

## Long-Term Water Strategy - Implementation Action Plan

Short Term (2015-2021)  
 Medium Term (2021-2027)  
 Long Term (2027-2040)

Key to abbreviations can be found at the bottom of the spreadsheet

AIM	POLICY	ACTIONS	ACHIEVEABLE TIMEFRAME (Short / Medium / Long)	LEAD DEPARTMENT DELIVERY BODY	SUPPORTING DEPARTMENT / ORGANISATION	PROGRESS COLOUR CODE
<b>DW AIM 1: Maintain and review Drinking Water Safety Plans for all drinking water catchments</b>						
DW Aim 1	DW 1A: Maintain and review Drinking Water Safety Plans for all drinking water catchments	DW 1A (i) Maintain and review Drinking Water Safety Plans for all drinking water catchments	Short	NIW	DAERA (DWI) / DfI WDPD / UREGNI	
		DW 1A (ii) Continue to implement a prioritised investment programme to manage drinking water quality risks informed by DWSPs	Short	NIW	DAERA (DWI) / DfI WDPD / UREGNI	
Green = Implementation achieved or on track to be achieved within the next 3 months						
Update						
DW Aim 1	DW 1B: Put effective protection measures in place for drinking water sources	DW 1B (i) Review the designation of all existing (and future) drinking water sources as Drinking Water Protected Areas (DWPAs) and ensure appropriate monitoring and regulatory protection measures are put in place.	Medium	DAERA (WMU)	NIW / Waterways Ireland	
PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT						
Update						
DW Aim 1	DW 1C: Introduce sustainable catchment management at all drinking water sources	DW 1C (i) Actively encourage sustainable land management practices around DWPAs (through education, incentives and enforcement).	Short	NIW	DAERA (WMU) / RCN / UFU / NIAPA	

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		DW 1C (ii) Establish effective public/community/voluntary sector partnerships to jointly deliver sustainable catchment initiatives and education campaigns to protect and improve raw water quality (e.g. the Water Catchment Partnership).	Short	NIW	DAERA (WMU) / RCN / UFU / NIAPA		
		DW 1C (iii) Raise public awareness of groundwater and educate those with private water supplies that utilise groundwater. Consider how to protect quality of groundwater supply.	Medium	DAERA (RU)	NIW		
		DW 1C (iv) Continue to implement and extend the SCAMP project to all drinking water catchments including appropriate monitoring	Short	NIW	DAERA (WMU) / UREGNI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update							
	DW Aim 1	DW 1D: Manage water quality risks from the water distribution system	DW 1D (i) Continue to effectively manage and operate the distribution system to prevent deterioration in drinking water quality	Short	NIW	DAERA (DWI) / UREGNI	
			DW 1D (ii) Develop drinking water quality targets focused on addressing iron exceedences and consumer complaints	Short	NIW	DAERA (DWI) / UREGNI	
			DW 1D (iii) Continue Water Mains Rehabilitation Programme focused on preventing service deterioration, targeting water quality issues and addressing consumer complaints	Short	NIW	DAERA (DWI) / UREGNI	

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Update	-					
DW Aim 1	DW 1E: Remove lead pipes and fittings from drinking water supply systems	DW 1E (i) NI Water should continue implementing its strategic lead policy and lead pipe replacement programme focused on the aim of removing all lead pipes from the public supply system and improving compliance with the EU Lead standard (10ug/l)	Short & Medium & Long	NIW	DfI WDPD / DAERA (DWI) / UREGNI	
		DW 1E (ii) Proposals to aid the improvement of private supply pipes should be considered in order to meet the EU lead standard (10ug/l) and provide safe wholesome supplies of drinking water	Short	DfI WDPD	NIW / DAERA (DWI)	
		DW 1E (iii) An education programme should be delivered to highlight the risks posed by lead (including lead in internal plumbing) and how exposure to lead from drinking water can be reduced / eliminated	Short	NIW	DfI / DAERA (DWI) / PHA / Local Councils	
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DW Aim 1	DW 1F: Manage water quality risks from defective water fittings	DW 1F (i) Continue to effectively monitor and regulate compliance with the Water Supply (Water Fittings) Regulations (NI) 2009 and reduce the risk of contamination or waste of public water supplies through defective water fittings	Short	NIW	Dfi WDPD		
		DW 1F (ii) Educate and improve public awareness of the importance of compliant water fittings and using licensed plumbers (Watersafe).	Short	NIW	Dfi WDPD / Local Councils		
		DW 1F (iii) Ensure all publically owned drinking water systems comply with the Water Fittings regulations	Medium	NIW	Local Councils		
<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>							
Update	-						
DW Aim 1	DW 1G: Manage water quality risks from private water supplies	DW 1G (i) Maintain an effective water quality monitoring programme for private supplies	Short	DAERA (DWI)	Local Councils		
		DW1G (ii) Work with water regulators, Local Councils and private supply owners to further develop risk assessments at private water supplies to ensure Water Safety Plans are in place at private water supplies (PWS)	Short	DAERA (DWI)	Local Councils / PWS owners		

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		DW1G (iii) Increase public awareness of, and how to protect groundwater. Educate private well owners on how to protect their well source.	Medium	DAERA (DWI)	Local Councils			
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>		
Update	-							
	DW Aim 1	DW 1H: Manage water quality risks for domestic distribution systems	DW 1H (i) Continue monitoring and regulation of domestic distribution systems	Short	DAERA (DWI) & NIW	Local Councils / Health & Safety Executive		
			DW 1H (ii) Government to commence a programme of improvement to government owned domestic distribution systems	Medium	DAERA (DWI)	NIW / Public Health Agency		
			DW 1H(iii) Develop and implement an education programme to increase public awareness of the importance of properly maintained and monitored domestic distribution systems	Medium	DAERA (DWI)	NIW		

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		DW 1H (iv) Promote the use of a Water Safety Plan approach within buildings where water is made available to the public in line with WHO principles	Medium	DAERA (DWI)	NIW / Local Councils		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
<b>DW AIM 2: Meet the Water Demand needs of Society, the Economy and the Environment</b>							
DW Aim 2	DW 2A: Provide access to efficient, safe, secure drinking water supplies	DW 2A (i) Continue providing financial assistance towards the initial cost of providing a water connection to encourage connections to the public supply	Short	NIW	DfI WDPD / UREGNI		
		DW 2A (ii) Consider improved mechanisms to ensure that NI Water and Planning Authorities effectively integrate water investment and development plans and ensure customers' water needs are efficiently met in the future	Short	NIW / Local Councils	DAERA (RU) / CCNI		
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DW Aim 2	DW 2B: Water resource management and drought planning to inform long-term investment needs	DW 2B (i) Amend existing legislation to facilitate the development of a single water resource and supply resilience plan	Short	Dfi WDPD	NIW / UREGNI		
		DW 2B (ii) Develop and issue Guidance for developing a single water resource and supply resilience plan	Short	Dfi WDPD	NIW / UREGNI		
		DW 2B (iii) NI Water should follow this Guidance in preparing the plan which should be published by 1 April 2017	Short	NIW	Dfi WDPD / CCNI / UREGNI / WI		
		DW 2B (iv) NI Water should follow future editions of the Guidance to inform the preparation of future water resource and supply resilience plans	Medium	NIW	Dfi WDPD / UREGNI / WI		
<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>							
Update	-						
DW AIM 2	DW 2C: Put effective systems and processes in place to avoid over abstraction	DW 2C (i) Review the effectiveness of drinking water abstraction processes to ensure all water taken from the environment is needed for supply and/or treatment	Medium	DAERA (RU)	NIW		
		DW 2C (ii) Develop, agree and implement drinking water abstraction monitoring and management plans	Medium	DAERA (RU)	NIW		



