



Belfast Local Development Plan

Submission Topic Paper
2015 Infrastructure Baseline



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1.0 Introduction

- 1.1 The purpose of this report is to set out the baseline position in relation to infrastructure during the formulation of the draft Plan Strategy for Belfast.
- 1.2 An Urban Capacity Study was commissioned for the district as an important part of the evidence base for the emerging LDP. The study was completed in March 2018 and infrastructure considerations were outlined as part of the study.
- 1.3 In addition, the Council commissioned the Belfast Infrastructure Study in July 2018 to consider a phased approach to infrastructure delivery to support the growth outlined in the Belfast Agenda and the LDP. The study is expected to be finalised by autumn 2019.
- 1.4 The projected growth strategy, developed from the integrated assessment of the possible employment and population change, highlighted the need to for the plan to provide for growth that would exceed the Housing Growth Indicators (HGIs). The growth scenarios for the latter part of the projected plan timescales were the subject of ongoing engagement with statutory consultees during the development of the draft Plan Strategy and in relation to the growth strategy articulated in the Belfast Agenda. The emerging longer-term challenges, arising from under investment in wastewater and sewage infrastructure, were identified through work to support the effective exchange of information as part of the Living with Water and other initiatives. Through this engagement the Council and statutory agencies regularly discussed the legacy of approved development and the nature of the potential growth projected for the lifetime of the development plan..
- 1.5 The Council has continued to monitor data in respect of the scale, location and composition of both extant and proposed development to assist NI Water and other consultees in the assessment of infrastructure implications. As part of this engagement NI Water provided information to the Council on wastewater capacity in February 2017 which was outlined in Technical Supplement 15 (TS 15) and informed the Urban Capacity Study¹ (UCS). This initial exchange of information has recently been progressed to a more formal basis through the work on setting up an MOU for the ongoing exchange of data.
- 1.6 This baseline report brings together the information from infrastructure studies alongside the stakeholder engagement work, carried out over a number of years, that informed the draft Plan Strategy development and sustainability assessments.

2.0 Belfast Metropolitan Area Plan (BMAP)

- 2.1 As part of the Local Development Plan (LDP) processes, the Council carried out early work to establish a reference position for the administrative area resulting from the local government reform boundary changes in 2015. This work required an initial review of the inherited position in relation to housing and employment land supply in part arising from the adoption

¹ Detail of the UCS and TS 15 <https://www.belfastcity.gov.uk/buildingcontrol-environment/Planning/ldp-plan-strategy.aspx#tech>

of the Belfast Metropolitan Area Plan (BMAP) in September 2014² and consideration of the changes in the intervening period prior to publication of the draft Plan Strategy. This baseline was developed to inform the plan development and support the assessment of the plan implications in terms of potential growth exceeding the identified commitment and provisions established within the adopted plan (BMAP).

- 2.2 The BMAP was based on an assessed requirement for 82,000 homes and associated infrastructure through the plan implementation (BMAP adoption Statement 2014 Page 4). In Appendix 4 of the BMAP Volume 1 "Plan Strategy & Framework", it states that the Waste Water Treatment Works for the Belfast District were capable of accommodating all development within the catchment area within the plan period (see extract in Appendix A).

3.0 Urban Capacity Study (UCS)

- 3.1 The Urban Capacity Study for the district was commissioned as an important early element of the evidence base for the emerging draft Plan Strategy to inform the growth strategy and assess its implications.. The urban capacity study provided an assessment of the potential to accommodate the future housing and employment growth within the urban footprint.
- 3.2 The methodology incorporated an initial consideration of infrastructure constraints and the opportunity for the phasing of development to provide the opportunity to align any potential new land supply with future infrastructure investment. This will support any phasing required in relation to the plan implementation and review processes and detail for any Local Policy Plan specific allocations or policies.

