

Both category A and B public bodies must complete this question.

Enter the total amount of each vehicle fuel used during the reporting period, in the units listed.

	Amount used	Emissions	
Petrol (litres)	0	0	kgCO ₂ e
Diesel (litres)	1,814,555.00	4,897,121	kgCO ₂ e
Coal (tonnes)	440	1,061,029	kgCO ₂ e
Total transport emissions:		5,958,150	kgCO ₂ e

If you have used a fuel that is not listed, for the purposes of powering a vehicle, please contact CCTT

Q-R2

BUILDINGS (HEATING)

Both category A and B public bodies must complete this question.

Enter the total amount of each heating fuel used during the reporting period, in the units listed.

	Amount used	Emissions	
Natural gas (kWh)	634,289	115,783	kgCO ₂ e
Heating oil (litres)	184,522	468,710	kgCO ₂ e
Coal (tonnes)		0	kgCO ₂ e
LPG/Propane (litres)		0	kgCO ₂ e
Wood - Logs (tonnes)		0	kgCO ₂ e
Wood - Chips (tonnes)		0	kgCO ₂ e
Wood - Pellets (tonnes)		0	kgCO ₂ e
Total buildings emissions:		584,493	kgCO ₂ e

If you have used a fuel that is not listed, for the purposes of heating a building, please contact CCTT

Q-R3

ELECTRICITY GENERATION

Both category A and B public bodies must complete this question.

Enter the total amount of each fuel used to generate electricity during the reporting period, in the units listed.

	Amount used	Emissions	
Petrol (litres)		0	kgCO ₂ e
Diesel (litres)		0	kgCO ₂ e
Total electricity generation emissions:		0	kgCO ₂ e

If you have used a fuel that is not listed, for the purposes of generating electricity for the public body's own use, please contact CCTT.

Q-R4

ELECTRICITY USE

Both category A and B public bodies must complete this question.

Enter the total amount of electricity used during the reporting period, in kWh.

	Amount	Emissions	
Electricity used (kWh)	5,894,168	2,487,339	kgCO ₂ e

TOTAL FOR REPORTING PERIOD

This section will show the public body's total emissions, for the reporting period, based on the data entered.

NOTE: This report is limited to a small number of high level indicators and therefore does not cover all GHGs or GHG emitting activities.

Total reported emissions:	9,029,982	kgCO ₂ e
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CATEGORIES A & B ONLY

GOVERNANCE & BEHAVIOUR

In this tab enter the data for the period 1 April 2022 - 31 March 2023

Only fill in the GREEN fields

Q-G1

DECISION MAKING

Only category A and B public bodies should complete this question.

	Description	Name of supporting document (if applicable)
Please describe any processes or mechanisms by which the public body has included the climate change duties in its decision making processes. See guidance notes if you are not sure how to answer.	Please see attached document.	

Q-G2

AWARENESS

Only category A and B public bodies should complete this question.

	Description	Name of supporting document (if applicable)
Please describe any ways in which the public body has raised staff awareness of the climate change duties. See guidance notes if you are not sure how to answer.	Please see attached document.	

Q-G3

EMISSIONS REDUCTION PLANS

Only category A and B public bodies should complete this question.

	Status	Name of document (if applicable)
Has the public body prepared a climate change/emissions reduction plan? Please choose from the drop down list and enter the name of the document.	No plans in place	Please see attached document.

Q-G4

OTHER RELEVANT DOCUMENTS

Only category A and B public bodies should complete this question.

Has the public body prepared any other documents, in relation to the climate change duties, during the reporting period?	Yes - see below
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	Name of document	Relevant climate change duty	Status
Please enter details of any plans, strategies or other similar documents relating to the climate change duties.	Please see attached document.		

Please refer to the guidance if you are not sure how to answer.