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		DW 2C (iii) Manage and review abstraction licences to ensure sustainable water resources are available to meet society's needs without compromising the environment. This will factor in the costs of future abstraction reductions (eg, new treatment works or trunk mains)	Long	DAERA (RU)	NIW / UREGNI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update							
DW AIM 2	DW 2D: Encourage households and businesses to be water efficient	DW 2D (i) Continue to invest in education and public awareness campaigns to promote water efficiency and the value of water supported by continued work of the Waterbus and school visits, and other educational means.	Short	NIW	CCNI / UREGNI		
		DW 2D (ii) Develop and implement a public awareness campaign highlighting the benefits of water efficiency and how it can lower energy bills.	Short	NIW	CCNI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update							
DW AIM 2	DW 2E : Deliver water efficient residential and commercial development	DW 2E (i) Consider regulatory options in which all future residential development is water efficient and achieves a maximum consumption figure of 130 l/h/day.	Medium	DfI WDPD	DAERA (DWI) / NIW / Local Councils		



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		DW 2E (ii) Carry out pilot projects to test and compare the cost effectiveness of different water efficiency / re-use technologies (for both retro-fitting and new build).	Medium	NIW / CCNI	UREGNI		
		DW 2E (iii) Consider amending the Water Supply (Water Fittings) Regulations (NI) 2009 to include a performance rating for water fittings	Short	DfI WDPD	Local Councils		
		DW 2E (iv) Develop and implement policies in respect of retro-fitting water efficiency / recycling measures in homes and businesses.	Short	NIW	CCNI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	

Update -

## DW AIM 3: Resource Efficient Drinking Water Treatment and Supply Chains

DW AIM 3	DW 3A: Achieve a sustainable economic level of leakage (SELL) in all supply systems	DW 3A (i) The current focus of achieving and maintaining the Sustainable Economic Level of Leakage within the public distribution system should continue and be used to inform the water mains rehabilitation programme.	Short	NIW	UREGNI		
		DW 3A (ii) Proposals to aid a reduction in private supply pipe leakage should be developed and implemented	Medium	DfI WDPD	NIW / CCNI / UREGNI		

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Update -

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DW AIM 3	DW 3B: Improve energy efficiency of the public drinking water supply system	DW 3B (i) Review existing water treatment and supply systems to identify how potential energy efficiency savings might be achieved	Short	NIW	UREGNI		
		DW 3B (ii) Develop and implement a programme of energy efficiency improvements across the water and sewerage infrastructure and asset base	Medium	NIW	UREGNI		
		DW 3B (iii) Develop short and long term energy efficiency targets for NI Water through the water industry price control processes (PC15/21/27)	Short & Medium & Long	NIW	UREGNI		
		DW 3B (iv) Revise NI Water's project appraisal process to ensure that drinking water investment decisions are based on 'whole-life' energy and carbon costs	Short	NIW	UREGNI		
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Update							
DW AIM 3	DW 3C: Increase the use of renewable energy in the public drinking water supply system	DW 3C (i) Consider investing in renewable energy generation (eg solar panels and wind turbines) to reduce running costs at existing drinking water facilities	Short	NIW	UREGNI		
		DW 3C (ii) Consider generating renewable electricity through innovative management of drinking water supply systems (eg generating hydro-power from excess water mains pressure)	Medium	NIW	UREGNI		

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		DW 3C (iii) Set targets for incentivising NI Water to increase the percentage of renewable energy generated by use of its own assets and lands and contribute to achieving the Executive's greenhouse gas emissions reduction target	Short	UREGNI	DAERA / DfI WDPD / DfE / NIW		
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Update	-						
DW AIM 3	DW 3D: Reduce the amount of chemicals used in the drinking water treatment and supply systems	DW 3D (i) Minimise the use of chemicals by improving raw water quality through natural means such as SCAMP (DW Policy 1C) and by improving the water supply system to minimise the amount of chemicals needed (eg, orthophosphate)	Long	NIW	DAERA (WMU)		
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Update	-						
<b>FRMD Aim 1: Deliver Sustainable Flood Resilient Development</b>							
FRMD Policy 1A	To ensure land-use planning decisions are informed to help minimise flood risk.	FRMD 1A (i) Prevent inappropriate development in high risk areas and ensure that future development does not increase flood risk.	Short	Local Councils	DfI Rivers Agency / NIW		
		FRMD 1A (ii) Land-Use planning decisions must continue to be informed by up-to-date information on the risk from all significant sources of flooding	Short	DfI Strategic Planning Division / Local Councils	DfI Rivers Agency		

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		FRMD 1A (iii) Any exceptional development permitted within high flood risk areas must make provision for adequate mitigation measures commensurate with flood risk to the development and elsewhere as a result of it.	Short	DfI Strategic Planning Division / Local Councils	DfI Rivers Agency / NIW / WI		
		FRMD 1A (iv) Where possible surface water drainage systems (e.g. from roads, housing developments and car parks) should not be connected to the combined sewer system.	Short	NIW	Local Councils / Transport NI		
Update							
FRMD Policy 1B	Make space for surface water management in development plans	FRMD 1B (i) Engage with Councils on developing guidance on how development proposals (including land use zonings in LDPs) can incorporate large surface water drainage schemes	Short & Medium	DfI WDPD	DfI Strategic Planning Division / Local Councils / DfI Rivers Agency / NIW		
		FRMD 1B (ii) Consider developing arrangements for the funding, construction and maintenance of large surface water drainage schemes in advance of development	Short & Medium	DfI WDPD	NIW / Local Councils / DfI Rivers Agency		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update							
FRMD Policy 1C	Sustainable Drainage Systems (SuDS) are the preferred option for managing surface water in new developments.	FRMD 1C (i) Clarify responsibilities for long-term maintenance, ownership and liability associated with SuDS.	Short	DfI WDPD & DAERA (RU)	SMG (other members)		