4.0 Living with Water Programme (LWWP)

- 4.1 Through the LWWP, led by DfI's Water and Drainage Policy Division, the Council has continued to participate in the overall programme management and specific work strands. This sustained engagement has enhanced the available evidence base for all participants and supported the development of pilot initiatives. The information in Appendix B outlines detail in respect of the process and Council engagement.
- 4.2 The LWWP work supports the development of the Strategic Drainage Infrastructure Plan for Belfast (Belfast SDIP) intended to manage the flooding risk in Belfast. The objectives seek to address the risk of infraction under the Water Framework and Urban Waste Water Treatment Directives, in respect of Belfast Lough, whilst supporting economic growth.
- 4.3 High level assessments identified that the sewerage networks and wastewater treatment works serving Belfast require significant investment to support future growth and development. The Executive's North Eastern Flood Risk Management Plan embedded this approach with the identification of the LWWP as the primary measure for managing future flood risk in Belfast.

² Draft BMAP, in its most recent, post-examination form remains a significant material consideration in future planning decisions. It was at the most advanced stage possible prior to formal adoption. The BMAP referred to throughout this document therefore refers to that version as outlined in paragraph 3.2.9 of the dPS.

5.0 Housing and Employment Land Baseline position

- 5.1 The Figure 1 below provides a summary of information from the housing monitor, relevant DSD/DfC and Council Masterplans, planning approvals and housing growth potential from Pre-Application Discussions (PADs) and Pre-application Notifications (PANs). There were 3,076 more housing units proposed in the series of masterplans than are included as remaining supply in the relevant areas of the housing monitor. These were additional units that the Department would have offered no objection to, or at the very least been aware of, on top of the remaining potential set out in the actual monitor. As a simple calculation, adding these 3,076 units to the remaining potential for 2015/16 baseline gives a sub-total of just over 26,500 units.
- 5.2 Then, taking account of the change year on year in the Housing Monitor in terms of completions since 2015/16 results in an additional 267 units, bringing the sub-total to 26,799. Finally, in terms of the PAD's / PAN's, an additional 1,396 units were identified, over and above the corresponding site capacities set out in the 17/18 housing monitor. This gives an overall total of just under **28,200 units**. It should be recognised that planning applications are subject to greater level of scrutiny than allocations or site identification process under the Local Policy Plan process.

Figure 1: Housing Baseline Position

Source	Total No. of residential units arising	Units already accounted for in other sources	Net change in units total
2015 BASELINE (Housing Monitor)	23,456	N/A	23,456
MASTERPLANS*³			
<i>Pre 2015</i>	<i>6,569</i>	<i>5,224 (within 2015/16 Housing Monitor)</i>	<i>+2,542</i>
<i>Post 2015</i>	<i>1,235</i>	<i>3,211 (within 2017/18 Housing Monitor)</i>	<i>+534</i>
Sub-total			+3,076
HOUSING MONITOR			
<i>2016/17</i>	<i>286</i>	<i>714</i>	<i>+428</i>
<i>2017/18</i>	<i>820</i>	<i>659</i>	<i>-161</i>
Sub-total			+267
PADs/PANs since 2015	5,311	3,915	+1,396
TOTAL			28,195

- 5.3 In relation to employment land the summary table (Figure 2) shows the 2015 baseline floor space figure, post 2015 quantum along with the breakdown for extant planning permissions, masterplans, pending application and PADs (Gross sq. metres).

³ Note that some masterplans allude to residential development but no unit numbers are stated

Figure 2: Employment Land Baseline Position

MASTERPLANS	
Pre 2015	Post 2015
363,587 (A)	166,401 (C)
EXTANT PLANNING PERMISSIONS	
Pre 2015	Post 2015
245,108 (B)	224,283 (D)
2015 BASELINE	POST 2015 QUANTUM
608,695 (A+B)	390,684 (C+D)
PENDING APPLICATIONS AND PADS	
N/A	207,648

