# Department of the Environment Business Plan 2017



#### **Our Mission**

Working for a better environment

#### **Our Strategic Aims**

- 1. To protect and enhance the natural and built environment, including our sea, water, air, land and buildings;
- 2. To assess and control environmental factors that can potentially affect human health;
- 3. To achieve secure, affordable and sustainable energy for Jersey;

Recognising the impact of these aims on our community and economy

#### **Our Strategic Objectives**

- To influence sustainable decision-making and best practice across government and all other sectors by
  - a. Developing existing and new policies, strategies and legislation
  - b. Providing information and advice
  - c. Increasing environmental awareness
- 2. To manage and regulate the natural, historic, built and working environment by
  - a. Administering and implementing legislation and strategies
  - b. The active conservation of biodiversity
  - c. Collecting, analysing and monitoring environmental information
  - d. Providing environmental grants and incentives
- To support, contribute to and comply with States strategies and policies, including:
  - a. Financial, Human Resources and Information Technology
  - b. States wide Public Sector reform program and other initiatives
  - c. Environmental improvement activities particularly eco active States

#### Our Values - how we behave

#### **Customer focus**

We never forget that we are here to serve the public, develop services to meet their needs efficiently, and provide value for money

#### **Constantly improving**

We always aim to be better, challenge habits and learn from mistakes

#### **Better together**

We work across boundaries and departments to deliver a better future for Jersey

#### Always respectful

We care about people as individuals and always treat them with respect

#### We deliver

We take responsibility, act responsibly and always do what we say

#### Our Organisational Design Principles - what we do

#### **Customer focus**

We never forget that we are here to serve the public, develop services to meet their needs efficiently, and provide value for money

#### Start with the customer

Put the customer at the heart of service design and deliver services to meet appropriate level of need

#### **Right Services**

Build an efficient organisation that works in partnership with the community to deliver strategic outcomes for the island

#### Collaborate

Achieve better results for the customer through collaborative working

#### **Think Digital**

Be innovative in service design and use technology to provide efficiency and better access to services

#### **Future Design**

Design for tomorrow and not just for today

#### About us

The Department of the Environment employs approximately 113 full time equivalent (FTE) staff, has a gross budget of approximately £10.5 million, generates income of approximately £4.4 million and operates with a net budget of approximately £6.1 million.

The Department has two core business areas, the Environment Division and Planning and Building Services Division. These are linked and supported by a corporate function.

The Environment Division is located at Howard Davis Farm, Trinity, Maison Le Pape, St Helier (Environmental Health), Jersey Airport, St Peter (Meteorological Office), and La Collette, St Helier (Fisheries and Marine Resources). The Planning and Building Services Division is located at South Hill, St Helier.

#### **Ministers**

- The Minister for the Environment is Deputy Steve Luce
- The Assistant Ministers are:
  - o Connétable Steve Pallett
  - Deputy Anne Enid Pryke
     (With specific responsibility for determining appeals made under Part 7 of the Planning and Building (Jersey) Law 2002

#### **Planning Committee**

The Planning Committee (PC) is made up of States members and includes:

- Juliette Gallichan, Connétable of St. Mary (Chairman)
- Philip Bond Le Sueur, Connétable of Trinity (Vice Chairman)
- Deputy Jeremy Martin Maçon of St. Saviour
- Deputy Richard John Rondel of St Helier
- Deputy Graham John Truscott of St Brelade
- Deputy Russell Labey of St Helier
- Deputy Scott Michael Wickenden of St Helier

#### **Department Senior Management Team**

- The Chief Officer of the Department is Andrew Scate
- The Director for Environment and Deputy Chief Officer of the Department is Willie Peggie
- The Senior Management Team is as follows:

#### Senior Management Team (SMT)

#### Strategic Management Board (SMB)

The Strategic Management Board is responsible for developing, managing and reviewing department wide policies, strategies and priorities to meet States objectives within available resources. The SMB acts as the corporate interface between the Department and central government, taking the lead in working with the Department Minister, Assistant Minister, Council of Ministers, Scrutiny and the States Assembly on Department activities.

Andrew Scate Chief Executive Officer	Willie Peggie Director for Environment Deputy Chief Officer	Yannick Fillieul Business Director	John Littlewood Finance Director	Maxine Dottore Senior HR Business Partner
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#### Heads of Profession

The Heads of Profession deliver business plan activities and work with and support the SMB in achieving States and Department objectives with specific responsibility for developing strategies and managing Department specialist operational areas within available resources. Heads of Profession provide expert knowledge and advice and lead specific States or Department projects and initiatives.

Dan Houseago Director for Environmental Management & Rural Economy	Dr Tim du Feu Director - Environmental Protection	Kevin Pilley Director – Policy, Projects & Historic Environment	Peter Le Gresley Director of Development Control	Mo Roscouet Director – Building Control
Stewart Petrie Director of Environmental Health	Dr Louise Magris Director for Environmental Policy	John Searson Principal Meteorological Officer	Mel Andrews Senior IS Manager	Dr Theo Knight-Jones States Veterinary Officer

#### **Environment Division**

The Environment Division employs approximately 65 full time equivalent (FTE) staff, operates with a gross budget of approximately £6.2 million and is split into six main areas of activity:

#### **Environmental Health**

Operates with approximately 9 FTE staff and a gross budget of £700,000

- investigate food complaints and administer food hygiene standards and labelling
- investigate notifications of infectious disease
- investigate statutory nuisance complaints
- carry out swimming pool inspections
- investigate and monitor contaminated land in relation to health impacts
- investigate complaints regarding defective private drainage
- comment on alcohol licensing and places of refreshment licensing
- attend exhumations
- investigate complaints of "filthy and verminous" premises
- carry out health based environmental monitoring (e.g.; air quality, radioactivity)
- investigate complaints of housing disrepair and unfitness
- enforce tobacco control legislation
- provide advice on potable water supplies