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		FRMD 1C (ii) Implement the recommendations of the Northern Ireland Environment Agency's Managing Stormwater report.	Short	DfI WDPD & DAERA (RU)	SMG (other members)		
		FRMD 1C (iii) Consider updating Sewers for Adoption (NI) to include certain SuDS systems	Short	NIW	DfI WDPD / NIW / DAERA (RU) / DfI Rivers Agency		
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Update							
FRMD Policy 1D	Design for drainage exceedance to be incorporated into all new drainage infrastructure.	FRMD 1D (i) Develop and publish detailed Guidance on 'Design for Drainage Exceedance'	Short	DfI WDPD	NIW / DfI Rivers Agency / TNI		
		FRMD 1D (ii) Existing drainage providers should review drainage standards to ensure 'Design for Drainage Exceedance' is included in all new drainage infrastructure	Short	NIW / DfI Rivers Agency / TNI	DfI WDPD		
		FRMD 1D (iii) Consider if 'Design for Exceedance' should be a requirement in all new developments	Short	DfI WDPD	DfI Planning Policy Division / Local Councils / NIW / DfI Rivers Agency / TNI		
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<b>FRMD Aim 2: Manage the Catchment to Reduce Flood Risk</b>						
FRMD Policy 2A	Effective regulation of reservoir construction and maintenance	FRMD 2A (i) Government will continue to develop the necessary legislation to provide assurance to the public that this is being appropriately managed.	Short	DfI WDPD	DfI Rivers Agency	
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Update						
FRMD 2B	Manage rural land within catchments to reduce surface run-off and provide flood storage	FRMD 2B (i) Publicly owned rural land across the catchment should be managed to reduce surface run-off and provide appropriate flood storage.	Medium	DfI WDPD	DfI Rivers Agency / Land-owning organisations / Local Councils	
		FRMD 2B (ii) Private owners of rural land should be encouraged to reduce run-off, provide flood storage and drain farmland to wetlands rather than rivers.	Short	DfI WDPD	DfI Rivers Agency / DAERA / UFU / NIAPA	
		FRMD 2B (iii) Consideration should be given to the introduction of new wetlands and flood storage spaces.	Medium	DfI WDPD	DfI Rivers Agency	
		FRMD 2B (iv) Rivers should be reconnected with natural floodplains where it can be demonstrated that this would reduce downstream flood risk	Short	DfI Rivers Agency	DfI WDPD	
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FRMD Policy 2C	Manage urban areas to reduce surface water run-off and provide flood storage.	FRMD 2C (i) Where appropriate publicly funded drainage schemes should include SuDS.	Short	DfI WDPD & DAERA (RU)	SMG (other members)		
		FRMD 2C (ii) Consideration could be given to utilising public green spaces (e.g. parkland) and low impact areas (e.g. car parks) should be used to sustainably manage rainwater	Short	DfI WDPD & DAERA (RU)	DfI Rivers Agency / NIW / Local Councils		
		FRMD 2C (iii) The possibility of SuDS schemes should be considered in partnership with private owners of large green spaces to address local drainage needs.	Medium	DfI WDPD & DAERA (RU)	NIW / TransportNI / DfI Rivers Agency		
		FRMD 2C (iv) Private owners of large hard surface areas (e.g. shopping centre roofs, car parks) should be encouraged to sustainably manage rainwater on site	Short	DfI WDPD & DAERA (RU)	DfI Rivers Agency / NIW / TransportNI		
		FRMD 2C (v) Consider developing and implementing a strategy for retro-fitting SuDS measures such as rainwater recycling and green roofs into existing properties and the use of permeable surfaces should be encouraged.	Medium	DfI WDPD & DAERA (RU)	SMG (other members)		
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FRMD Policy 2D	Effective education and public awareness on sustainable drainage	FRMD 2D (i) Carry out public awareness and education campaigns to promote the benefits of sustainable drainage systems and flood storage in urban areas.	Short	DfI WDPD / DAERA (RU)	SMG (other members) / Climate NI		
		FRMD 2D (ii) Publicise Flood Maps NI (formerly Strategic Flood Maps) and provide information on flood risk to enable and support communities to be better prepared to face the risk (e.g. provision of sandbags)	Short	DfI Rivers Agency	Regional Community Resilience Group (RCRG) / Climate NI / Local Councils		
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FRMD Policy 2E	Effective watercourse inspection and maintenance	FRMD 2E (i) Government will continue to fund a programme of planned inspection and maintenance of designated watercourses. The work plan will be published annually.	Short	DfI Rivers Agency	Environmental NGOs		
		FRMD 2E (ii) Government will continue to regulate undesignated watercourses and ensure owners of adjacent land carry out appropriate maintenance.	Short	DfI Rivers Agency	Environmental NGOs		
		FRMD 2E (iii) Government will review the approach to watercourse maintenance to ensure that catchment flood risk management is supported	Short	DfI Rivers Agency	Environmental NGOs		
		FRMD 2E (iv) Government should develop and implement a prioritised programme of watercourse improvements and reconnection of rivers with flood plains to manage flood risk on a catchment basis.	Medium	DfI Rivers Agency	Environmental NGOs		

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<b>FRMD Aim 3: Provide Sustainable Integrated Drainage in Rural and Urban Areas</b>						
FRMD Aim 3A	<b>Establish a strategic overview for flood risk management and integrated drainage</b>	FRMD 3A (i) Establish new organisational arrangements for integrated urban surface water drainage investment planning and delivery.	Short	Dfi WDPD	NIW / Dfi Rivers Agency / TNI	
		FRMD 3A (ii) Develop a strategic drainage investment planning process and programme that can be followed to develop plans to manage flood risk across Northern Ireland and inform future investment decisions	Short	Dfi WDPD	Dfi Rivers Agency / TNI / NIW	
		FRMD 3A (iii) Put in place clear arrangements for SuDS design approval, adoption / ownership and on-going maintenance.	Short	Dfi WDPD / DAERA (RU)	SMG (other members)	
		FRMD 3A (iv) If required, make the necessary legislative changes to give effect to these arrangements.	Short	Dfi WDPD	SMG (other members)	
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FRMD 3B	<b>Reduce the amount of rainwater in combined sewers</b>	FRMD 3B (i) Implement a prioritised long-term programme to separate surface water drainage systems (recent development) from combined sewers.	Short & Medium & Long	NIW	TNI / Dfi Rivers Agency / UREGNI / Dfi WDPD	

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		FRMD 3B (ii) Implement a long-term programme of combined sewer separation to reduce flooding, pollution, wastewater costs and facilitate growth.	Short & Medium & Long	NIW	TNI / DfI Rivers Agency / UREGNI / DfI WDPD		
		FRMD 3B (iii) Implement a long-term sewer maintenance programme to reduce ground water sewer infiltration where this is shown to be effective.	Medium & Long	NIW	TNI / UREGNI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
	<b>FRMD Policy 3C</b>	<b>Manage private drainage systems to reduce the risk of flooding</b>	<b>FRMD 3 Collect information on:</b>				
			FRMD 3C (i) the drainage systems of large commercial sites and the Government Estate to identify opportunities for integrated private/public drainage solutions;	Short	NIW	DfI WDPD / DfI Rivers Agency	
			FRMD 3C (ii) unadopted residential sewerage systems to determine the number that need upgraded before future adoption could be considered;	Long	NIW		
			FRMD 3C (iii) privately owned urban drains to identify opportunities to use these systems to sustainably manage future flood risk.	Short	DfI WDPD	NIW / DfI Rivers Agency / TNI	
		FRMD 3C (iv) use this information to help inform the strategic drainage infrastructure plan in FRMD Policy 3A	Short	DfI WDPD			
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	

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Update						
<b>FRMD Aim 4: Improve Flood Resistance and Resilience in High Flood Risk Areas</b>						
FRMD Policy 4A	Develop and maintain accurate information on flood risk	FRMD 4A (i) Continue to update information on the level of flood risk	Short	DfI Rivers Agency		
		FRMD 4A (ii) Develop a central inventory of drainage assets, flood history and flood investment plans within Government.	Short	DfI Rivers Agency	DfI WDPD / TNI / NIW	
<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>						
Update						
FRMD Policy 4B	Continue a flood defence and alleviation programme	FRMD 4B (i) Continue an annual flood and sea defence inspection and maintenance programme.	Short	DfI Rivers Agency		
		FRMD 4B (ii) Continue implementing a prioritised flood defence and alleviation investment programme to reduce the level of flood risk in high risk areas.	Short	DfI Rivers Agency		
<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>						
Update						
FRMD Policy 4C	Reduce the number of properties at risk of sewer flooding	FRMD 4C (i) Maintain a register of properties which have been subject to internal and / or external sewer flooding.	Short	NIW	UREGNI	