- 5.4 The extant planning permissions for both pre 31st March 2015 and post 1st April 2015 are in addition to the overall floor space figures for the masterplans. Where a planning permission for employment use falls within a particular masterplan area the total floor space figure has been adjusted accordingly so as to avoid double counting.
- 5.5 The analysis has identified that the quantum of floor space proposed as part of published masterplans and extant planning permissions at the 31st March 2015 was in excess of the 550,000 sq. metres proposed for employment floor space over the plan period 2020-2035. The figure of 608,695 is a conservative estimate. It is likely that this figure is higher especially if the full potential quantum of employment floor space is realised within those masterplans where the floor space figures are not readily available.
- 5.6 Furthermore the quantum of employment floor space post 1st April 2015 that exists through extant planning permissions and published in the suite of masterplans accounts for 390,684 sq. metres. Taking account of this figure and the quantum of floor space contained within pending planning applications and PADs this figure rises to 598,332 sq. metres. Again like the pre 31st March 2015 scenario this is a conservative estimate.
- 5.7 It should be noted in terms of this exercise that there are a number of caveats which need to be taken into account. These are as follows:
- Every effort has been made to remove any duplications from working spreadsheets that have been used to formulate the tables. That said, it cannot be guaranteed that there is no duplication in terms of figures identified within the suite of masterplans or within the extant planning permission tables.
 - No assumptions have been made on potential floor space where no figure for employment use is specified. Therefore the figures quoted for the total quantum of employment floor space for both pre April 2015 and post April 2015 Masterplans is likely to be a significant underestimation especially if the full development potential of these masterplans is real.
- 5.8 The assessment at this stage confirmed that economic growth would be accommodated within the existing urban area within proximity to existing infrastructure.

6.0 Belfast Infrastructure Study

- 6.1 The Belfast Strategic Issues Group⁴ in October 2017 highlighted the need for an Infrastructure Plan for Belfast. The Council requested that DfI, as the infrastructure authority, consider the option of co-clienting and providing financial support for the production of an Infrastructure Plan. The engagement with DfI from October 2017 to January 2018 considered co-clienting but it was agreed that DfI would contribute to the study as stakeholder with an agreement to share information and documentation rather than through a partnership for procurement.
- 6.2 The procurement was commenced in April 2017 for the appointment of consultants to support the development of the Belfast Infrastructure Study. The study objectives were to assess the quality and capacity of the existing provision of infrastructure and establish a realistic phased approach to infrastructure delivery to support the growth strategy of the Belfast Agenda and the LDP. The study encompassed a range of infrastructure sectors: utilities; water and flood risk; telecommunications; energy; waste and strategic transport. Engagement has taken place during the formulation of the study with key public sector stakeholders, including NI Water, NIE and Department for Infrastructure. Details of the engagement are outlined in Appendix C.
- 6.3 The evidence review undertaken during the initial assessment for the procurement specification included consideration of potential capacity issues within the existing systems and the projected infrastructure demands across the city. The study was commissioned to identify infrastructure priorities and interventions. Where infrastructure constraints are identified, it is recognised that there may be a need to phase the delivery of residential or employment space to align with infrastructure investment. This will be considered in more detail as part of the Local Policies Plan, informed by the pending Belfast Infrastructure Study. This was identified as being an integral element in ensuring that monitoring, review and phasing are effective in the plan led system introduced through the changes in legislation that became operational from 2015.
- 6.4 It should be noted that DfI have indicated, at a number of events, that work on a regional Infrastructure Plan was underway. At the 'Planning across Boundaries in a Changing Context' (October 2017) and a Strategic Planning Group meetings (See Appendix C) it has been suggested that the plan would look ahead to 2040/2050 and take account of the demographic, economic and technological changes that will affect the region over that period. This work has not, however, progressed to point where it could provide a context for the dPS related work.
- 6.5 Since November 2017, the Council has also been involved in securing the Belfast Region City Deal (BRCD). The goal for this initiative is to ensure up to £1 billion of co-investment from a range of sources and investment in infrastructure is one of the key elements.

⁴ BSIG is a high level group of officials from Executive Departments and BCC set up in March 2016 to enable a strategic perspective to be applied to challenges and opportunities across the Belfast area.