- provide advice on pest control issues
- regulate the supply of wholesome water

#### **Environmental Management and the Rural Economy (EMRE)**

Operates with approximately 22 FTE staff and a gross budget of £2.1 million

- manage the delivery of the Rural Economy Strategy and provide an advisory and scientific service to farmers, growers, the dairy industry and other government departments with specialist diagnosis of plant pests and diseases, analysis of soil, water and plant tissue samples, qualified advice on pesticides and research and into techniques to reduce the environmental impact of agriculture
- monitor statutory plant health risks and provide a protective framework
- develop and implement a legislative and policy framework in order to manage the delivery of the Biodiversity strategy and develop management plans and work schedules for much of the Island's ecologically sensitive areas
- maintain and improve an access network to enable access to the Island's countryside
- protect and champion the Island's biodiversity, marine resources and ecosystems in line with international and local commitments
- manage the delivery of marine resource strategies including the Integrated Coastal Zone Management Strategy
- regulate commercial and leisure fishing activity, aquaculture and exploitation of living aquatic resources in the 800 square miles of Jersey waters
- administer the Agricultural Land Control of Sales and Leases (Jersey) Law 1974 in order to control the occupation and use of agricultural land and to ensure that a stable, viable agricultural land bank is retained for the farming industry
- Lead the Agriculture and Fisheries Brexit workstream

#### **Environmental Policy and Awareness**

Operates with approximately 5 FTE staff and a gross budget of £716,000

- develop environmental and energy policy in line with International and local drivers
- deliver environmental awareness programmes through the eco active campaign to encourage environmental responsibility across all sectors
- deliver the States of Jersey's Energy Plan to ensure secure, affordable and sustainable energy.

#### **Environmental Protection**

Operates with approximately 12 FTE staff and a gross budget of £982,000

- manage the Island's water resources and regulate the supply of wholesome water
- manage pollution control, pollution prevention and waste management regulation
- maintain the Island's ability to export agricultural and horticultural produce through a system of plant inspections
- regulate the use of pesticides, prevent the introduction and establishment of plant pests and diseases and control the spread of injurious weeds.

#### **Meteorological Services**

Operates with approximately 11 FTE staff and a gross budget of £1.5 million

- provides meteorological services to the Channel Islands' communities and specialised services to meet the needs of specific industries including Channel Island airfields, the Channel Islands Control Zone and a comprehensive shipping forecast
- record and analyse climate

Operates with approximately 2 FTE staff and a gross budget of £258,000

- promote best animal health and welfare practice for all farmed, captive and domestic species by providing advice and investigating adverse welfare complaints.
- exercise controls to prevent the incursion or eradicate notifiable animal, poultry and fish diseases to protect the health of animals, poultry and fish and in the case of zoonoses, humans.
- facilitate the export of animals and animal products from the Island.

#### Planning and Building Control Services Division

The Planning and Building Service Division employs approximately 41 full time equivalent (FTE) staff, operates with a gross budget of approximately £3 million and is split into three main areas of activity:

#### **Building Control**

Operates with approximately 15 FTE staff and a gross budget of £1.0 million

- set and enforce standards for the design and construction of buildings to ensure that buildings are safe, healthy, accessible and sustainable for current and future generations
- investigate complaints made under the dangerous building provisions of the Planning and Building (Jersey) Law
- investigate and resolve breaches of the building bye-laws

#### **Development Control**

Operates with approximately 21 FTE staff and a gross budget of £1.4 million

- regulate the development and use of land to achieve an appropriate balance between environmental protection and economic growth
- seek quality in the design of the built environment in relation to development proposals
- investigate and where appropriate, regulate breaches of the Planning and Building (Jersey) Law 2002 to uphold the requirements of the planning and building control legislation
- provide information relating to land or buildings in the process of conveyancing

#### Policy, Projects and the Historic Environment

Operates with approximately 5 FTE staff and a gross budget of £652,000

- develop a legislative and planning policy framework that underpins the Island's planning system, principally represented by the Island Plan and supplementary planning guidance
- provides planning policy advice to facilitate and enable the implementation of the planning policy framework and the delivery of planning and other States objectives
- designates buildings and places of special architectural, archaeological and historic interest in order to protect those of public importance
- provides legislation, policy, guidance and advice to ensure that the special importance of Jersey's historic environment is protected and managed appropriately
- manages the Jersey Architecture Commission, to ensure the architectural appraisal of key development proposals
- maintains and develops the 3D model

#### Corporate

Operates with approximately 7 FTE staff and a gross budget of £1.2 million

Corporate activities are delivered across the Department. They encompass compliance, finance, human resources, information technology and business operations and responsibilities include:

customer service management

- management of staff and resources in accordance with financial directives and human resources policies
- delivery of information technology strategy
- management of department control frameworks, including health and safety, records management, business continuity, freedom of information and data protection, and risk management
- business reporting and performance management
- the support and delivery within the department of corporate activities
- supporting corporate communication and stakeholder engagement

### **Key Activities and Projects – 2017 Business Plan**

Ref	Activity	Performance Indicator	Target	Risks		
Departm	partment Wide Key Activities					
D1	Delivery MTFP2 2017 agreed budget and savings	SMT to review department budgets on a monthly basis and take necessary action to achieve department objectives with available resources	2017 forecast matches agreed budget	Un-forecast spend or requirement for further budget reductions		
D2	Deliver MTFP2 2017-2019 agreed budget and savings	SMT to complete department reviews and match planned 2017-2019 activities against agreed staff and budget reductions	Department MTFP2 2017-2019 budget submission achieves required SoJ budget	Un-forecast spend or requirement for further budget reductions		
D3	Actively support the Public Sector Reform programme	Support work force modernisation program	Support role out and communication			
		SoJ eGov project	Support central eGov workstream			
		Support the Jersey Lean System (JLS) and co-ordinate the department JLS activities and projects	Review Quarterly			
		Support SoJ regulation review project				
		Contribute and support the SoJ Office Modernisation Program (OMP)	Actively participate in the project			
		Complete DoE Ways of Working Pilot – Interim Project Programme. Review, develop, implement or close all 18 Culture, Workplace and Technology projects	Q4	SMT buy-in, resources		
D4	Develop and Deliver departmental Information Technology strategy to support business efficiency and effectiveness	Work with Heads of Profession to understand the current and future needs of the department and incorporate needs into Information Technology strategy (including digital) to meet these needs	Review IS strategy quarterly at SMB	Lack of resources or support		