Department of Infrastructure: Governance and Behaviour

This report relates to compliance with the climate change duties set out in Section 21 of the Climate Change Act 2021. The climate change duties are:

- a) the meeting of the net zero emissions target by the net zero emissions target year;
- b) the meeting of any interim target;
- c) supporting the just transition principles and the climate justice principle;
- d) sustainable development, including the achievement of the United Nations sustainable development goals; and
- e) protecting and enhancing biodiversity, ecosystems and ecosystem services.

Q-G1 Decision Making

Please describe any processes or mechanisms by which the public body has included the climate change duties in its decision making processes.

Description
Fleet asset procurement – All asset procurement by Fleet Services is electric/alternative fuels by default (where a suitable option is available and budget allows) unless the end user specifically states why this is not possible/sustainable. This is stated on the specification forms which are completed by the end users.
Natural flood management approaches – This is being encouraged in decision making by the Flood Management Division, utilising natural features and processes in flood risk management, rather than hard engineering solutions.
Flood policy development – Input from sectors affected by climate change and flooding is considered when developing Flood Management Division policies, supporting the just transition principles.
Transport Strategy development – The Department is using the work of the Transport Decarbonisation Scenarios (produced by SYSTRA) to support the direction of the strategy development.
Promotion of sustainable travel options – Highways projects consider how they can facilitate and support active travel and sustainable transport choices in their schemes.

Q-G2 Awareness

Please describe any ways in which the public body has raised staff awareness of the climate change duties.

Description
Reducing energy use – Encouraging staff to reduce their energy use at work, for example: <ul style="list-style-type: none"> • Email reminders to turn off all non-essential electronics at end of day; • Information displayed on notice boards, such as footprint of sending an email, reducing paper use in printing; and • Carbon Trust guidance on reducing energy consumption in businesses provided by Public Estates and Housing Division.
Climate Change Duties – Information regarding the climate change duties for public bodies is displayed in the office of the Harbours Division. Climate change duties and Fair Change Framework have been circulated by email within the Flood Management Division.
Staff training courses/CPD – for example, <ul style="list-style-type: none"> • Undertaken by Flood Management Division relating to climate change adaptation work e.g. flooding, environmental protection, community engagement; • Lunchtime CPD sessions run within Highways Division, including climate-related topics and active travel design schemes; and • Senior Highway leaders undertook training on the British Environmental Standards.
Energy Champions – Government-wide initiative launched by Public Estates and Housing Division in Autumn 2022 to embed 'Energy Champions' across government to advocate for energy efficiency and

encourage co-workers to adopt 'cleaner' practices at work. A presentation was delivered to those interested in taking part, which looked for staff who are keen to create and promote internal awareness campaigns, are knowledgeable and interested in environmental issues, and are keen to lead by example within the workplace and encourage change in their co-workers. This has resulted in 27 representatives across CabO, DEFA, Attorney General's Chambers, DHA, Treasury, Manx Care, DfE, DESC, DOI, Clerk of Tynwald's Office, Courts of Justice, and MUA, acting as Energy Champions. The support for these Energy Champions includes monthly packages with an energy league, case studies, flyers, tips and an energy dashboard. Educating staff across government to be aware of our energy usage, and to take individual action to reduce it, is an important component in driving change and taking collective responsibility to meet our climate goals. This project will be developed as part of the work of the new Energy Officer roles within the Estates team.

'Biodiversity Champion' role – Appointed within the Flood Management Division to monitor and report on climate change and environmental duties.

Q-G3 Emissions Reduction Plans

Has the public body prepared a climate change/emissions reduction plan? (Options = Yes – dedicated plan in place; No plans in place; Preparation of plan in progress; or Actions in other relevant documents.)

No plan in place.

Q-G4 Other Relevant Documents

Has the public body prepared any other documents, in relation to the climate change duties, during the reporting period. (Options = Yes – see below; No; or Preparation in progress.)

Yes – see below.

Please enter details of any plans, strategies, or other similar documents relating to the climate change duties.