7.0 Sustainability Appraisal

- 7.1 In parallel to developing the draft plan strategy, a Sustainability Appraisal (SA) incorporating a Strategic Environmental Assessment (SEA) was carried out. The key aim of the SA is to ensure the LDP is sustainable and responsive to its social, economic and environmental effects by identifying key issues, significant impacts and ways to mitigate negative effects. An assessment of strategic options and alternatives for the local development plan policies was undertaken and the draft plan strategy was appraised under 19 objectives of the SA framework.
- 7.2 An appraisal of the policy options and alternatives considered all relevant implications and this included the correlation between location of new homes/employment land and subsequent impact on existing infrastructure. The SA recognised that phasing of development may be required to ensure adequate infrastructure provision is place.

8.0 Summary

- 8.1 In developing the dPS the Council carried out baseline analysis on infrastructure provision and carried out associated studies. The baseline analysis carried out by the Council provided assurance for the projected growth set out in the draft Plan Strategy based on the Urban Capacity Study assessment and adopted plans/ policies This provided the basis for the engagement with statutory consultees through the Development Management process by providing the context in terms of the quantum of approvals within the system and existing infrastructure requirements associated with consents.
- 8.2 The continued refinement of the Housing Monitor alongside the UCS, during the period up to the draft Plan Strategy finalisation ensured more effective evidence for the assessment of projected infrastructure requirements by the relevant statutory bodies. The ability to consider individual proposals in the context of the existing baseline and emerging proposals will continue to support more effective decision making. The Council will continue to engage with statutory agencies in relation to both the legacy development and the nature of the potential growth emerging over the lifetime of the development plan.
- 8.3 The Council is currently completing the Belfast Infrastructure Study, which will help identify where investment may be needed and the associated risks. This ongoing process has been based on open engagement with infrastructure providers. The data inform future reviews and enable the issues of future infrastructure requirements or phasing to be addressed for additional land supply at the LPP.

Appendix A: Extract from Belfast Metropolitan Area Plan - Plan Strategy & Framework Volume 1 (Page 107)

APPENDIX 4		
Sewage Infrastructure – Waste Water Treatment Works		
Belfast District		
CATEGORY I		
City/Town/Village/ Small Settlement	Wastewater Treatment Facility	Comment
Belfast	Belfast	Satisfactory and capable of accommodating all development within its catchment that is proposed in the Plan through the Plan period.
	Kinnegar	Satisfactory and capable of accommodating all development within its catchment that is proposed in the Plan through the Plan period.
	Whitehouse	Satisfactory and capable of accommodating all development within its catchment that is proposed in the Plan through the Plan period.
Hannahstown	Belfast	Satisfactory and capable of accommodating all development within its catchment that is proposed in the Plan through the Plan period.

Appendix B: Council Engagement with DfI on LWWP

Living With Water Programme - Board and Associated Meetings

Members –

External – Department for Regional Development (DRD) – now Department for Infrastructure (DfI), NI Water (NIW), Rivers Agency, Transport Northern Ireland (TNI), Northern Ireland Environment Agency (NIEA), Department of Finance and Personnel (DFP) – now Department of Finance (DoF), Utility Regulator (UR), Strategic Investment Board (SIB), Department of Agriculture and Rural Development (DARD) – now Department of Agriculture, Environment and Rural Affairs (DAERA), Department of Environment (DoE) – now Department for Infrastructure (DfI), Department for Communities (DfC), Arup, Water UK, RPS Consulting Engineers (RPS), Water and Drainage Policy Division (WDPD).

Internal – Belfast City Council (BCC)

