



June 13th, 2022

**TO: The Right Worshipful the Mayor, Aldermen and Councillors
of Lisburn & Castlereagh City Council**

A **Meeting of Lisburn & Castlereagh City Council** will be held on **Monday, 13th June 2022** at **6:00 pm** in the Council Chamber and remote locations for the transaction of the business on the undernoted agenda.

For those Members attending this meeting remotely, the Zoom details are included in the Outlook invitation that has been issued.

A light buffet will be available in Lighters Restaurant from 5.30pm.

Members are requested to attend.

DAVID BURNS
CHIEF EXECUTIVE
LISBURN & CASTLEREAGH CITY COUNCIL

Agenda

1.0 Apologies

2.0 Declarations of Members' Interests

- (i) conflict of interest on any matter before the meeting (Members to confirm the specific item)
- (ii) pecuniary or non-pecuniary interest (Member to complete disclosure of interest form)

3.0 Northern Ireland Water Presentation - 'Overview of Planned Infrastructure Investment during Price Control 2021/22 to 2026/27'

The following officers from NI Water will be in attendance at the meeting:

Dr Stephen Blockwell - Head of Investment Management, Asset Delivery Directorate

Mark Mitchell – Head of Capital Delivery, Asset Delivery Directorate

Dr Gary Curran - Head of Metering & Billing, Customer & Operations Directorate

📎 *Lisburn & Castleagh City Council presentation - June 22 Draft.pdf*

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📎 *LCCC pre meeting questions June 22 final_.pdf*

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Lisburn & Castlereagh City Council Meeting - 13th June 2022

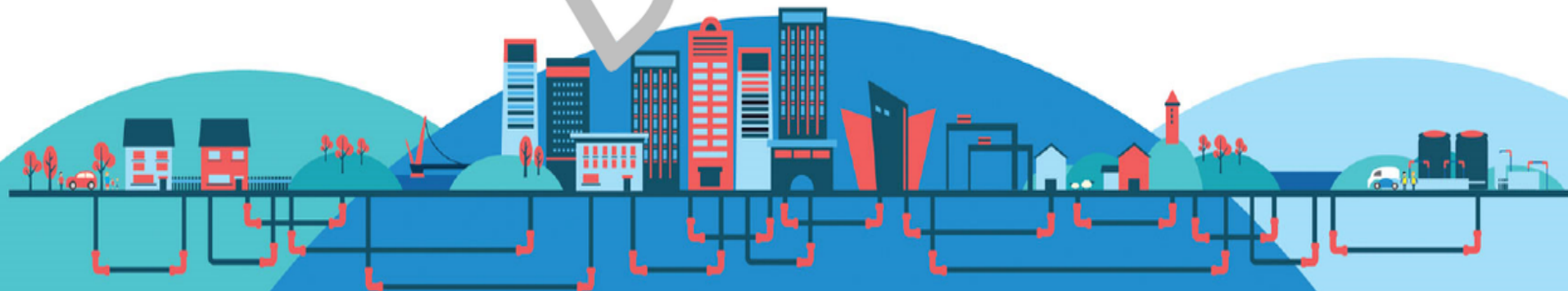
Overview of Planned Infrastructure Investment during Price Control 21 (2021/22 to 2026/27)

Dr Stephen Blockwell - Head of Investment Management, Asset Delivery Directorate

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Dr Gary Curran - Head of Metering & Billing, Customer & Operations Directorate

Dedicated 24/7 Elected Representative Hotline: 0345 3006461



Lisburn & Castlereagh City Council area



Lisburn & Castlereagh City LDP Ambitions

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Vision:

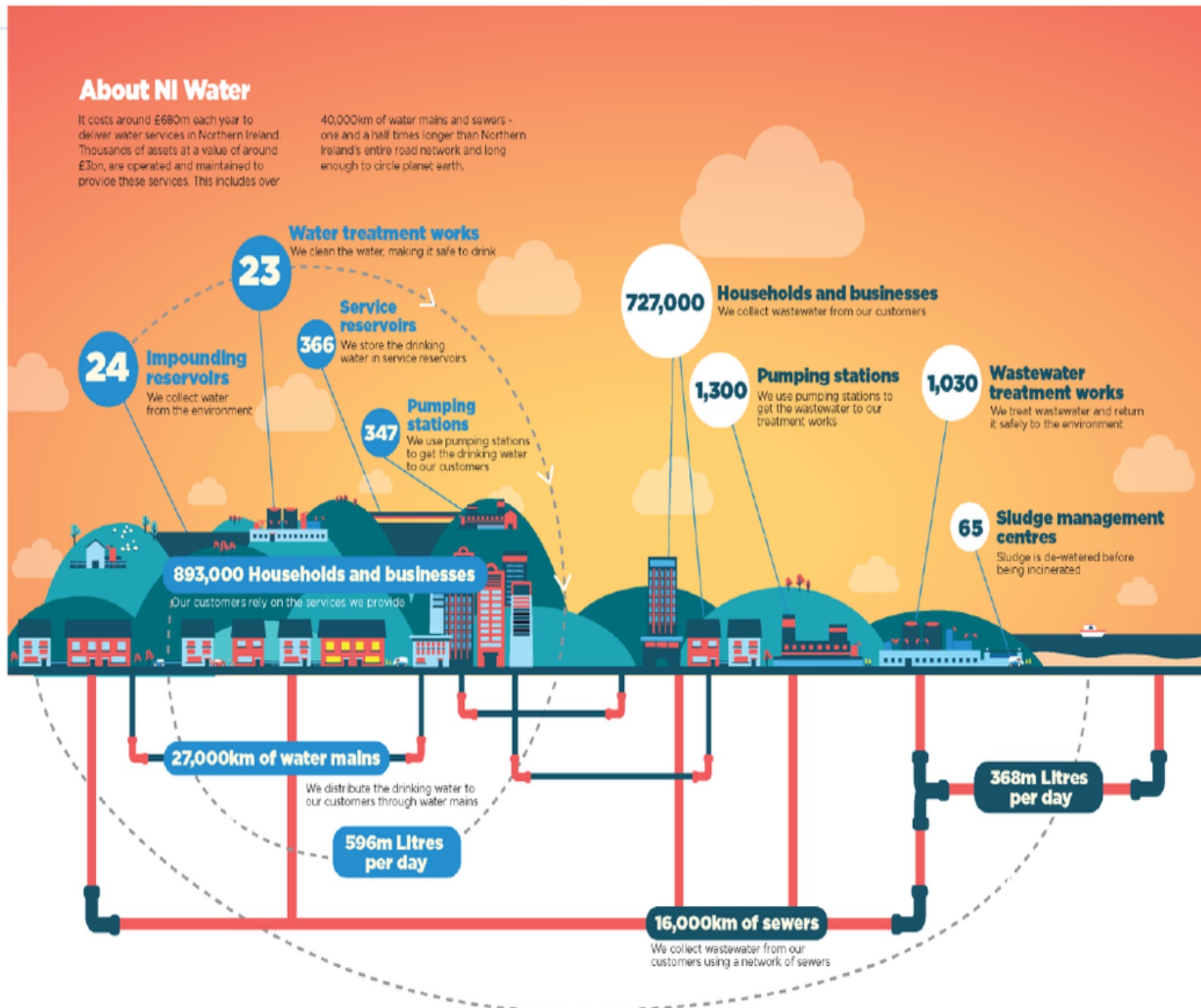
The Local Development Plan (LDP) will respond to the needs of the community in providing a sustainable economy, society and environment. It will support a thriving, vibrant and connected place in which people live, work, visit and invest; and an attractive, green and quality place which will enhance the wellbeing and quality of life for all.

Local Development Plan Objectives –

Six plan objectives have been developed to deliver the vision of Local Development Plan:

- **A Quality Place** – Enabling Sustainable Communities and Delivering 11,550 new homes
- **A Thriving Place** – Driving Sustainable Economic Growth
- **A Vibrant Place** – Growing the City, Town Centres, Retailing and Other Uses
- **An Attractive Place** – Promoting Sustainable Tourism, Open Space, Sport & Outdoor Recreation
- **A Green Place** – Protecting and Enhancing the Historic and Natural Environment
- **A Connected Place** – Supporting Sustainable Transport and Other Infrastructure