Ref	Activity	Performance Indicator	Target	Risks
D5	Maintain and develop departmental control frameworks	Develop high level BCM plans	Q4	
	for business continuity, risk management and Health and	Maintain and review department risk log	Quarterly	
	Safety	Develop and deliver department Wellbeing plan and activities	Q3	
		Maintain and develop department H&S Policies and Procedures	Q4	
D6	Maintain and improve public and stakeholder engagement and understanding of the work of the department	Develop communication plan with Heads of Profession, deliver communication activities and monitor public and stakeholder engagement	Review monthly at SMB	
D7	Actively participate in the SoJ eco active States program	Maintain department eco active States green team, develop and deliver 2016 action plan	Review quarterly	
D8	Develop and manage the department Records Management System	Develop and deliver agreed records management programme	Review quarterly	
D9	Complete Major IS Upgrades	Upgrade Oracle to 12c in Test and Live iLAP. Oracle 11g is not supported after May 2017	Q2	Not enough resource to test within Planning and ISD
		Upgrade iLAP to Assure in Test. This will enable some modules in iLAP to become web based. Should help with communications problems and speed.	Q3/4	Not enough resource to test within Planning and ISD
		Upgrade I@W to Aspect in Test This will enable I@W to become web based. This should help with speed when working remotely.	Q3/4	Not enough resource to test within Planning and ISD
D10	Complete DoE Ways of Working Pilot – Interim Project Programme	Review, develop, implement or close all 18 Culture, Workplace and Technology projects	Q3	
D11	Service Improvement	Further integration of the Environment Health (EH) team into the Department activities	Review quarterly	

Ref	Activity	Performance Indicator	Target	Risks
D12	Develop and Implement Information Security Plan for the Department	Work with the SoJ Information Security Governance Board (ISGB) to implement SoJ codes and policies with DoE	Plan by Q3	

Ref	Activity	Performance Indicator	Target	Risks
Environ	mental Health			
EH1	Food	Maintain and develop Eat Safe scheme	Inspections carried out according to annual schedule	Insufficient resource
		Investigate Food Labelling complaints	Respond to complaints within 3	Insufficient resource
		Investigate Food complaints	working days	
EH2	Infectious disease	Introduce new reporting and recording mechanism for infectious diseases	Scheme in place with GPs by end Q3	Poor adoption by GPs
		Attend exhumations	Meet all requests from the Funeral Industry	Insufficient resource at short notice
		Inspect swimming pools to agreed timetable And publish results on SoJ website	Scheme operational and in place by end Q2	Lack of warrant for Health and Safety Inspection
		Investigate food and water borne illnesses	Begin investigations within one working day	Lack of staff resource
		Provide advice on pest control issues	Respond to requests within 3 working days	Lack of staff resource
		Provide advice on potable water supplies	Respond to requests within 3 working days	Lack of staff resource
EH3		Recommendations in place end of Q3	Insufficient resource	
		Test proof of concept for micro detectors on lampposts and vehicles	By end of Q3	Technical issues with detectors
		Carry out sampling for radioactive monitoring	Monitoring to agreed schedule	Staffing pressures

Ref	Activity	Performance Indicator	Target	Risks
		Carry out background noise mapping around frequently used evet sites	Complete by end of Q3	Pressure on equipment demand
EH4	Housing	Successful roll out of Landlord Accreditation scheme – Rent Safe	Scheme launched by end Q2	Poor take up by the industry
		Investigate complaints of Filthy or verminous premises	React to complaints within a working day	Lack of resource for work in default
		Investigate complaints of disrepair and unfitness	React to complaints within 3 working days	Pressure on staff resources
		Investigate complaints regarding private drainage	React to complaints within a working day	Pressure on staff resources
EH5	Develop and update legislative framework	Delivery of law drafting instructions per agreed timetable.	Continue drafting of new Food Safety (Jersey) Law 201	States Assembly does not adopt the Law.
			Continue drafting of New Public Health and Safety (Rented Dwellings) (Jersey) Law 201	
			Begin work on revised Water Law	
EH6	Enforce tobacco control legislation	Inspect premises to ensure compliance	All food premises inspected also checked for tobacco compliance	Staff Pressures
EH7	Statutory Nuisance	Investigate all complaints of Statutory Nuisance	React to complaints within 3 working days	Pressure on staff and equipment
EH8	Statutory Consultee	All Statutory consultations responded to for: Planning, Licencing, Places or refreshment and Bailiff's entertainment panel.	All consultations responded to within timescales set my those requesting responses	Staff pressures
EH9	Regulate the supply of wholesome water	Assume responsibility for Jersey Water Law 1972	By end of Q2	Staff pressures
EH10	Develop Mobile working with EH	Deliver 2 inspection types on tablet/notebook	Pilot schemes working by end Q3	Resource pressures

Ref	Activity	Performance Indicator	Target	Risks
EH11	Deliver Service improvements	Continued integration of Environmental Health Service with Department of the Environment	Complete by end of Q4 2017	Lack of Resource

Ref	Activity	Performance Indicator	Target	Risks			
Environn	Environmental Management and the Rural Economy (EMRE)						
EMRE1	Minimise the impact of statutory and non-statutory pests and diseases	Ensure plant health and pesticide legislation is in-pace with EU equivalents	The EU Plant Health Regulation comes into force in 2019. Jersey is making preparation along with UK and Guernsey to implement this regulation locally in 2019.	Sufficient LOF advice and Law drafting time.			
			Local Pesticide and Maximum Residual Level legislation to be revised by Q4 2017.				
		Statutory and regulated organism monitoring timetabled across Plant Health Laboratory and Inspectorate and completed satisfactorily.	Monitoring programmes conducted and results to DEFRA within required timescales Q1-4.	EU Plant Health Regulations may increase work in this area from 2019.			
		Contingency plans in place in event of pest/disease outbreak requiring statutory action	Plant Health contingency will be added to the Community Risk Register and an exercise will be undertaken to highlight any gaps in likely resource requirement in an outbreak by Q4 2017	Reduced ability to mobilise sufficient staff and assets as Government cuts occur.			
			Contingencies plans to be reviewed and updated by Q4 2017				
		Continued access to training, technical information and warnings of pest threats as they arise	Retain membership of the European Plant Protection Organisation (EPPO).	Must maintain budget for EPPO membership			
			Maintain laboratory capable of providing statutory and non-				