Date	Host (and attendees)	Issues
Strategic Drainage Infrastructure Programme (SDIP) Board 1		
16 January 2015	DRD (now DfI), NI Water, DARD (now DAERA), DoE (now DfI), BCC, DFP (now DoF), SIB, TNI	Presentation on Overview of Strategic Drainage Infrastructure Issues Terms of Reference Development of Project Initiation Document Learning Opportunities
SDIP Board 2		
18 March 2015	DRD (now DfI), NI Water, DARD (now DAERA), DoE (now DfI), BCC, DFP (now DoF), SIB, TNI	Presentation on UK Sewerage Road Map Project Initiation Document
SDIP Board 3		
27 May 2015	DRD (now DfI), NI Water, Rivers Agency, DoE (now DfI), BCC, DFP (now DoF), TNI	Project Initiation Document Work Programme Risk Register Glasgow Visit
SDIP Board 4		
11 September 2015	DRD (now DfI), NI Water, Rivers Agency, TNI, DoE (now DfI), NIEA, DFP (now DoF), SIB, BCC	PID, Progress Glasgow Visit – Lessons Learned & Actions Outline Programme Forward View Work Package Launch Workshop Future Progress Reporting Risk Register
Work Package Launch Workshop		
28 September 2015	DRD (now DfI), DARD (now DAERA), TNI, DFP (now DoF), NI Water, DoE (now DfI), SIB, BCC	SDIP Work Packages 1-13 Organisation Quality Risk & Issue Management Progress & Reporting
Work Package 1 Steering Group Meeting		
6 October 2015	DRD (now DfI), DARD (now DAERA), TNI, BCC, NI Water	Work Package Terms of Reference Progress – Data Gathering Exercise Programme of Works Interface Management Resources Forward View Issue & Risk Management
Work Package 2 First Steering Group Meeting		
22 October 2015	Rivers Agency, DRD (now DfI), BCC	Work Package Terms of Reference: Introduction; Objectives and Outputs; Scope; WP Interfaces;

		Resource Requirements; WP Steering Group Membership & Meetings all agreed. Progress Update Programme of Works Interface Management Resources Forward View Issue and Risk Management
LWWP Board Meeting 5		
8 December 2015	DRD (now Dfl), NI Water, Rivers Agency, TNI, DoE (now Dfl), NIEA, DFP (now DoF), UR	Progress Overview WP Special Focus – WP13 Stakeholder Engagement WP Special Focus – WP12 Future Financing Programme Critical Path Forward View Dfl Creation Risk Register
Strategic Drainage Infrastructure Programme Board		
19 December 2015	DRD (now Dfl), NI Water	Overview of Strategic Drainage Infrastructure Issues Development of Project Initiation Learning Opportunities
LWWP Board Meeting 6		
11 February 2016	DRD (now Dfl), NI Water Rivers Agency, TNI, DoE (now Dfl), NIEA, DFP (now DoF), BCC, UR, SIB	Progress Overview ISNI Process WP Special Focus – WP5 (Marine Modelling) & WP6 Drainage Area Planning WP Special Focus – WP9 (Management of Flood Risk in Belfast) Programme of Works Forward View Stakeholder Engagement Risk Register
LWWP Board Meeting 7		
12 April 2016	DRD (now Dfl), DoE (now Dfl), NI Water Rivers Agency, TNI, NIEA DFP (now DoF), BCC, UR SIB	Progress Overview ISNI Update WP Special Focus – WP1 Belfast Capital Works Programme WP Special Focus – WP2 Private Drainage Infrastructure Programme of Works Forward View Stakeholder Engagement Risk Register Handover of LWWP Board Chair
LWWP Board Meeting 8		
16 June 2016	Dfl, NI Water, Rivers Agency, TNI, NIEA DFP (now DoF), BCC, UR, SIB	Progress Overview WP1 (Belfast Capital Works Gap Analysis & Integration) Programme of Works ISNI Submission WP5 Ecosystem Modelling WP10 – Planned Approach Stakeholder Engagement Risk Register
LWWP Board Meeting 9		
15 September 2016	Dfl, NI Water, Rivers Agency, TNI, DAERA, DoF, BCC, UR	Progress Overview: Board Progress Overview Report; Forward View Programme of Works