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		FRMD 4C (ii) Continue prioritised public sewer investment and maintenance programmes to reduce the amount of properties at risk of internal and / or external out of sewer flooding (eg from hydraulic under-capacity and blockages).	Long	NIW	UREGNI		
		FRMD 4C (iii) Continue NI Water 'Bag it and Bin it' education campaign.	Short	NIW	Partners against pollution - This group includes Councils, CCNI, DfI Rivers Agency, DAERA (RU), DfI WDPD and UREGNI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
FRMD Policy 4D	Deliver a programme of integrated surface water drainage schemes to alleviate localised flooding	FRMD 4D (i) Develop a prioritised programme of local surface water drainage schemes through the Flood Investment and Planning Group (FIPG)	Short	DfI WDPD	NIW / DfI Rivers Agency / TNI		
		FRMD 4D (ii) Fund a prioritised multi-agency programme of integrated surface water drainage schemes to alleviate localised flooding issues.	Short & Medium	DfI WDPD	NIW / DfI Rivers Agency / TNI / UREGNI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
FRMD Policy 4E	Promote the use of Individual Property Protection IPP	FRMD 4E (i) IPP public awareness and education campaigns should be developed and targeted at residents living in high flood risk areas.	Short	DfI Rivers Agency	Local Councils		

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		FRMD 4E (ii) Extend the Homeowner Flood Protection Scheme to non-domestic properties	Short	DfI WDPD	DfI Rivers Agency		
		FRMD 4E (iii) Proposed redevelopment should consider the need for Individual Property Protection in areas of significant flood risk.	Short	DfI Rivers Agency	Local Councils		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
FRMD Policy 4F	Ensure affordable flood insurance continues to be available to households and businesses	FRMD 4F (i) The new flood insurance approach will be publicised when the enabling legislation comes into operation.	Short	DfI Rivers Agency	Climate NI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
<b>FRMD Aim 5: Be prepared for Extreme Weather Events</b>							
FRMD Policy 5A	Provide effective, efficient flood emergency information and communication systems	FRMD 5A (i) Publicise the Flooding Incident Line (FIL) and the information on flooding that is available through the NI Direct website	Short	DoF	DfI Rivers Agency / Climate NI		
		FRMD 5A (ii) Complete the recommendations in the Executive's Review of the Government Response to the Belfast Flooding Events of 27-28 June 2012 to improve the effectiveness of the FIL and its supporting communication and information systems	Short	DoF	DfI Rivers Agency		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	

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Update							
	FRMD Policy 5B	Put in place effective and reliable flood warning systems	FRMD 5B (i) Continue work to introduce a flood warning system appropriate to the level of risk.	Short	DfI Rivers Agency	DfI WDPD	
	<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>						
Update							
	FRMD Policy 5C	Effective flood emergency planning and delivery structures	FRMD 5C (i) Put in place sub-regional emergency planning structures and plans between all drainage providers, emergency services, the Flooding Incident Line, Councils and others to support coordinated local response to flooding.	Short	DfI Rivers Agency	Regional Community Resilience Group / Local Councils	
			FRMD 5C (ii) Continue to support local Community Flood Forums where appropriate.	Short	DfI WDPD	DfI Rivers Agency / Local Councils	
	<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>						
Update							
	<b>EP AIM 1 : Sustainable Environmental Policy and Regulation</b>						



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EP Policy 1A	Sustainable environmental policy	EP 1A (i) Financial and social costs should be taken into consideration in future environmental policy decisions to ensure total costs are weighed up against benefit to the environment.	Short	DfI WDPD & DAERA	NIW / DfI Rivers Agency / UREGNI		
		EP 1A (ii) Government should work in partnership with land owners to encourage sustainable land management practices.	Medium / Long	DAERA (RNRPD / Agri Emissions Branch / Environmental Farming Branch / Food and Farming Group / NIEA River Basin District Managers)	AFBI / NIW		
		EP 1A (iii) Government should work in partnership with land owners to encourage sustainable wastewater collection and treatment within the catchment.	Medium / Long	DAERA (NIEA River Basin District Managers, Food and Farming Group)	NIW		
		EP 1A (iv) Policy makers should work closely with key stakeholders to develop affordable environmental policies which can be programmed into investment plans.	Medium	DAERA (RU) & DfI WDPD	NIW / UREGNI / WI / Local Councils		

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		EP 1A (v) Greater emphasis should be given to longer term planning, including development of shared models, to allow more time to develop and implement sustainable shared solutions which deliver benefits to a number of stakeholders.	Short	NIW / DAERA (RU)	DfI WDPD / UREGNI / AFBI		
		EP 1A (vi) Coordination of future river basin management and flood risk management plans.	Medium	DfI & DAERA (WMU)	NIW / AFBI / WI		
		EP 1A (vii) New policies should factor in climate change predictions on the future quality and quantity of raw water.	Short	DfI WDPD & DAERA (RNRPD & EPD)	NIW / UREGNI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
<b>Update</b>							
	<b>EP Policy 1B</b>	<b>Sustainable environmental regulation</b>	EP 1B (i) A flexible and collaborative approach to environmental regulation should be adopted to encourage sustainable land management; low-energy wastewater treatment and sewerage solutions; sustainable consumer behaviour; and reduce the emphasis on costly high energy solutions and regulatory action.	Medium	DAERA (Regulation Unit / Agri Emissions and Land Branch / NIEA River Basin District Managers	NIW / UREGNI / DfI WDPD / Waterways Ireland	

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		EP 1B (ii) Develop and maintain robust water quality models for rivers, lakes and groundwater to determine the main sources of pollution and inform future regulatory action.	Medium / Long	DAERA (WMU)	NIW / AFBI		
		EP 1B (iii) New policies should factor in climate change predictions on the future quality and quantity of raw water	Short	DfI WDPD / DAERA (RNRPD & EPD)	NIW / UREGNI		
		EP 1B (iv) Develop and maintain diffuse pollution models to enable the effects of nutrient reduction measures adopted in rural catchments to be elevated and identify where further action is necessary to achieve GES	Long	DAERA (WMU)	NIW / AFBI		
		EP 1B (v) Assess the need for more advisory support for farmers to help the control of diffuse pollution impacts in Northern Ireland and the requirements to implement such a system.	Medium	DAERA (WMU, RNRPD, Agri Emissions Branch, NIEA River Basin District Managers, Food & Farming Group)	AFBI / UFU / NIAPA / NIW		
		EP 1B (vi) Increase capacity of River Trusts operating in Northern Ireland.	Medium	DAERA (WMU)	Local Councils / Waterways Ireland		

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		EP 1B (vii) Organise community events to encourage the local community to participate in protecting their environment and to raise awareness of issues.	Medium	DAERA (WMU)	Local Councils / NIW / RCN / NICVA / Groundwork NI / WI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
<b>EP Aim 2 : Sustainably Manage the Catchment to Improve Water Quality</b>							
EP Policy 2A	Sustainable agricultural practices to reduce surface water run - off and leaching	EP 2A (i) Continued implementation of agri-environment schemes	Short	DAERA (RNRPD, Environmental Farming Branch, Food and Farming Branch)	AFBI / UFU		
		EP 2A (ii) Water quality measures in the Environmental Farming Scheme will include support for riverbank fencing, riparian buffer strips and slurry spreading by low emission equipment. These measures will help to address nutrient and sediment inputs to rivers caused by agricultural activity	Medium	DAERA (RNRPD, Environmental Farming Branch, Food and Farming Branch)	NIW / UFU		
		EP 2A (iii) The Land Management Programme under the Northern Ireland Rural Development Programme will provide advisory support to farmers for nutrient management planning and improved land management practices.	Medium	DAERA (Agri Emissions and Land Branch, Food and Farming Branch)	NIW		