NI Water: Vital Infrastructure

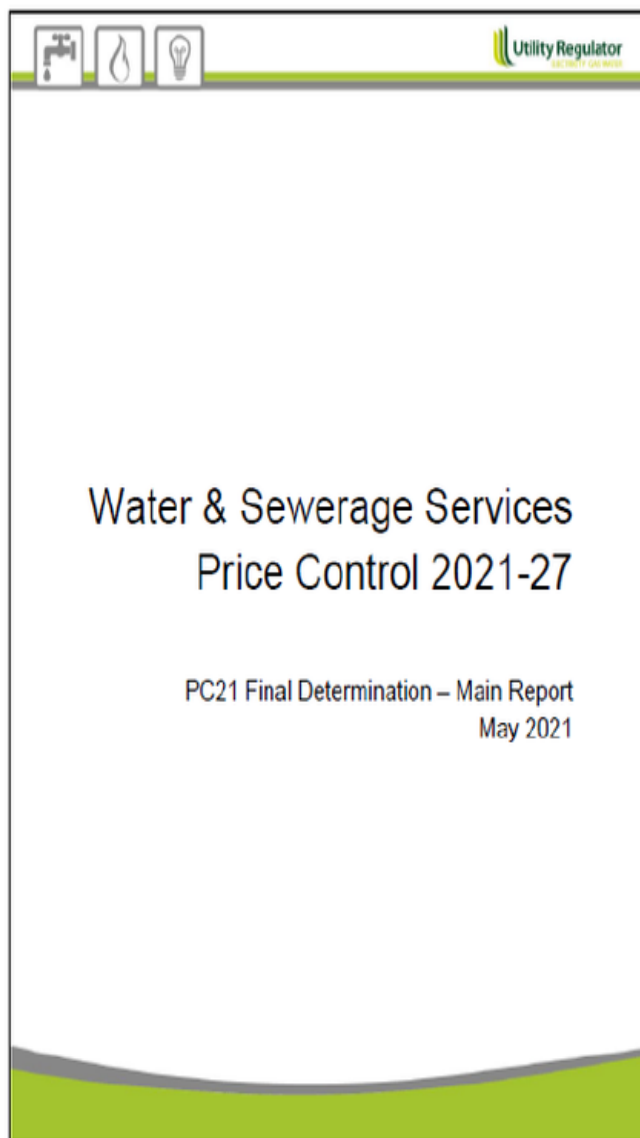


NI Water – Essential Workers

- NI Water frontline workers and contractors continued to work across Northern Ireland 24/7, throughout the COVID-19 crisis to maintain essential services.
- Every day, NI Water's key workers continued to supply clean, high quality drinking water;
- Our wastewater teams collected and treated waste.
- Water for handwashing was critical to killing the virus and was a leading weapon in the battle against Covid-19.
- We followed Government health advice to ensure customers and staff stayed safe.
- NI Water implemented extensive safety processes so we could continue to deliver key water and wastewater services to you.



PC21 Final Determination



- PC21 FD published on 13th May 2021
- Company Acceptance 6th July 2021
- Focus moving immediately to funding the FD