		<p>NI Water Proposal for Extended WFD Deadline WP5 Marine Modelling – Update WP12 Funding – Update WP6 Drainage Area Planning for Belfast Programme Initiation Document Risk Register – Risk 11,13,15,16</p>
LWWP Board Meeting 10		
17 November 2016	DfI, NI Water, Rivers Agency, TNI, NIEA, DoF BCC, UR, SIB, DAERA	<p>Progress Overview Programme – NI Water Proposal for Extended WFD Deadline WP5 Marine Modelling – Update (Scoping Study, VT4 Extension) WP12 Funding – Update Surface Water Flood Risk Responsibility Review Stakeholder Engagement – Progress – Forward View Risk Register</p>
LWWP Board Meeting 11		
12 January 2017	DfI, NI Water, Rivers Agency, NIEA, DAERA UR, TNI, DoF, SIB, BCC	<p>Progress Overview: Board Progress Overview Report; Forward View Programme and WP5 Special Focus on a Work Package – WP12 Funding Improved Surface Water Management Stakeholder Engagement Internal Audit Draft Report Risk Register LWWP Programme Manager Handover Plan</p>
LWWP WP1 Steering Group Meeting		
21 February 2017	DfI LWWP, DfI WDPD DfI Rivers, NI Water, TNI BCC	<p>Progress to Date: Data Gathering Exercise – Map Final Report Forward View</p>
LWWP Board Meeting 12		
23 March 2017	DfI, NI Water, Rivers Agency, NIEA, DAERA UR, TNI, DoF, BCC, RPS	<p>Progress Overview: Board Progress Report; Stakeholder Engagement; Benefits Delivered Schedule LWW Programme and Environmental Approvals Process WP5 – NI Wastewater Marine Steering Group: Proposal for the WFD Deferral; Modelling to Inform BHC VT4 Marine Licence Application; WP7 Belfast WwTW Appraisal Improved Surface Water Management Workstream Internal Audit Final Report and Risk Register</p>
LWWP Board Meeting 13		
13 June 2017	DfI, NI Water, NIEA DAERA, UR, DoF, SIB BCC	<p>Progress Overview LWWP Board Decisions Risk Register</p>
LWWP Board Meeting 14		
2 October 2017	DfI, NI Water, Rivers Agency, NIEA, DAERA UR, TNI, DoF, SIB, BCC Arup	<p>Integrated Drainage Investment Planning (linking to Board Paper 1) Progress Overview: Board Progress Overview Report; Revised Action Plan – Internal Audit Report; Revised TOR & Risk Registers for WP5,6&7; Endorsement of the WP5 Report LWWP Board Decisions: Programme Approvals Process (SOC); SEA and HRA Process; IDIP; WP12 Interim Report Risk Register & Issues Log</p>

LWWP Board Meeting 15		
29 November 2017	DfI, NI Water, UR, DoF, BCC, NIEA, DAERA, Arup Water UK	Water UK 21 st Century Drainage Programme Integrated Drainage Investment Planning Project (WP11) Progress Overview LWWP Board Decisions Risk Register
LWWP Board Meeting 16 & WP11 Steering Group		
25 January 2018	DfI, NI Water, Rivers Agency, NIEA, DAERA, UR, TNI, DoF, SIB, BCC	Update on IDIP Project (WP11) Progress Overview LWWP Board Decisions Risk Register & Issues Log
LWWP Board Meeting 17		
15 March 2018	DfI, NI Water, UR, NIEA BCC, DfI Rivers, DfI Roads, DoF, Arup, DAERA	Update on SDIP Development Feedback from IDIP Workshop 14/3/18 Progress Overview LWWP Board Decisions Risk Register & Issues Log
LWWP Board Meeting 18		
24 May 2018	DfI, NI Water, DfI Rivers NIEA, DAERA, UR, TNI DoF, SIB, BCC, DfC, Arup	Belfast City Council Presentation – Capital Works Programme; Peace IV; Linkages with LWWP Update on SDIP Development – Draft Structure/Layout Update on IDIP Project WP4 Belfast Environmental Drivers Update NI Water Update on WP5,6&7 Progress Overview – Review of Communications Strategy Risk Register & Issues Log
LWWP Board Meeting 19		
19 September 2018	DfI, NI Water, DfC, DoF, UR, DfI Rivers, BCC	Progress Overview – DfI Update; NIW Update; NIEA Update LWWP Board Papers: BP1 – IDIP Process; BP2 – Revised Risk Register & New Issues Log; BP3 – Programme Assessment Review (PAR)
LWWP Board Meeting 20		
24 January 2019	DfI; DfI Rivers, DfI WDPD; DfI Roads, NIEA DAERA, NI Water, UR, DoF, SIB, BCC, DfC	LWWP Board Papers: BP1 – Progress to Date; BP2 – Changes to Governance Structure following PAR Review Way Forward – Outline of Next Steps