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		EP 2A (iv) Review and investigate the effectiveness of constructed wetlands in the reduction of nutrient loadings to inform future policy on farm effluent treatment.	Short	DAERA	AFBI		
		EP 2A (v) Implementation of the Northern Ireland Nitrates Action Programme Regulations for 2015-2018 and the Phosphorus Regulations	Short	DAERA (WMU)	AFBI		
		EP 2A (vi) Ensure that nutrient inputs from agriculture are managed in a sustainable manner to support the agricultural economy and deliver the objectives set out in the River Basin Management Plan for 2027.	Medium	DAERA (WMU, RNRPD, Environmental Farming Branch, NIEA River Basin District Managers)			

**PROGRESS STATUS** PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT

Update -

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EP Policy 2B	Sustainable catchment management to reduce diffuse pollution	EP 2B (i) Rural land owners throughout the catchment should be encouraged to manage and restore land to reduce nutrients being washed or leached into the environment.	Long	DAERA (WMU, RNRPD, Environmental Farming Branch, NIEA River Basin District Managers)			
		EP 2B (ii) Forest Management Plans should contain proposals for the management of riparian areas through the use of native woodland and low intensity techniques - 200ha of riparian native woodland should be planted by 2021.	Short	DAERA (Forestry)			
		EP 2B (iii) The planting of private woodlands, encouraged through forestry grant schemes, are required to meet published standards of environmental protection and practice. These should factor in flood control management through forestry planting.	Short	DAERA (Forestry)			
		EP 2B (iv) Complete research into the issues associated with fracking to enable policy decisions to be taken on future proposals.	Short	DAERA (WMU)	NIW / CCNI		

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		EP 2B (v) Following commencement of the Review of Old Mineral Permission legislation, review existing planning conditions on old mineral planning permissions to ensure they operate in an environmentally sustainable manner	Long	DfI Planning Policy Division	Local Councils			
		EP 2B (vi) Continue to improve compliance with discharge consents regulated by NIEA	Short	NIW	DAERA (RU)			
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>		
Update	-							
	EP Policy 2C	Reducing diffuse pollution from surface water run-off in urban areas	EP 2C (i) Environmental quality requirements should be factored into future guidance on sustainable drainage systems (SuDS).	Short	DfI WDPD & DAERA (RU)	DfI Rivers Agency / DfI Planning Policy Division / Councils / SMG (other members)		
			EP 2C (ii) Environmental quality regulators should work closely with flood risk management and drainage agencies in the design and specification of future SuDS systems.	Short	DfI WDPD & DAERA (RU)	NIW / Local Councils / SMG (other members)		
			EP 2C (iii) The risk of pollution from badly stored commercial waste, contaminated land and extractive industries should be managed through effective regulation and enforcement.	Short	DAERA (RU)			
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>		



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Update						
<b>EP Aim 3: Effective and Efficient Wastewater Collection and Treatment</b>						
EP Policy 3A	<b>Educating consumers to prevent inappropriate items entering the sewerage network</b>	EP 3A (i) Continue school education programmes and public awareness campaigns on the importance of not flushing inappropriate items down toilets and highlight how this can reduce the risk of pollution.	Short	NIW	NI Education Board/ UREGNI / CCNI / DAERA (RU) / TIDYNI	
		EP 3A (ii) Continue education programmes and public awareness campaigns on the importance of correct disposal of FOG and highlight how this can reduce the risk of pollution.	Short	NIW	NI Education Board / CCNI / DAERA (RU) / TIDYNI / Local Councils	
		EP 3A (iii) Establish partnerships with environmental stakeholders to work collaboratively to raise awareness of appropriate FOG disposal.	Short	NIW	DAERA (RU)	
		EP 3A (iv) Consider measures to effectively enforce the new detergent regulations to ban the sale of domestic detergents containing more than 0.5% phosphorous to reduce the amount of phosphorus entering the water environment.	Short	Local Councils		
		EP 3A (v) Should another more sustainable technology or method to mitigate lead plumbosolvency in drinking water become available, NI Water should investigate such options in place of orthophosphate treatment.	Long	NIW	DAERA (DWI)	

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		EP 3A (vi) Develop and introduce measures to reduce the amount of nutrients that enter the wastewater system which have to be removed through end of pipe treatment solutions, prior to discharge to the environment.	Long	NIW	DAERA (RU)		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
	EP Policy 3B	Efficient, effective and compliant wastewater treatment	EP 3B (i) Adopt a holistic catchment based approach to waste water treatment by widening the scope of drainage area (sewer) studies and where necessary include recommendations for treatment facilities.	Short	NIW	DAERA (RU) / UREGNI	
			EP 3B (ii) Complete pilot sustainable wastewater treatment projects to inform a long-term investment programme with the aim of gradually transforming wastewater treatment facilities so that they cost significantly less to operate, whilst simultaneously enhancing compliance.	Short	NIW	DAERA (RU) / UREGNI / AFBI	
			EP 3B (iii) Encourage environmental policy makers, economic and environmental regulators to support development and implementation of sustainable treatment solutions.	Short	NIW & DfI WDPD	DAERA (RU) / UREGNI	
			EP 3B (iv) NI Water resources for appraisal, planning and project delivery should be aligned to deliver solutions that provide the optimum long term benefits.	Short	NIW	DfI WDPD / UREGNI	

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		EP 3B (v) Future development plan zonings should make provision for both wastewater treatment facilities and sustainable drainage systems (FRMD Policy 1B).	Short	Local Councils / NIW / DfI WDPD / DAERA (RU)	DfI Strategic Planning Division		
		EP 3B (vi) NI Water to work with the Planning Authority (Councils) to complete studies (during PC15) to determine locations where new/upgraded WWTWs are needed to help ensure this does not prohibit economic growth.	Short	NIW	Local Councils		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
<b>Update</b>	-						
	<b>EP Policy 3C</b>	<b>Reduce unsatisfactory discharges from the public sewerage system</b>	EP 3C (i) Develop and implement a long- term investment programme focussed on addressing UIDs through storm separation and infiltration reduction (FRMD Policy 3B) facilitating development and contributing to achieving GES in inland and coastal waters.	Long	NIW	DAERA (RU) / DfI WDPD / UREGNI	
			EP 3C (ii) Conventional sewer storage solutions will only be implemented where storm separation and/or infiltration reduction are not viable, or provide an incomplete solution.	Short	NIW	UREGNI	
			EP 3C (iii) Consideration should be given to deploying sustainable treatment solutions (e.g reed beds) to treat problematic overflows before discharge into the environment.	Medium	NIW	DAERA (RU) / DfI Rivers Agency / NIW	