Ref	Activity	Performance Indicator	Target	Risks
		Comply with EU Regulations / Directives requiring provision of a Plant	statutory diagnostic and advisory service	Loss of skills through retirement/redundancy
		Health/Agronomy/Pesticide Advisory Service	Recruit new agricultural advisor Q2 2017	
			Maintain team capable of providing agronomy service and providing competent authority role.	
		Work with SoJ IS to develop mobile working and statutory response capability via CRM and GIS	Deliver mobile CRM linked to GIS analysis and survey capability – then explore expansion across the Department.	Lack of IT support from centre.  Lack of GIS provision.
EMRE2	Protect and enhance Jersey's biodiversity	Administration, strengthening and enforcement of wildlife protection legislation and Biodiversity Strategy	Law Drafting instructions for Conservation of Wildlife Law submitted Q1	Lack of Law drafting time Lack of IT capacity P&B review timescales
			Amendments to Planning and Building Law Sites of Special Interest (SSI) protection regime	Staff resources
			Review the Biodiversity: A Strategy for Jersey Q4 2017	
		Implement natural environment legislation, regulations and relevant MEAs	Report on MEAs within required UK timescales.	
			Targeting and refinement of biodiversity monitoring programme	Lack of resource replacement after Ranger transfer
			Monitor key designated habitats	
			Progress ArcView GIS development Q1-Q4	
			Prepare Supplementary Planning Guidance to ensure appropriate consideration of biodiversity	Agreement with stakeholders

Ref	Activity	Performance Indicator	Target	Risks
			issues within the planning process Q4 2017	
			Prepare Site Management Statements for SSI's Q1-Q4	December 1994 Chill likely
			Ensure all sites managed by the Department of the Environment have appropriate invasive species and listed weeds management programs in place.	Resources lost in 2016 will likely impact on delivery
			Implement monitoring of key indicator species and encourage the involvement of stakeholder groups	
EMRE3	Manage, maintain and improve public access to the countryside (Access infrastructure).	Regular inspection, maintenance and enhancement of access routes and infrastructure	All routes inspected at least every 8 weeks and no serious accidents reported on the access network	Loss of capital funds will impact on the Departments ability to build resilience in to the aging infrastructure
		Implement Access Strategy	Q1-Q4 as per delivery timetable	
			Re-tender footpath maintenance contracts Q4 2017	Insufficient funding for new contracts
EMRE4	Protect and enhance the Island's countryside and agricultural land	Publish a Rural Economy Strategy (CDP project) Jan 2017 Incorporate Scrutiny recommendations when become available.	Rural Economy Strategy 2017 – 21 to be endorsed by CMB/CoM & States Assembly Q1 2017. Implement new RES from Q2 2017	Lengthy COM amendments SoJ Member proposes Debate.
EMRE5	Administer the Agricultural Land (Control of Sales and Leases) (Jersey) Law 1974	Record Land transactions and lease agreements	Maintain database of transactions and imposed agricultural conditions	Lack of resource
EMRE6	Deliver service improvements (linked to Department Key Activity D4)	Implement EMRE (including Marine Resources) service redesign and progress review recommendations	Q1-Q4	

Ref	Activity	Performance Indicator	Target	Risks
EMRE7	negotiations External relations team of the negotiating stance required for and on behalf of the	Develop and engage with stakeholders and Governmental groups (Q1 onwards)	Limited capacity.	
		workstream and negotiation with Defra, attending meetings in London and Brussels as required  Provision of internal briefings and stakeholder angagement	Provision of sector analysis (Q1)	
			Provision of forward plan for 2017 (Q1)	
			Provision of clear negotiating position post triggering of article 50 (Q1-Q4)	
			Secure additional funding required to deliver the above (Q1)	

Ref	Activity	Performance Indicator	Target	Risks		
Marine I	Marine Resources (within EMRE)					
MR1	Regulation and control of activities in the marine environment	Catch rates of Lobster	Landing per unit of effort to stay above 6kg per 100pots	Lack of enforcement resources – key person dependency		
		Number of inspections related to number of infractions	No. of offences below 2.3 per 100 inspections			
MR2	Implementation of revised licensing arrangements for Aquaculture industry	More customer focussed and efficient management of the aquaculture industry, affording managed growth in that sector	Obtain Planning permission for aquaculture zone by Q1.	Lack of staff capacity Lack of stakeholder consensus		
			Implement new entrants scheme by Q2			
MR3	Deliver Coastal Zone Management Strategy – Spatial Planning	Create strategy to enable government to make balanced decisions on activities using the marine resource and providing security for industry and service providers	Draft spatial plan to be developed and agreed for integrated planning of activities in the marine zone by end of Q4	Lack of staff capacity Highly complex – lack of stakeholder consensus		

MR4	Legislation, licensing and compliance with Granville Bay and UK fisheries management agreements.	Deliver appropriate legislation in a timely manner to avoid the Island being in breach of MEAs and to do so with improved efficiency and transparency for marine stakeholders.	As required	Capacity in MR and LOD
		Organise and contribute to Granville Bay Treaty management meetings, Service Jersey/UK Fisheries Management Agreement (FMA). Amend legislation as required.	Maintain Granville Bay Treaty (3 x advisory meetings, 2 x management meetings per year) and FMA agreement with UK (at least 2 x meetings per year with Defra)	
		Introduce improved databases allowing efficient and effective data processing linked to real time provision of data in respect of quota species	Resolution of data management issues by Q4	Requires buy-in from IT
		New entrants licensing scheme	New entrants licensing scheme by Q2	Lack of resources Lack of stakeholder consensus
MR5	Marine research and development to provide data for management decisions and law obligations.	Minister and committees are provided with sufficient data to take appropriate actions.	Undertake agreed research programme (Q1 onwards)	Lack of resources
MR6	Prepare for the implications of BREXIT	Develop objectives and strategic approach for potential amendments to established bilateral Agreements required following BREXIT	Develop and engage with stakeholders and Governmental groups (Q1 onwards)	Lack of resources

Ref	Activity	Performance Indicator	Target	Risks	
Environme	Environmental Policy and Awareness				
EPA1	Develop and maintain environmental and energy policy regime	Deliver a co-ordinated programme of work that will contribute to the development of a Climate Change Adaptation Plan	Economic assessment to be carried out and programme of flood risk assessment modelling to be developed and commissioned (Q3)	Resources for flood risk assessment work not available	