Description	Relevant climate change duty	Status
Department of Infrastructure: Department Plan January 2023 – The Plan for the Department's progression of the Island Plan targets includes the objective to 'Identify clear and sustainable ways of transitioning to carbon neutrality and meeting our Climate Change objectives'.	A, B, C	Ongoing
Fleet Management Strategy – This document will include fleet replacement ages/mileages. While this saves maintenance costs and labour, it also allows the Government to keep up to date with the latest emissions technologies and standards and ensure that fuel efficiency is optimised within the fleet.	A, B	In progress/ under development
Driver's Handbook – This will include information on reducing fuel use and the impacts on climate change. This will be issued to all drivers of Government vehicles.	A, B	In progress/ under development
Flood Risk Management Act 2013, Section 13 – Duty to consider protection, conservation and recreation. Work in ongoing to embed this in the work of the Flood Management Division.	E	Ongoing
Guidelines on Biodiversity and Highway Services – Information to guide work on the Highway to ensure it protects, or even enhances, the biodiversity present in the 600-700 miles of rural and suburban road networks and footpaths.	D, E	Complete
Transport Strategy – Work has been ongoing on this project during the reporting period. The deliverables relating to transport decarbonisation in the Climate Change Plan 2022-2027 will be	A, B, C	In progress/ under development

integral to this strategy, informed by the Transport Decarbonisation Scenarios.		
Public Estates and Housing Division Energy Management Plan 2022 – The Plan for the Division includes Climate Change objectives e.g. developing retrofit strategy for government buildings, supporting pilot heat network feasibility study, incorporating biodiversity and rewilding in rural developments.	A, B, D, E	Ongoing
Flood Planning Policy Guidance – This is been developed in conjunction with a cross-department working group and experienced consultants, led by the Flood Management Division. This includes guidance on the need for sustainable drainage systems, required by the Climate Change Act 2021.	D, E	In progress/ under development

Q-G5 Climate Action

Has the public body taken any action to reduce its emissions, or in relation to any other aspect of the climate change duties, during the reporting period? (Options = Yes – see below/attached; No action taken.)

Yes – see below/attached.

Please complete the table below with details of any actions taken. If multiple actions are contained within a supporting document, please feel free to refer directly to the document, rather than listing the actions individually.

Description of action(s)	Relevant climate change duty	Status
Progressing the introduction of Telematics for the government fleet – This will be rolled out to all government vehicles (excluding blue light fleet). This will monitor fuel use more closely and allow managers to view increased data regarding use of the fleet vehicles. This information can be translated into carbon emissions/savings and could be presented to teams, divisions and departments. This information has previously been unavailable for the government fleet.	A and B	In progress/ under development
Review of Fleet Services facilities heating protocols – Carried out at Ellerslie Depot workshop and offices to show the potential to realise significant savings. A corollary of savings on heating oil usage is the reduction in carbon emissions. The full cost saving, and emissions reduction, will be reported in the next billing cycle.	A, B	In progress/ under development
Natural flood management (NFM) – Utilising natural features and processes in flood risk management, rather than hard engineering solutions. This includes using natural materials and avoiding concrete/using lower-emission processes. Promoting NFM reduces pollution and enhances biodiversity, involving protecting, restoring and emulating natural processes to reduce flood risk. For example, the Laxey works have reclaimed natural floodplain where possible, in addition to the earth embankments/defences that have been developed.	A, B, D, E	Ongoing
Travel to meetings – Meetings are often held by Teams across the Department to remove the need to travel. This includes meetings with consultants based off-Island. When travel is required (e.g. to site visits), the electric car is available for use by officers.	A, B	Ongoing
Use of local contractors – Watercourses involved in flood management work are maintained with aid of local contractors – providing both economic and employment benefits, and climate mitigation/adaptation.	A, B, C	Ongoing