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		EP 3C (iv) Implement a long term programme to provide monitoring of CSOs/Eos prioritised initially on designated bathing and shellfish waters.	Short	NIW	DAERA (RU) / UREGNI		
		EP 3C (v) Remove the "right to connect" surface water drains to the public sewer network in certain circumstances.	Short	DfI WDPD	NIW		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
EP Policy 3D	Sustainable and compliant private sewers and treatment systems	EP 3D (i) Ensure the construction, maintenance and operation of private sewerage systems (PSS) and treatment facilities are effectively regulated to ensure they do not pose any environmental or health risks.	Short	DAERA (RU)	NIW		
		EP 3D (ii) Put in place arrangements to ensure prospective homebuyers will have assurance that the sewerage systems (and on-site waste water treatment systems) are constructed to appropriate standards.	Short	DfI WDPD	NIW / Council for Building Control		
		EP 3D (iii) Develop and implement a strategy for identifying and addressing misconnections between the sewerage system and storm water drains.	Short	DAERA (RU) / NIW	DfI WDPD		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
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<b>EP Aim 4: Maintain Sustainable Levels of Water in the Environment</b>							
EP Policy 4A	Protect water resources through effective regulation and enforcement	EP 4A (i) Review the effectiveness of the drinking water abstraction processes to ensure only water needed for supply and /or treatment is taken from the environment	Short	DAERA (RU)	NIW		
		EP 4A (ii) Complete a review of abstraction licences and introduce flow monitoring and all drinking water sources which are not meeting high or good water resource flow standards in line with the WFD.	Short	DAERA (RU)	NIW		
		EP 4A (iii) Make continuous flow monitoring a condition of all new significant abstraction proposals	Short	DAERA (RU)	NIW		
		EP 4A (iv) Consideration should be given to how water abstraction can be more sustainably managed throughout the day and throughout the year.	Medium	DAERA (RU)	NIW		
		EP 4A (V) Complete research projects to gain an improved understanding of the relationship between groundwater and surface waters so that neither type of water body causes a deterioration in each other or compromise their WFD objectives.	Long	DAERA (RU)			
		EP 4A (vi) Develop biological tools which can be used to assess the ecological impacts of changes in hydrology as a result of abstraction and flow regulation.	Medium	DAERA (WMU)			

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		EP 4A (vii) Ensure the hydropower schemes are designed and operated in a manner that provides renewable energy, in accordance with the NI Assembly and UK Governments targets, in a sustainable manner that support GES or potential and has no significant adverse impact on the environment.	Short	DAERA / DfI Rivers Agency			
		EP 4A (viii) Complete and implement guidance for run-of-river Hydropower Schemes to assist in achieving the objectives of the RBMPs for 2015 and 2021.	Short	DAERA (RU) / DfI Rivers Agency	Waterways Ireland		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
EP Policy 4B	Effective water resource and drought management	EP 4B (i) Guidance should be developed on the process for making drought orders under Article 137 of the Water and Sewerage Services (NI) Order 2006	Short	DfI WDPD	NIW / DAERA (RU) / WI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
<b>EP Aim 5: Improve River and Coastal Water Morphology and Biodiversity</b>							

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EP Policy 5A	Protect and improve freshwater morphology	EP 5A (i) Maintain a guidance handbook to supplement legislation offering control over physical modifications.	Short	DAERA (WMU, RNRPD Water Policy)	Loughs Agency / WI		
		EP 5A (ii) Assess the technical feasibility and cost-effectiveness of restoration measures through the development of the European project RESTORE (Rivers: Engaging Supporting and Transferring Knowledge for Restoration in Europe).	Short	DAERA (WMU)	WI		
		EP 5A (iii) Implement river restoration measures through a prioritised restoration work programme for water bodies showing morphological impact.	Long	DAERA (WMU)	AFBI		
		EP5A (iv) Develop an inventory of schemes completed or planned by DCAL, DARD and Loughs Agency to assist in targeting future investigations	Ongoing	DAERA (WMU)	Loughs Agency		
<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>							
Update							
EP Policy 5B	Protect and improve coastal water morphology	EP 5B (i) Develop and implement measures in the marine environment to achieve good environmental status (GES) by 2020.	Short	DAERA (Marine Division)	NIW / DfI TPSLD / Coastal Local Councils		
		EP 5B (ii) Develop a protocol setting out "best practice" for maintenance dredging activities to assist Port Authorities and Regulators to fulfil their statutory obligations and to ensure compliance with the Habitats, Birds and Water Framework Directives.	Short	DAERA (Marine Division)	DfI Transport Policy		
<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>							



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AIM	POLICY	ACTIONS	ACHIEVEABLE TIMEFRAME (Short / Medium / Long)	LEAD DEPARTMENT DELIVERY BODY	SUPPORTING DEPARTMENT / ORGANISATION	PROGRESS COLOUR CODE
Update	EP Policy 5C	Effective management and control of alien species	EP 5C (i) Manage alien species introductions and control, contain or eradicate existing alien species through the implementation of a co-ordinated management framework across the whole of the island of Ireland.	Long	DAERA (NED)	NICS, AFBI, NPWS, RSPB, Ulster Wildlife Trust, NI and other relevant NGO's, Local Council Biodiversity officers, WI
			EP 5C (ii) Help deliver the aims and objectives of the Invasive Alien Species Strategy for Northern Ireland to minimise the risk of invasive alien species to the economy, environment and society.	Medium	DAERA (NED)	DfC, DfI, Public Bodies, AFBI, NPWS, RSPB, UWT, NI and other relevant NGOs, Local Councils, WI
			EP 5C (iii) The strategy should also have a key objective of contributing to the Convention on Biological Diversity and EU target to halt the loss of biodiversity and the degradation of ecosystem services by 2020 and beyond.	Long	DAERA (NED)	DfI, DAERA, NICS, AFBI, NPWS, RSPB, Ulster Wildlife Trust, NI and other relevant NGO's, Local Councils, WI
			EP 5C (iv) Develop risk assessments and management plans for invasive alien species that are established or likely to become established.	Long	DAERA (NED)	DEFRA, NICS, Public Bodies, AFBI, NPWS, RSPB, UWT, NI and other relevant NGOs, Local Councils, WI

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		EP 5C (v) Target eradication of alien species at a catchment scale for Giant Hogweed and Japanese Knotweed and Spartina Anglica	Long	DAERA (NED)	DfC, Public Bodies, AFBI, NPWS, RSPB, UWT, NI and other relevant NGOs, Local Councils, WI		
<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>							
Update	-						
EP Policy 5D	Sustainable commercial and recreational fisheries	EP 5D (i) Develop programme of salmonid fish habitat improvement work in conjunction with fishery organisations	Short	DAERA	Waterways Ireland		
		EP 5D (ii) Develop robust protocols for considering new shellfish designations / aquaculture licences which take account of compliance costs.	Short	DAERA	DfI WDPD		
<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>							
Update	-						

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EP Policy 5E	Protect and improve biodiversity	EP 5E (i) To develop a more integrated ecosystem approach to terrestrial, marine and freshwater conservation to help safeguard ecosystem services.	Medium	DAERA (WMU)	NIW, Public Bodies, NPWS, RSPB, UWT, NI and other relevant NGOs, Local Councils		
		EP 5E (ii) To address key actions for NI priority habitats and NI priority species.	Medium	DAERA (NED)	Public Bodies, NPWS, RSPB, UWT, NI and other relevant NGOs, Local Councils		
		EP 5E (iii) To contribute to the achievement of a favourable condition on designated sites	Medium	DAERA (NED)	Public Bodies, NPWS, RSPB, UWT, NI and other relevant NGOs, Local Councils		
		EP 5E (iv) By 2020, measures should be in place to conserve the freshwater pearl mussel and other water dependent protected species.	Short	DAERA (NED)	DAERA / Local Councils		

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		EP 5E (v) Halve the rate of loss of water dependant natural habitats and halt their degradation by 2020.	Medium	DAERA (NED)	Public Bodies, NPWS, RSPB, UWT, NI and other relevant NGOs, Local Councils		
		EP 5E (vi) Promote the eradication of existing alien species through stakeholder engagement and the implementation of a co-ordinated management framework.	Long	DAERA (NED)	NICS, Public Bodies, NPWS, RSPB, UWT, NI and other relevant NGOs, Local Councils		
		EP 5E (vii) Promote involvement of farmers in the Northern Ireland Countryside Management scheme as part of the RBMP implementation.	Short	DAERA (RNRPD, Environmental Farming Branch, Food and Farming Group)			
		EP 5E (viii) Promote policies to help ensure long-term sustainable management of ecosystems and delivery of their services	Short	DAERA (RNRPD)	DfI, NIW, WI, Public Bodies, Local Councils		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
<b>WSS Aim 1: Provide Efficient and Affordable Water and Sewerage Services</b>							