Ref	Activity	Performance Indicator	Target	Risks
		Ensure a consistent approach to long term environmental policy making corporately and inter-departmentally	Participate and represent environmental and energy policy in respect of Long Term Strategic Planning, population policy and Brexit (published Q3)	Not able to align corporate and departmental priorities in terms of resources and timing
EPA2	Implement Pathway 2050: An Energy Plan for Jersey - 2017 actions (CDP project)	Corporate governance of the energy plan – Initiate and support the agreed annual programme of the Energy Partnership (Energy Executive and Energy Forum)	Programme of activity developed (including Energy Forum to meet twice per year)	Lack of stakeholder engagement
		domestic and industrial and commercial sector (Action Statement 3, 6 and 8). Includes developing and expanding programmes into able-to-pay sector (Action Statement 3) (separate CDP projects)	Pilot training programme for domestic energy assessors (first cohort trained by Q4)	
			Deliver grant programme for eligible Community Buildings (ongoing)	
			Deliver 2017 plan for eco active business and eco active states	
			Monitor Energy Plan progress against reported carbon emissions data (emissions reporting published Q2)	
		Continue to assess the potential for offshore utility scale sustainable energy resources (Action Statement 22) in conjunction with EDD, BIC(E) and CIMREG.	Bring draft Renewable Energy law before State's Assembly (by Q4)	Law drafting time limited
		Support ongoing States wide work around the energy market, pricing and access to energy goods and services	Clarify access to grid for embedded sustainable energy generators (Q3).	
EPA3	Develop and maintain eco active programme to reduce waste, energy use, pollution and the effects of climate change	Implementation of annual programme in accordance with agreed milestones and energy plan objectives (esp. (Action Statement 3, 6 and 8 as in EPA2)	Completed annual programme of work and outputs that support the delivery of the energy plan and co-ordinate and link with the eco active network and support the	Lack of engagement

Ref	Activity	Performance Indicator	Target	Risks
			public sector reform programme (see Energy Plan Year 3 programme for detailed projects and milestones)	
EPA4	Administer advice on and review relevant international environmental policy and legislation.	All requests for monitoring information from Department of Constitutional Agreements (ministry of Justice) responded to within requested timescale.	Jersey's international reputation as an environmentally responsible jurisdiction is maintained and enhanced (ongoing)	
	Survey, report & administer as required the international agreements to which Jersey is a signatory.	No critical reports on Jersey's implementations of signed international environmental agreements by other governments or international bodies	Maintain compliance with existing Multi-lateral environmental agreements (ongoing)	
		Ensure appropriate national legislation / programmes in place to support international environmental agreements commitments		

Ref	Activity	Performance Indicator	Target	Risks
Environme	ental Protection			
EP1	Deliver and manage effective regulation and monitoring to protect the quality and availability of water resources	All reported pollution incidents are responded to.	All reported incidents are resolved with appropriate action in line with the agreed Enforcement Policy and in a manner, which minimises environmental impact (ongoing).	Pollution incidents cannot be effectively resolved due to reduced resources or other priority work.
			'Out of hours' incidents having a significant environmental impact will only be attended (ongoing).	Large enforcement cases are prioritised over lower impact incidents and other work areas resulting in delays to other activities.

Ref	Activity	Performance Indicator	Target	Risks
				Reduced resources impacts on sections ability to deliver casefiles to law officers in a timely manner
		Deliver monitoring programme of the Island's freshwater and marine water quality in line with best practise.	All monitoring undertaken according to revised annual timetable by Q4 2017 (ongoing).	Ability of laboratories to analyse all the required determinants.
				Lack of existing budget, or reallocation of budget to priority activities, to complete recommended monitoring.
		Develop a new fit for purpose computerised information system to store and report on the Island's water quality data.	New system operational with staff trained by end of Q1.  Data inputted and able to be analysed within three months of collection (ongoing).	No carry-over of existing budget. Lack of involvement from other collectors and providers of data (e.g. States Official Analysts Dept., Jersey Water, UK Labs).
		Respond to water quality and water availability issues	Includes, but not limited to, response within appropriate timeframe to pesticide and nitrate exceedances as required (response varies with type of exceedance) (ongoing).	Resource (manpower and budget) available for any further sampling and investigation required.
		Implementation of an Island Water Management Plan (WMP)		Lack of law drafting time Lack of officer time
		States debate of Part 3 Water Pollution (Jersey) Law amendments.	By Q2, 2017	Treasury do not permit carry over of any departmental underspend
		Primary Legislation in force	By Q4, 2017	for priority projects.
		Draft law instructions and consequential orders to implement water management areas	By Q4, 2017	Long term funding option are not in place by end 2018. Budget required to fill funding gap.

Ref	Activity	Performance Indicator	Target	Risks
		EP to develop new Water Code	By Q4, 2017	Funding is not available (places the agreed WMP at risk).
		Develop a strategy for compliance checking of Water Catchment Management Orders	Strategy for compliance checking by end Q4	
		Secure short-term departmental funding of the WP for 2017 & 2018	Short term (2017-18) agreed by end Q3	
		Develop long term funding strategies (post 2018) for WP	By Q4, 2017	
		Develop roles and responsibilities for the recruitment of a Water Plan compliance officer.  1st option; part of liquid waste charge 2nd option: fertiliser tax  3rd option: MTFP bid	By Q3, 2017	
		Strategy to rationalise/develop work of the former States Hydrogeologist by the new Licensing and Permitting Officer	By Q4, 2017	Pressure on this key point staff resource by other work areas (e.g. pollution duty cover)
		Water abstraction licenses are renewed and determined	All abstraction license determined as timetabled (ongoing)	
		Effective Regulation of Jersey Water to ensure they continue to supply wholesome water to their customers.	Hand-over of compliance checking as stipulated by the Water (Jersey) Law 1972 as amended to Environmental Health by end of Q2.	Lack of capacity at Environmental Health.
EP2	Protect the environment and people from the harmful effects of waste by delivering and managing an effective waste management regulation regime	Waste carriers, waste exports and waste sites are licensed	All island waste sites (especially States owned sites) are licensed in accordance with the Waste Management (Jersey) Law 2005 (ongoing)	Delays due to operators (government and private) do not submit adequate and timely information to enable license applications to be determined.