Appendix C: Belfast Infrastructure Study engagement and associated meetings

DfI Ministerial Meeting with BCC		
20 October 2016	BCC Chief Executive & Party Group leaders	Programme for Government & Belfast Agenda Local Government Plan Planning Infrastructure Investment Urban Resilience
Infrastructure and Planning Tool Meeting		
27 October 2016	BCC Smart Cities Northern Ireland Electricity Future Cities Catapult BCC LDP	Explain functionality of Infrastructure & Planning Tool Show methodology used in Infrastructure and Planning Tool for Manchester Data required, assumptions, limitations Electricity-related features in Infrastructure and Planning Tool for Manchester
Infrastructure and Planning Tool Meeting		
27 October 2016	Belfast City Council Smart Cities Northern Ireland Electricity Future Cities Catapult BCC LDP	Explain functionality of Infrastructure and Planning Tool Show methodology used in Infrastructure and Planning Tool for Manchester Data required, assumptions, limitations Electricity-related features in Infrastructure and Planning Tool for Manchester
Headroom Capacity at Belfast WWTW		
24 January 2017	NI Water BCC LDP	Water supply Growth WWTW Capacity New drainage area study SuDs guidance Provision of catchment area information
Belfast Agenda and Corporate Priorities		
28 March 2017	BCC Belfast Agenda Programme Manager Director of Planning BCC LDP	Overall breakdown of actions emerging from the Belfast Agenda. Corporate planning and programming process diagram Status update and sense check Approach & immediate actions Governance – internal and external Inter-dependencies
NI Water		
1 October 2017	NI Water - Asset Lifecycle Planning Manager BCC LDP	Integrated Drainage Investment Planning (linking to Board Paper 1) Progress Overview: Board Progress Overview Report; Revised Action Plan – Internal Audit Report; Revised TOR & Risk Registers for WP5,6&7; Endorsement of the WP5 Report LWWP Board Decisions: Programme Approvals Process (SOC); SEA and HRA Process; IDIP; WP12 Interim Report Risk Register & Issues Log

Belfast Strategic Issues Group		
3 October 2017	BCC (Chief Executive), Ulster University, Dept. of Education, Dept. of Finance, Dept. for the Economy, Dept. of Health, Dept. for Infrastructure, The Executive Office, Dept. of Agriculture & Rural Development	Belfast Region City Deal Belfast Infrastructure Study European Capital of Culture Bid 2023 Project Updates
A joint RTPI Ireland and RTPI Northern Ireland conference - Planning Across Boundaries in a Changing Context		
24 October 2017	Dfi BCC RTPI members	Spatial Planning - Dept. of Housing, Planning, Community and Local Government, Irish Government - Dept. for Infrastructure, Regional Planning Unit, Northern Ireland Connecting Locally - Derry City and Strabane Council & Donegal County Council Transboundary Effects of Brexit Effects on Public Confidence and Delivery of Major Infrastructure
LWW and Green & Blue Infrastructure		
3 November 2017	NI Water BCC LDP	Living With Water Overview Green & Blue Infrastructure
Internal Stakeholders Infrastructure Plan Meeting		
3 November 2017	BCC CC BCC LDP	Context of the Infrastructure Plan. Obtain input into the specification from all internal stakeholders; identifying requirements, synergies, overlaps and duplications. Discuss/agree level of consultation needed. Review associated documentation/information. Share any outstanding ideas and inputs.
Infrastructure Planning		
13 November 2017	Director of Planning Policy Division, Director of Water & Drainage Policy, Director of Transport Strategy Division, BCC LDP, BCC CC	To allow the strategic direction of proposal to be discussed and agreed with decisions cascaded to officers for implementation.
Strategic Planning Group		
21 December 2017	Dfi Planning Policy Division Mid & East Antrim Council Causeway Coast & Glens, Fermanagh & Omagh Council, NILGA, Strategic Investment Board. Dept. for the Economy , BCC	RHI Continuous Improvement Policy Context - Dfi Regional Infrastructure Plan - BMAP - LDPs
Dfi/BCC Business case for Investment		
2 February 2018	Dfi BCC	Update of Belfast Region City Deal Progressing the Business Case for Investment for Belfast Timeline Governance Resources