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WSS Policy 1A	Effective and efficient system of economic regulation	WSS 1A (i) Continue to regulate NI water to improve operational efficiency and close efficiency gap with water and sewerage companies in the UK	Short	UREGNI	Dfi WDPD		
		WSS 1A (ii) Reduce future regulatory costs for customers by ensuring economic regulation is proportional, targeting those areas where improvements are most needed (and avoid placing unnecessary red tape and regulatory burden on the water industry).	Short	UREGNI / Dfi WDPD	NIW / CCNI		
		WSS 1A (iii) Put in place an effective system of benchmarking NI Water's performance against other utilities	Short	UREGNI	Dfi WDPD / NIW / CCNI		
<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>							
Update	-						
WSS Policy 1B	Manage future costs through innovative management of asset & infrastructure	WSS 1B (i) Continue the current water and sewerage investment policy of prioritising maintenance needs over enhancement	Short	NIW	Other W & S companies / Dfi WDPD / DAERA (RU) / CCNI / UREGNI		
		WSS 1B (ii) Revise the appraisal process for enhancement and maintenance projects to ensure solutions that provide the greatest value for money in terms of whole life costs versus whole life benefits are progressed.	Short	NIW	Other W & S companies / UREGNI		
		WSS 1B (iii) Put effective systems and processes in place to collect and analyse asset information to determine future maintenance and investment needs.	Medium	NIW	Dfi WDPD / UREGNI		

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		WSS 1B (iv) Continue to maintain and implement a Research, Development and innovation strategy with the aim that this will assist improved performance and the delivery of further efficiencies. Where possible full use should be made of opportunities for sharing RDI costs with other organisations	Short & Medium & Long	NIW	UKWIR / WRc / Universities / UREGNI		
		WSS 1B (v) Investment should be made in new technology / systems where it can be demonstrated that these will improve operational efficiency and performance and reduce future operational costs.	Short & Medium & Long	NIW	DfI WDPD / UREGNI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
	<b>WSS Policy 1C</b>	<b>Transform water and sewerage assets and infrastructure through sustainable solutions</b>	WSS 1C (i) Put in place a long-term water strategy to transform the water and sewerage infrastructure/assets base to be less energy intensive through sustainable solutions	Short & Medium	NIW	DfI WDPD / UREGNI	
			WSS 1C (ii) Explore opportunities to invest in renewable energy generation to reduce running costs	Short	NIW	DfI WDPD / UREGNI / DfE	
			WSS 1C (iii) Explore opportunities to generate renewable electricity through innovative management of existing water and sewerage assets such as: generating hydro-power from excess water mains pressure; and installing solar panels at facilities	Short	NIW	UREGNI	

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		WSS 1C (iv) NI Water should carefully plan the early stages of project development and consider risks to project delivery. This may include progressing trial projects and working with stakeholders to identify solutions and secure support that these risks be accepted and managed	Short & Medium	NIW	DfI WDPD / UREGNI		
		WSS 1C (v) Identify and secure sufficient land early in the project phase to give the option of the selection of larger footprint process solutions that typically result in lowering operating costs. This includes purchasing land to accommodate future expansion of works using more sustainable solutions.	Medium & Long	NIW	Local Councils / DfI WDPD / UREGNI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update							
<b>WSS Aim 2: Provide High Quality Services to All Water and Sewerage Customers</b>							
<b>WSS Policy 2A</b>	<b>Provide high service levels to all water and sewerage services customers</b>	WSS 2A (i) Adopt a risk management approach to sustain current levels of overall drinking water quality compliance by addressing ongoing maintenance, local water quality issues and any new/emerging regulatory requirements or identified risks.	Short	NIW	DAERA (DWI) / UREGNI		



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		WSS 2A (ii) Reduce the number of properties that experience unplanned supply interruptions, identify and resolve problems quickly and ensure customer's are effectively informed of planned supply restrictions.	Short & Medium	NIW	UREGNI		
		WSS 2A (iii) Continue to maintain a register of properties at risk of internal and external sewer flooding (due to sewer overloading) and invest to gradually remove all properties from this register (see FRMD Policy 4C)	Medium & Long	NIW	UREGNI		
		WSS 2A (iv) Continue to educate consumers on the importance of not flushing inappropriate items or substances into sewers to prevent the flooding and pollution incidents caused by blockages (see policies EP 3A & FRMD 4C)	Short	NIW	Local Councils / CCNI / other Government Departments / UREGNI		
		WSS 2A (v) Achieve and maintain the sustainable economic level of leakage (SELL) (see DW Aim 3 in Part 2).	Short	NIW	UREGNI		
		WSS 2A (vi) Continue to maintain a register of properties at risk of receiving low pressure and invest to gradually remove all properties from this register.	Medium	NIW	UREGNI		

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		WSS 2A (vii) Develop and deliver an integrated strategic drainage and wastewater infrastructure plan to facilitate future development needs, reduce flooding and protect / improve the quality of water in the environment.	Short & Medium	DfI WDPD	NIW / DAERA (RU) / DoF / SIB / UREGNI / DfI Rivers Agency / TNI / BCC /		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update							
<b>WSS Policy 2B</b>	<b>Maintain accurate information on water and sewerage assets, information and customers views</b>	WSS 2B (i) Collect accurate and reliable information on customer complaints to inform future investment plans.	Short	NIW	CCNI / UREGNI		
		WSS 2B (ii) Consumer research should continue to be completed to inform water and sewerage investment plans. This should include appropriate follow-up work to ensure consumer priorities have been met.	Short	NIW	DfI WDPD / CCNI / UREGNI		
		WSS 2B (iii) Continue to improve the accuracy, reliability, security and consistency of information - customer, financial, management, and asset information.	Short	NIW	CBC Service Provider (ECHO) / UREGNI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update							
<b>WSS Policy 2C</b>	<b>Effective customer education and public awareness</b>	WSS 2C (i) Assess the outputs of previous education and public awareness campaigns to enhance future proposals that will reach a wider audience.	Short	NIW	CCNI / PHA / Local Councils / UREGNI		

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		WSS 2C (ii) NI Water should further develop effective partnerships with other organisations where there are shared benefits of the campaign.	Short	NIW	CCNI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
<b>WSS AIM 3: Provide High Quality Customer Service and Customer Information</b>							
WSS Policy 3A	Consistent, accessible and timely customer information	WSS 3A (i) Continue to keep customers informed with up to date information through a range of communication channels including the website and social media.	Short	NIW	Customer Engagement Oversight Group		
		WSS 3A (ii) Launch a customer self service facility and seek to develop it to their needs and to improve their experience.	Short	NIW	Business Improvement CBC Service Provider ECHO / Customer Engagement Oversight Group		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
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WSS Policy 3B	Improving and measuring the customer experience	WSS 3B (i) NI Water will continue to seek to reduce the number of complaints received year on year	Short	NIW	CCNI / UREGNI		
		WSS 3B (ii) NI Water will develop its ability to resolve issues at the first time of contact, to lessen the need for repeat contacts by defining, measuring and using root cause analysis to improve customer experience.	Short	NIW	CCNI / UREGNI		
		WSS 3B (iii) NI Water should develop in conjunction with its stakeholders, an agreed customer experience measure with a view to bench marking itself against other service providers.	Short	NIW	CCNI / UREGNI		
<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>							
Update	-						
WSS Policy 3C	Helping vulnerable customers in the community	WSS 3C (i) Continue to promote the Customer Care register to ensure those who need to avail of these services are aware of them.	Short	NIW	CCNI / Local Councils / UREGNI / Health & Social Care organisations		
		<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>					
Update	-						