Ref	Activity	Performance Indicator	Target	Risks
				All operators do not have appropriate planning permission to allow them to be issued with a Waste Management license and operate legally under the Law.
		Waste management activities (licenced, exempt or other) are regulated and inspected	All waste sites inspected using a risk based approach according to an agreed inspection timetable (ongoing).	Current lack of staff resource and work pressure of other priorities (e.g. fly-tipping) to undertake compliance checks at sites.
		Development and delivery of a data management system (such as CRM) for permitting (waste licenses, discharge permits, water abstraction licenses) and compliance recording.	Data management system operational by Q4	Lack of IT involvement.  CRM not taken forward corporately
		Increased action against fly-tipping in preparation for solid waste charging.	Parish/Dfl/landowner recording and use of 'Love Jersey' ap. (by Q2 2017).	
			All serious incidents attended by EP (ongoing).	
			FTE resource in place to assist with evidence gathering.	
			One successful prosecution (by Q4 2017)	
EP3	Agricultural and horticultural community operate safely, and to	Statutory inspections of crops.	Inspections undertaken according to the annual timetable (ongoing).	Lack of staff resource following delivery of MTFP saving
	defined standards that enable them to trade successfully.	Regulation under the Pesticide (Jersey) Law 1991.	20% of all pesticide stores are inspected annually (ongoing).	Lack of staff resource following delivery of MTFP saving.
			Merchant pesticide stores are inspected annually (ongoing)	Law is not fit for purpose and delay in revised Law being in force.

Ref	Activity	Performance Indicator	Target	Risks
EP4	The establishment and spread of pests, diseases and injurious weeds is prevented	Inspections and control regimes of plants and crops (including imports)	Targeted plant inspections maintained at the harbour and Jersey Post for plant imports (ongoing)	New and emerging plant health issues cannot be met by reduced resources due to MTFP savings.
EP5	Survey, report & administer as required the international agreements to which Jersey is a signatory	Ensure appropriate programmes are in place to support MEA commitments (plant pest and disease surveys and reporting)	Surveys undertaken according to annual timetable (ongoing)	Lack of staff resource following delivery of MTFP saving  New emergent plant disease/pest causes diversion of staff resource
EP6	Deliver service improvements (linked to Department Key Activity	Implement recommendations from 2016 EP service review	Review 2016 recommendations (by Q2 2017)	
	D4)		Emphasis on officers leading work areas with less time on lower admin type tasks (by Q2 2017)	Over reliance on single point dependencies.
			Increased use of IT for in field recording (by Q2 2017).	Requires deployment and engagement of officers
			Departmental strategy to deal with risk from contaminated land (by Q2 2017).	
			Maintain CPD for officers (ongoing).	

Ref	Activity	Performance Indicator	Target	Risks	
Meteorolo	Meteorological Services				
M1	Operate as Air Navigation Service Provider (MET) for the Channel Islands Control Area	Maintain Aviation Forecasting expertise, documentation and accreditation	Maintain ISO9001 2008 Achieve ISO9001 2015 EASA certification	Failure to achieve targets	

Ref	Activity	Performance Indicator	Target	Risks
M2	Provision of essential Channel Islands wide meteorological services. (to airport, harbours, local industry and the public)	Accurate weather service.	Weather forecast 84% accurate Maintain PoJ SLAs	Cancelation of SLA's. Staffing resources
M3	Provision of meteorological advice and historic data. (in support of research, insurance / police enquiries – building / construction / planning projects.)	Ability to respond to enquiries in a timely manner.	Maintain a continuous weather watch(24/7) Accurate and verified data Maintained programme of SYNOPTIC and National Climate Observations.	Staffing resources
M4	Implement the recommendations of the Met Office Review	Improved efficiency and effectiveness of Met Office and delivery of services	Reduce the number rostered hours by 14hrs per week by increasing flexibility without reducing resources, by end of Q4	Staff / Union resistance to change.
M5	Implement phase 3 and 4 of the Weather Radar upgrade in line with programme set by UKMO	Improved radar technology and robust hardware replacing ageing equipment. Improved data feed to UK and models-> improved forecasts Implement recommendation from upgrade.	Fully upgraded radar with all issues resolved by end Q3 Efficiencies with data transfer Disseminate to France	Weather/ UK Met Office staffing resource.
M6	Deliver service improvements (linked to Department Key Activity D4)	Review Met Office accommodation arrangements and implement approved way forward	New accommodation to suit our business needs of Met, resolved by end Q4.	Funding, Lack of stakeholder engagement.

Ref	Activity	Performance Indicator	Target	Risks
Veterinary	Services			
V1	Protect animals, the island's population and integrity from the	Implement controls proportionate and applicable to identified risk.	Q1 Review disease threats and mitigation	Exotic disease incursion. Inadequate resource.
	adverse effects of notifiable animal diseases		Q2 Submit application to EU Commission via Defra Chief Veterinary Officer for official recognition of freedom from Enzootic Bovine Leucosis (EBL	Across the entirety of the services, standard risks linked to appointment of new SVO

Ref	Activity	Performance Indicator	Target	Risks
			and Infectious Bovine Rhinotracheitis (IBR).	
V2	Deliver effective regulatory service for animal health and welfare and food hygiene as applicable,	Fulfil statutory checks, tests and respond to reported incidents.	Q4 Complete Animal Welfare Law licensing visits and inspections and respond to complaints	Inadequate resource States Assembly do not adopt Regulations
			Q4 Regulate abattoir and test shellfish harvesting areas in accordance with EU legislation.	
			Q4 Implement requirements to be introduced by Aquatic Animal Health Regulations	
V3	Develop and update legislative framework	Delivery of law drafting instructions per agreed timetable.	Continue drafting of new, updated and amended Orders under Animal Health (Jersey) Law 201-	Non adoption of Law or Orders Inadequate resource
V4	Delivery of CITES statutory regime: Management Authority	Effective implementation of CITIES controls relevant to animals	Continued effective implementation	Failure of continued support from other groups
V5	Deliver service improvements (linked to Department Key Activity D4)	Review Abattoir arrangements and funding	Q4 2017	

Ref	Activity	Performance Indicator	Target	Risks
Building C	Control			
BC1	Regulation of building work for the purposes of health and safety of people, energy efficiency and accessibility.	Timely assessment of building applications Completion certificates issued for all developments, or action taken to secure compliance where bye-law contraventions exist.	Process all applications for building permission within 5 weeks of receipt Inspect site work at key stages and advise on measures necessary to enable a completion certificate to be issued.	