<p>Input to planning applications – Flood risk assessments are conducted for relevant planning applications to ensure overall flood risk is not increased. Developing on floodplains is discouraged, both reducing flood risk and protecting biodiversity. Highways Development Control also comment on relevant planning applications, including promotion of highway features to support walking and cycling (including cycle storage and shower/changing facilities at the destination if appropriate), and requirements for electric vehicle charging points.</p>	D	Ongoing
<p>Sharing knowledge – Knowledge and information from the Flood Management Division is shared and transparent (e.g. how to mitigate flood risk or prepare for a flood event), and is valid both locally and internationally and to all groups of people; research conducted locally can contribute towards overall flood risk knowledge. Public engagement is also encouraged for transparency and to raise awareness; promoting further knowledge sharing.</p>	C, D	Ongoing
<p>Climate adaptation – Works to mitigate flood risk are conducted as sustainably as possible and account for future climate change (for example, by including additional allowances for the effects of climate change or flooding). Flood mitigation works increase the sustainability of communities.</p>	D	Ongoing
<p>Hydrometric network – The Flood Management Division has sought to improve the hydrometric network, increasing knowledge of rainfall patterns and river conditions – a low-regret measure that provides both present and future benefits.</p>	D	Ongoing
<p>Engagement and consultation – Stakeholder engagement and consultation is undertaken as a key component of DOI projects. This includes ensuring the environmental and social impact is minimised.</p>	C	Ongoing
<p>Invasive species and pollution incidents – The management of Japanese Knotweed (an invasive, non-native species that threatens the Island’s biodiversity) is a long-term strategy involving responsible treatment and/or disposal. The Flood Management Division treat Japanese Knotweed along designated watercourses to mitigate the threat posed, benefitting biodiversity and reducing flood risk. Any watercourse (and general) pollution incidents reported to the DEFA Environmental Protection Unit. The Flood Management Division has also assisted with the project to mitigate water pollution caused by heavy metals on the River Neb and Peel Marina.</p>	E	Ongoing
<p>Sustainable Drainage Systems (SuDS) – Progression of work supported by the Climate Change Act 2021, promoting SuDS to mitigate the impact of human development on the environment and the natural water cycle. For example, the Sulby Attenuation Lagoon (status complete) development is a ‘natural’ development to store excess water when required, protecting nearby housing estates by using grassy swales and earth embankments to maintain biodiversity and ecosystems.</p>	D, E	In progress/ under development
<p>Promoting biodiversity in river schemes – Works to benefit aquatic ecosystems are encouraged within DOI schemes, such as including fish passes in river weir structures – for example, the Laxey Flood Alleviation Scheme has included replacing the former concrete MER weir with a passable rock weir. River blockages are removed as soon as possible, both reducing flood risk and benefitting the natural/aquatic ecosystem. Silt traps are used to reduce water pollution when undertaking works in rivers.</p>	D, E	Ongoing
<p>Promoting biodiversity in highways schemes – Officers from Highways Division attended biodiversity strategy meetings to discuss role of DOI in improving or accommodating biodiversity within highways work. The same officers produced internal work on the biodiversity at risk of disturbance from highways work and how to mitigate. They also</p>	E	Complete