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WSS Policy 3D	Efficient and effective processing of customer bills	WSS 3D (i) NI Water will consider how it may best avail of new technologies to seek to improve the efficiency and accuracy of the meter to bill process	Short	NIW	CCNI / UREGNI		

**PROGRESS STATUS** PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT

Update

**WSS Aim 4: Provide Resilient and Secure Water and Sewerage Services**

WSS Policy 4A	Improve the resilience of water and sewerage assets, infrastructure and systems	WSS 4A (i) Assess the resilience of water and sewerage services, assets and systems to extreme weather events and other risks to inform future investment requirements.	Short	NIW	DAERA (RU) / UREGNI		
		WSS 4A (ii) Commence a programme of investment to improve and maintain the resilience of the wider water and sewerage asset base and systems prioritised as follows: (a) Water supply; (b) Prevention of internal flooding; (c) Prevention of pollution.	Short	NIW	DAERA (RU) / UREGNI		

**PROGRESS STATUS** PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT

Update

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WSS Policy 4B	Effective incident planning and preservation of services	WSS 4B (i) Maintain and review effectiveness of emergency plans, systems and process to preserve service delivery during a major incident.	Short	NIW	DfI / DAERA / Local Councils / UREGNI		
		WSS 4B (ii) Continue to educate and increase public awareness about the importance of insulating supply pipes to prevent bursts and leakage during freezing conditions.	Short	NIW	CCNI		
		WSS 4B (iii) Ensure water and sewerage assets and infrastructure are safe and secure and comply with any Guidance issued by the Department for Infrastructure	Short	NIW	DfI WDPD / UREGNI		
<b>PROGRESS STATUS PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>							
Update							
<b>WSS Aim 5 : Utilise NI Water Assets to provide wider benefits for the environment and the community</b>							
WSS Policy 5A	Manage the NI Water estate to promote recreation, biodiversity and cultural heritage	WSS 5A (i) NI Water should develop and implement a long-term estate management strategy in partnership with key stakeholders to enhance the recreational, biodiversity and cultural/social benefits of its land and assets.	Short	NIW	Councils / DAERA / Tourism NI / DfC / Environment NGOs / Heritage Groups / UREGNI		

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		WSS 5A (ii) Permit access to NI Water land/assets to facilitate recreational activities where it is safe to do so and financial resources permit taking into account the need to safeguard water quality and protect the environment	Short	NIW	Local Councils		
		WSS 5A (iii) NI Water should look for opportunities to enhance or restore biodiversity within its estate including developing partnerships with relevant environmental organisations to achieve conservation aims and priorities.	Short	NIW	DAERA (DWI) / AFBI / Environmental NGOs		
		WSS 5A (iv) Continue to develop partnerships (e.g. SCAMPNI) with other public, community and voluntary sector organisations to deliver sustainable catchment initiatives including extending the SCAMP NI project to all drinking water catchments (see DW Policy 1C in Part 2).	Short	NIW	AFBI / Environmental NGOs		
		WSS 5A (v) NI Water should continue to implement its Biodiversity Action Plan which should be reviewed regularly to meet new or existing requirements in line with the Wildlife and Natural Environment Act (Northern Ireland) 2011.	Short	NIW	DAERA (DWI) / AFBI / Environmental NGOs		
		WSS 5A (vi) Adopt and implement the Protocol for the Care of the Government Historic Estate and develop a long term plan to bring assets covered by this, where necessary, up to a suitable standard and maintain them going forward.	Medium	NIW	Local Councils		



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		WSS 5A (vii) Explore opportunities to celebrate the local water industry's influence on the social, cultural, industrial and natural heritage of Northern Ireland.	Short	NIW	Local Councils / DAERA / Tourism NI / DfC / Environmental NGOs / Heritage Groups		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						
<b>WSS Policy 5B</b>	<b>Using surplus water and sewerage assets to provide recreational benefits for the community</b>	WSS 5B (i) Progress the assessment of "unused" reservoirs to determine the approach to disposal.	Medium	NIW	UREGNI		
		WSS 5B (ii) Develop policy to ensure surplus water and sewerage assets with recreational value are transferred within the public sector where appropriate.	Short	NIW	Local Councils / UREGNI		
		WSS 5B (iii) Ensure future NI Water Estate Management Plan (EMP) is aligned to executive policy on disposal of assets including Community Asset Transfer.	Medium	NIW	UREGNI		
<b>PROGRESS STATUS</b>						<b>PLEASE SELECT CURRENT STATUS OF OVERALL OUTPUT</b>	
Update	-						

**Key:** AFBI

Agri-Food & Biosciences Institute

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	BCC	Belfast City Council				
	CCNI	Consumer Council for Northern Ireland				
	CEOG	Customer Engagement Oversight Group				
	CNI	Climate Northern Ireland				
	DAERA	Department for Agriculture, the Environment and Rural Affairs				
	DAERA (DWI)	Department for Agriculture, the Environment and Rural Affairs - Drinking Water Inspectorate				
	DAERA (EPD)	Department for Agriculture, the Environment and Rural Affairs - Environmental Policy Division				
	DAERA (NED)	Department for Agriculture, the Environment and Rural Affairs - Natural Environment Division)				
	DAERA (RNRPD)	Department for Agriculture, the Environment and Rural Affairs - Regulatory and Natural Resources Policy Division				
	DAERA (RU)	Department for Agriculture, the Environment and Rural Affairs - Regulation Unit				
	DAERA (WMU)	Department for Agriculture, the Environment and Rural Affairs - Water Management Unit				
	DEFRA	Department for Environment, Food and Rural Affairs				
	DfC	Department for Communities				
	DfE	Department for the Economy				
	DoF	Department of Finance				
	DfI	Department for Infrastructure				
	DfI Planning Group	Department for Infrastructure Planning Group				
	DfI TPSLD	Department for Infrastructure - Transport, Policy, Strategy and Legislation Division				
	DfI WDPD	Department for Infrastructure - Water and Drainage Policy Division				
	ECHO	NI Water's call centre provider				

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	Environmental NGOs	Environmental Non-Governmental organisations *lead organisation is the Northern Ireland Environment Link				
	NIAPA	Northern Ireland Agricultural Producers Association				
	NICVA	Northern Ireland Council on Voluntary Action				
	NIW	Northern Ireland Water				
	NPWS	National Parks and Wildlife Service (Ireland)				
	PHA	Public Health Agency				
	RA	DfI Rivers Agency				
	RCN	Rural Community Network				
	RCRG	Regional Community Resilience Group				
	RSPB	Royal Society for the Protection of Birds				
	SMG	Stormwater Management Group				
	TNI	DfI Transport Northern Ireland				
	SIB	Strategic Investment Board				
	UFU	Ulster Farmers Union				
	UKWIR	United Kingdom Water Industry Research				
	UREGNI	Utility Regulator for Northern Ireland				
	UWT	Ulster Wildlife Trust				
	WI	Waterways Ireland				
	WRC	Water Research				