Ref	Activity	Performance Indicator	Target	Risks
BC2	Ensure building bye-laws and approved technical guidance meet the objectives of the Planning and Building Law.	Revise existing building bye-law requirements relating to relating to site preparation and resistance to moisture and strengthen requirements relating to Radon protective measures in buildings.	Law drafting completed by end of Q2 2017.  Revised technical guidance published by end of Q3 2017.  Revised bye-law requirements to take effect by end of Q4 2017	Delays in obtaining law drafting time. Principle and detail resisted by key stakeholders
BC3	Administer dangerous building provisions of the Planning and Building Law to ensure public safety.	No injuries to members of the public resulting from defective buildings	Respond to all complaints about dangerous buildings on same working day.	
BC4	Deliver service improvements (linked to Department Key Activity D4)	Upgrade and develop IT systems and procedures to enable electronic submission of building bye-law applications and improved mobile working.	Online facility for the submission of building bye-law applications to be available in test from 01/01/18. Mobile devices that allow interaction with departments IT systems on site to be in test by Q4 2017.	Insufficient priority given to developing / upgrading IT systems. Lack of IT resource and or funding.

Ref	Activity	Performance Indicator	Target	Risks		
Develop	evelopment Control					
DC1	To determine all planning applications to a high quality within reasonable timescales.	Number of planning applications dealt with within timescales.	In 85% of cases determination of Minor applications – within 8 weeks Major applications – within 13 weeks			
DC2	To provide advisory and support services relating to the development of land.	Number of pre-application enquiries delivered within published timescales. Establish intra-Dept. working group Q2	In 85% of cases, advice issued within 6 weeks of receipt Establish group			
DC3	To enforce planning controls	Proportion of cases resolved without recourse to formal action	In 85% of cases - initial inspection within target time			

Ref	Activity	Performance Indicator	Target	Risks
		Proportion of cases resolved within published timescale	- resolved with no formal action - resolved within 5 weeks of receipt	
DC4	Appeals	Successful defence of Dept. and Planning Committee decisions	In 66% of cases, appeal dismissed	
DC5	Review and streamline planning processes	Internal processes and actions reviewed, as necessary, to reduce waste and improve business efficiency.	Complete by end Q4	
DC6	Undertake and implement a review of the P&B subordinate legislation (Phase 2b)	Repeal and rewrite of General Development Order (for Listed Buildings and Places)	Law drafting Q1 Consultation Q2 Delivery Q3	Lack of agreement on content and extent of changes between executive and political leads.
DC7	Support eGovt project	Develop and deliver Planning Submissions online project	Design Q1 Testing & soft launch Q1 Go Live by end of Q2	
DC8	Implement Planning and Building Paper files back scanning project	Manage the Back to Work back scanning project	Review monthly	

Ref	Activity	Performance Indicator	Target	Risks		
Planning	Planning Policy					
PP1	Develop and maintain legislative framework to protect and enhance the natural, built and historic environment	(a) Jersey Infrastructure Levy (JIL): new legal vehicle developed to capture uplift in land value from planning decisions (linked to PP2(a))	Legal vehicle developed and consulted upon to take effect from 2018	Principle and detail resisted by key stakeholders		
		(b) Planning and Building (Jersey) Law and subsidiary legislation maintained and developed as appropriate	(i) Review process for Island Plan approval and adoption and amend/develop legislation/ policy as appropriate	Principle and detail resisted by key stakeholders Lack of law drafting time, if reqd.		
			(ii) Assist in review of GDO: regulation of change in historic environment (see DC)			

Ref	Activity	Performance Indicator	Target	Risks
			(iii) EIA Order reviewed to ensure MEA compliance	Lack of law drafting time
			(iv) Primary law reviewed/ amended to enable designation of Conservation Areas	Lack of capacity to progress Lack of law drafting time
		(c) Introduce new law for the protection of artefacts of archaeological or historic significance	Scope of new legislation defined through engagement with key stakeholders (Q4)	Lack of capacity to progress Principle and detail resisted by key stakeholders
PP2	Develop and maintain Island Plan policy framework to facilitate and support long-term sustainable	(a) Jersey Infrastructure Levy (JIL): new policy tool developed to capture uplift in land value from planning decisions	Policy tool developed and consulted upon to take effect from 2018	Principle and detail resisted by key stakeholders
	economic growth and social well- being whilst protecting our natural and historic environment and;	(b) Development briefs for rezoned affordable housing adopted	Development briefs adopted for: - F.785, St. Ouen	
		(c) Develop a new vision for the Future of St. Helier	(i) St. Helier Traffic Management Plan consulted upon and adopted	
			(ii) St. Helier Public Realm Strategy developed, consulted upon and adopted	Lack of capacity to deliver
			(iii) Phase 1 St. Helier tree survey undertaken	Lack of capacity to deliver
		(d) Supplementary planning guidance maintained, developed, consulted upon and	(i) Review of the Esplanade Quarter Masterplan (Q4)	Lack of capacity to deliver
		adopted, as necessary Target for each SPG	(ii) Design for homes (Q4)	
	raigetio	Target for each 3FG	(iii) Parking standards (Q4)	
			(iv) Duration of planning permission (Q2)	
			(v) Planning obligation agreements (Q2)	
			(vi) Percent for Art (Q4)	

Ref	Activity	Performance Indicator	Target	Risks
			(vi) Listed buildings and places and their settings (Q4)	
			(vii) Windows and doors in historic buildings (Q4)	
			(viii) Safety zones for hazardous installations (Q3)	
			(ix) Archaeological evaluation and treatment (Q3)	
			(x) EIA (Q4)	
			(xi) Development of contaminated land(Q2)	
			(xii) Historic building appraisals (Q3)	
		(e) Publish Island Plan Annual Monitoring Report	(i) Residential land availability report published (Q2)	
			(ii) Review requirement for review of housing land demand, supply and affordability (Q4)	
			(ii) Island Plan monitoring report published (Q2)	Lack of capacity
PP3	Provision of planning policy advice	(a) Integration of planning policy advice into development control process	Provision of planning policy advice on development control consultations in a timely manner (five week target)	
		(b) Integration of planning policy advice into States of Jersey projects and initiatives	Provision of planning policy advice into major projects and initiatives, such as:	
			<ul><li>CoM Long Term Vision</li><li>Climate Change adaptation framework</li></ul>	

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Ref	Activity	Performance Indicator	Target	Risks
			<ul><li>Ports of Jersey Masterplans</li><li>Future Fort Regent</li></ul>	
PP4	Management of Jersey Architecture Commission	Facilitation of robust, independent architectural critique of development proposals and plans from JAC	Provision of architectural advice on key development schemes in a timely and efficient manner (6 meetings per year)	
			Design Awards 2017	Lack of funding
PP5	Maintain and implement tree protection regime	Review policy and procedures for the identification and protection of trees	Scope of requisite review defined (Q4)	Lack of resource to review policy and protection regime.  Loss/lack of expert professional advice to designate important
				trees
PP6	Support of planning appeals process	Provision of independent, impartial, professional planning advise to support Ministerial decision-making	Provision of impartial planning advice on inspector planning appeal reports in a timely and efficient manner	AC Ongoing