investigated and reported on the extent of ash dieback along the Manx highway.		
Working with British Land – Working with British Land’s council to identify best practice. Benchmarking Highways activities with over 100 local authorities in the UK.	D, E	Ongoing
Climate action plan research – Officers from Highways Division completed research into climate change goals/initiatives for Highways Services, and the wider department.	A, B	Complete
Electric bus pre-trial – The first stage of an information-gathering process for Bus Vannin included a short trial (without passengers) of a Mercedes eCitaro Demonstrator electric bus in February 2023. This led into a longer trial (including passengers) to be reported in the next public body reporting period (2023 – 2024).	A, B	Ongoing
Winter £2 bus fare cap – Ran from 1 November 2022 to 31 March 2023 – this was primarily rolled out for cost of living assistance, but with a co-benefit of encouraging the public to travel by public transport rather than private cars. The cap saw a small increase in bus passengers.	A, B	Complete
Coal use on Steam Railway – Trialling new synthetic coal with lower emissions, which is proving successful so far.	A, B	Ongoing
Active travel storage equipment in schools – During the reporting period, storage for scooters and bicycles was installed at a number of primary schools around the Island to facilitative sustainable travel to school.	A, B	Complete
Active travel outreach in schools – Officers from Highways Division ran assemblies and workshops in primary schools on sustainable travel options through the reporting period, including on the Island’s greenhouse gas inventory and actions to reduce emissions from transport.	A, B	Complete
Installation of accessible bus stop kerbs – A programme of installing ‘Kassel kerbs’ at bus stops around the Island was progressed during the reporting period to make bus travel accessible to all users, enabling them to make sustainable travel choices.	A, B, C	Ongoing
Building management to reduce energy – Careful management of the Building Management System (BMS) by Public Estates and Housing achieved a 6.9% reduction in electricity and gas consumption from 2021 to 2022. The Division is also building their use of Internet of Things (IoT) sensors (e.g. temperature, CO2 levels) to gain insight on building performance. The Housing team are trialling new technologies to reduce carbon emissions in public sector housing.	A, B	Ongoing
Energy and condition surveys – Public Estates and Housing are carrying out condition surveys and Energy Performance Certificate (EPC) surveys on the highest energy using buildings in the government estate, to inform a roadmap for improvements. This includes benchmarking in line with CIBSE guidelines (Chartered Institution of Building Services Engineers).	A, B	Ongoing
Boiler replacements – Over 30 aging heating/hot water boilers have been replaced across the government estate this reporting period, giving up to 32% energy efficiency saving and reducing fuel consumption.	A, B	Ongoing
Lighting improvements – There is an ongoing programme to switch to LED lighting in public buildings, schools and health centres. Staff in Markwell House have reduced the number of overhead lights in use during the day.	A, B	Ongoing
Sustainable heating assessments – Public Estates and housing have been assessing properties that may be suitable for a transition to biomass heating or air source heat pump installation.	A, B, D	Ongoing
Recycling in offices – The staff at Hills Meadow have set up and manage a recycling point for their empty milk cartons, and the staff at	A, B	Ongoing

Markwell House have separate recycling bins for paper, cans and plastic bottles.		
Energy Champions within DOI – There are Energy Champions within the Sea Terminal and Banks Circus/Strathallan working as part of the wider Estate Division initiative to advocate for energy efficiency and encourage co-workers to reduce energy usage.	A, B	Ongoing
Living Streets scheme engagement – Public engagement with the Living Streets proposal for measures in central Douglas to make the neighbourhood easier and safer to walk and cycle, and healthier for the people living, working and going to school there (following two petitions from local residents e.g. for lower traffic speeds and volumes). Workshops and online materials were developed to allow people to add their own suggestions and highlight issues.	A, B, C, D	Complete
Use of recycled materials in schemes – Where appropriate, recycled materials are incorporated into schemes e.g. car park on Station Road in St Johns was finished in recycled asphalt.	A, B, D	Ongoing

Q-G6 Highlights

Are there any actions or initiatives taken by the public body over the reporting period, in relation to the climate change duties, that you would like to highlight?

If so, please describe the action or initiative:

To which aspect of the climate change duties does the action, project or initiative relate?

Please explain briefly why you have chosen to highlight this action, project of initiative?

Additional comments

- Highways Services (as part of the Transport Strategy), Transport Services Division (Fleet), Airport Division and Public Estates and Housing Division are interested in exploring the use of more sustainable fuels (e.g. HVO) going forward.
- Flood Management Division would be interested in accessing an online training course for IOM Government employees with information on the climate change duties.
- Divisions would like to access template plans with which to guide the development of their Climate Action Plans.
- Public Estates and Housing Division are interesting in exploring the use of benchmarking to assist with the data analysis in future reporting cycles.