Infrastructure Planning		
11 February 2018	BCC Chief Executive BCC City Solicitor BCC Strategic Director of Place and Economy BCC Director of Planning and Building Control DfI Permanent Secretary Deputy Secretary - Transport and Resources Group DfI Deputy Secretary	Infrastructure planning for the city Infrastructure Plan Living With Water Residents Parking Schemes Car Parking Strategy Transport Hub East Belfast Depot Impact of all Infrastructure Projects BRT Phase 2 Local Development Plan Belfast Metropolitan Transport Strategy/Plan Financing
Belfast Infrastructure Study		
15 February 2018	BCC, Ulster University, Dept. of Education, Dept. for Economy, Dept. for Communities, Dept. for Infrastructure, Dept. of Finance, Dept. of Health, Dept. of Justice, Dept. of Agriculture and Rural Affairs, Northern Ireland Civil Service, Executive Office	Update BSIG on the Belfast Business Case for Investment (previously Infrastructure Plan)
Belfast Infrastructure Study		
04 April 2018	BCC CC BCC LDP	Draft Plan structure for discussion
BCC/NI Electricity Meeting		
8 August 2018	BCC CC NIE BCC Sustainability Manager	NIE Call for Evidence Belfast Infrastructure Study BCC future electric needs – Fleet/ City Deal Sustainable Energy
Belfast Infrastructure Study		
27 September 2018	Arup, Head of Living with Water Programme, NI Water Head of Investment Management, DfI, Living with Water Programme Manager, NIEA, DfI Rivers, Director of Compliance and Network Operations of Utility Regulator, Chief Inspector of Drinking Water, BCC CC	Water utility roundtable session Living with Water Programme (LWWP) Holistic scope System leakages BIS clarifications Political Climate Insights into water Moving forward and Working together Aiming for the Objectives

Sustainable Water - A Long-Term Water Strategy for Northern Ireland		
8 October 2018	DfI, BCC	Principles of Sustainable Water Strategy Actions Planning policies for managing flood risk/flood maps Climate change Sustainable Drainage Systems Capacity of wastewater treatment works Reservoirs Partnering between Councils and DfI to develop policies
Belfast Infrastructure Study Vision Workshop		
6 November 2018	BCC , NI Water, Action Renewables, Institute of Civil Engineers (ICE), Strategic Investment Board, Virgin Media, Invest NI, Ulster University, Dept. for the Economy, BCC Smart Cities, Dept. for Infrastructure, Belfast International Airport Translink, Queens University, NIE, Pheonix Natural Gas, SONI, ARC21, DAERA, NI Renewables Industry Group, Belfast Harbour	Exercise 1: Looking towards 2035 Exercise 2: Infrastructure interventions Report back
Meeting with LWWP re Infrastructure Study		
9 July 2019	Head of Living with Water Programme, NI Water Head of Investment Management, Arup on behalf of BCC for Belfast Infrastructure Study, NIW	Overview of NI Water's PC21 Outline Capital Submission (OCS) and LWWP OCS Arup Questions
Meeting with Belfast City Council and NI Water		
31 July 2019	NI Water, BCC Director of Planning and Building Control, BCC Strategic Director Place and Economy Dept., BCC LDP, BCC CC, Head of Living with Water Programme	NI Water briefing on Critical funding for Vital Infrastructure

Belfast Planning Service

Belfast City Council
Cecil Ward Building
4-10 Linenhall Street
Belfast BT2 8BP

 www.belfastcity.gov.uk/LDP

 planning@belfastcity.gov.uk

 028 9050 0510

 @belfastcc

 @belfastcitycouncil

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