Ref	Activity	Performance Indicator	Target	Risks		
Historic E	Historic Environment					
HE1	Maintain historic environment protection regime	(a) Re-designation/ designation of Listed buildings and places	Complete Historic Environment Review Q4 2017	Lack of capacity to maintain performance		
				Representation/appeal slows progress		
		(b) Secure agreement for the protection and management of ecclesiastical buildings	(i) Model heritage management agreement for ecclesiastical bldgs. agreed (Q4)			
			(ii) All ancient parish and district churches listed (Q4)			
HE2	Implement historic environment protection regime	(a) Provision of historic environment advice on planning and Listed building and place	(i) 90% of Listed buildings advice provided within five weeks			

Ref	Activity	Performance Indicator	Target	Risks
		applications in accordance with the Customer Charter;	(ii) 80% of Listed place (archaeological) advice provided within five weeks	
HE3	Promote and raise awareness of historic environment	(a) Enhanced level of public information through Historic Environment Record	All listing schedules published online as heritage status determined	
		(b) Develop and implement communication plan for HE	Maintenance of HE Twitter feed	
		(c) Contribute to the publication of an annual report on the State of the Island's Heritage, by Jersey Heritage (Q4)	Provision of data (Q4)	
HE4	Deliver service improvements (linked to Department Key Activity D4)	(a) See HE1(b) above: introduce more efficient and effective process for the management of change in ecclesiastical heritage bldgs.	Complete by end of Q4 2017	
		(b) Work with Jersey Heritage to review SLA for 2017, to include a review of roles and responsibilities for the delivery of HE services	Complete review and draft new SLA by Q4	

Ref	Activity	Performance Indicator	Target	Risks
Geographic Information				
GI1	Maintenance and development of 3D model	Enhancement of existing 3D model	Increase spatial extent of coverage	Subject to the availability of funding

#### The Department administers all or parts of the following Legislation:

- Agricultural Land (Control of Sales and Leases) (Jersey) Law 1974
- Agricultural Marketing (Jersey) Law 1953
- Aquatic Resources (Jersey) Law 2014
- Animal Health (Jersey) Law 2016
- Animals (Trapping)(Jersey) Law 1961
- Animal Welfare (Jersey) Law 2004
- Artificial Insemination of Domestic Animals (Jersey) Law 1952
- Building Bye-Laws (Jersey) 2007, as amended
- Conservation of Wildlife (Jersey) Law 2000
- Cremation (Jersey) Law 1953
- Dangerous Wild Animals (Jersey) Law 1999
- Diseases of Animals (Jersey) Law 1956
- Diseases of Animals (Rabies) (Jersey) Law 1976
- Endangered Species (CITES) (JERSEY) Law 2012
- High Hedges (Jersey) Law, 2008
- Relevant Regulations made in accordance with European Communities Legislation (Implementation) (Jersey) Law 1996
- Fertilisers and Feeding Stuffs (Jersey) Law 1950
- Fish Health (Jersey) Regulations 1999
- Food and Environmental Protection Act 1985 (Jersey)
- Food Safety (Jersey) Law 1966
- Loi (1894) sur la coupe et la pêche des vraics
- Loi (1919) sur la Location de Biens-Fonds
- Loi (1934) sur la Santé Publique
- Pesticides (Jersey) Law 1991
- Planning and Building (Jersey) Law 2002, as amended
- Plant Health (Jersey) Law 2003
- Plant Varieties (Jersey) Law 2016
- Protection of Agricultural Land (Jersey) Law 1964
- Public Health (Vessels and Aircraft) (Jersey) Law 1950
- Restriction on Smoking (Jersey) Law 1973
- Sea Fisheries (Jersey) Law 1994
- Sea Beaches (Removal of sand and stone) (Jersey) Law 1963
- Slaughter of Animals (Jersey) Law 1962
- Statutory Nuisance (Jersey) Law 1999
- Waste Management (Jersey) Law 2005
- Water Pollution (Jersey) Law 2000
- Water Resources (Jersey) Law 2007
- Water (Jersey) Law 1972, as amended
- Weeds (Jersey) Law 1961

## The Department administers various European Union Directives and International Conventions

(known as Multi-Lateral Environmental Agreements (MEAs))

#### MEAs for which ratification has been extended to Jersey

- Agreement between the Government of the United Kingdom of Great Britain and Northern Ireland and the Government of the French Republic concerning Fishing in the Bay of Granville with Exchanges of Notes and Declaration
- Agreement on the Conservation of European Bats (EUROBATS)
- Agreement on the Conservation of small cetaceans of the Baltic, North East Atlantic, Irish and North Seas (ASCOBANS)
- African-Eurasian Water bird Agreement (AEWA)
- Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal
- Convention of Biological Diversity (CBD)
- Convention on the Conservation of Migratory Species of Wild Animals (Bonn)
- Convention on the Conservation of European Wildlife and Natural Habitats (Bern)
- Convention on Environmental Impact Assessment in a Transboundary Context (Espoo)
- Convention on the Prevention of Marine Pollution by Dumping of Wastes and other Matter 1972
- 1996 Protocol to the above Convention
- Convention for the Protection of the Architectural Heritage of Europe (Granada)
- Convention on International Trade in Endangered Species (CITES)
- Convention for the Protection of the Marine Environment of the North East Atlantic (OSPAR)
- Decision of the Council of the Organisation for Economic Co-operation and Development (OECD) concerning the control of transfrontier movements of wastes destined for recovery operations
- European Convention on the Protection of the Archaeological Heritage (Valletta)
- Fisheries Management Agreement between the United Kingdom and Jersey
- International Plant Protection Convention
- Memorandum of Migratory Birds of Prey in Africa and Eurasia
- Montreal Protocol to above Convention
- Ramsar Convention on Wetlands of International Importance especially as a Waterfowl Habitat
- United Nations Framework Convention on Climate Change (UNFCC)
  - Kyoto Protocol to above Convention
- UN Vienna Convention for the Protection of the Ozone layer
- UNECE Convention on Long Range Transboundary Air Pollution and Associated Protocols (CLRTAP)