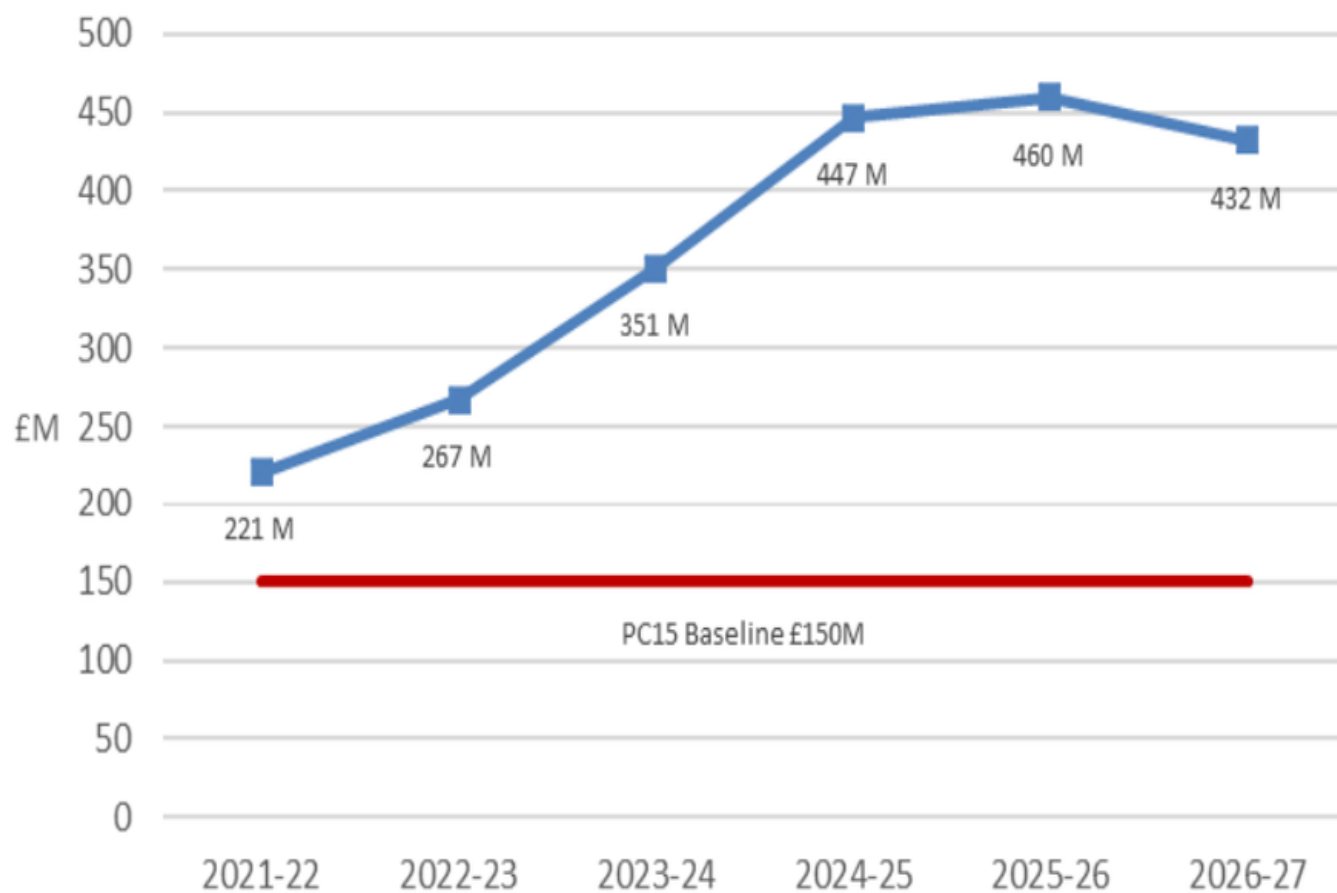
Final Determination Highlights

- NI Water Efficiency Journey Recognised
 - Challenged to reduce annual operating costs by £15.4M
 - **Overall Opex £1.3bn**
- Enhanced Capital Investment Need Recognised
 - Delivering £117M of capital efficiency
 - **Overall Capex £2.2bn**

Capital Expenditure – PC15 vs PC21

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PC21 Capital Programme Projections



Our PC21 Capital Plan requires approx. £2.2bn of critical capital investment over the 6 year period.

The £2.2bn capital investment is divided between the following service areas:

- Sewerage Provision =£1,062M
- Planned/Reactive Maintenance =£440M
- Water Provision =£168M
- Capital Programme Running Cost =£321M
- Planning for the future & M&G =£187M

Key Challenges for NI Water



Energy Market Volatility



Development Constraints



Continued funding through PC21



Climate Change Emergency



Completed during PC15 – Maghaberry Wastewater Treatment Works Upgrade

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- £4 million investment
- New works constructed on site of existing works
- Facilitating future development in the area and expansion of Maghaberry Prison
- Improving water quality in the Glen River and River Lagan



PC21 Investment in Wastewater Services in Lisburn & Castlereagh City Council

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Project Name	PC21 £m Estimated Cost
Lisburn WwTW - Control Panels and Primary Tank Scrappers	1.9
Kinnegar DA- Brooklands Ave Sewerage (UID)	0.19
Kinnegar DA- Brooklands Crescent WwPS (UID)	1.33
Kinnegar DA- Comber Road Sewerage (UID)	0.23
Kinnegar DA- Comber Road WwPS (UID)	1.37
Kinnegar DA- Cumberland Road Sewerage (UID)	0.26
Kinnegar DA- Grand Prix Park Sewerage (UID)	0.22
Kinnegar DA- Millars Lane SPS Sewerage (UID)	0.21
Kinnegar DA -Moat Pk/Upper Newtownards Rd Sewerage (UID)	0.32
Newtownbreda DA- Knockbrackan CSO	6.77
Newtownbreda DA - Mill Road West CSO	3.71
Moira DA Waringfield WwPS	1.10
Dromara WwTW	0.60

18.20

KEY:

DA = Drainage Area

CSO = Combined Sewer Overflow

UID = Unsatisfactory Intermittent Discharge

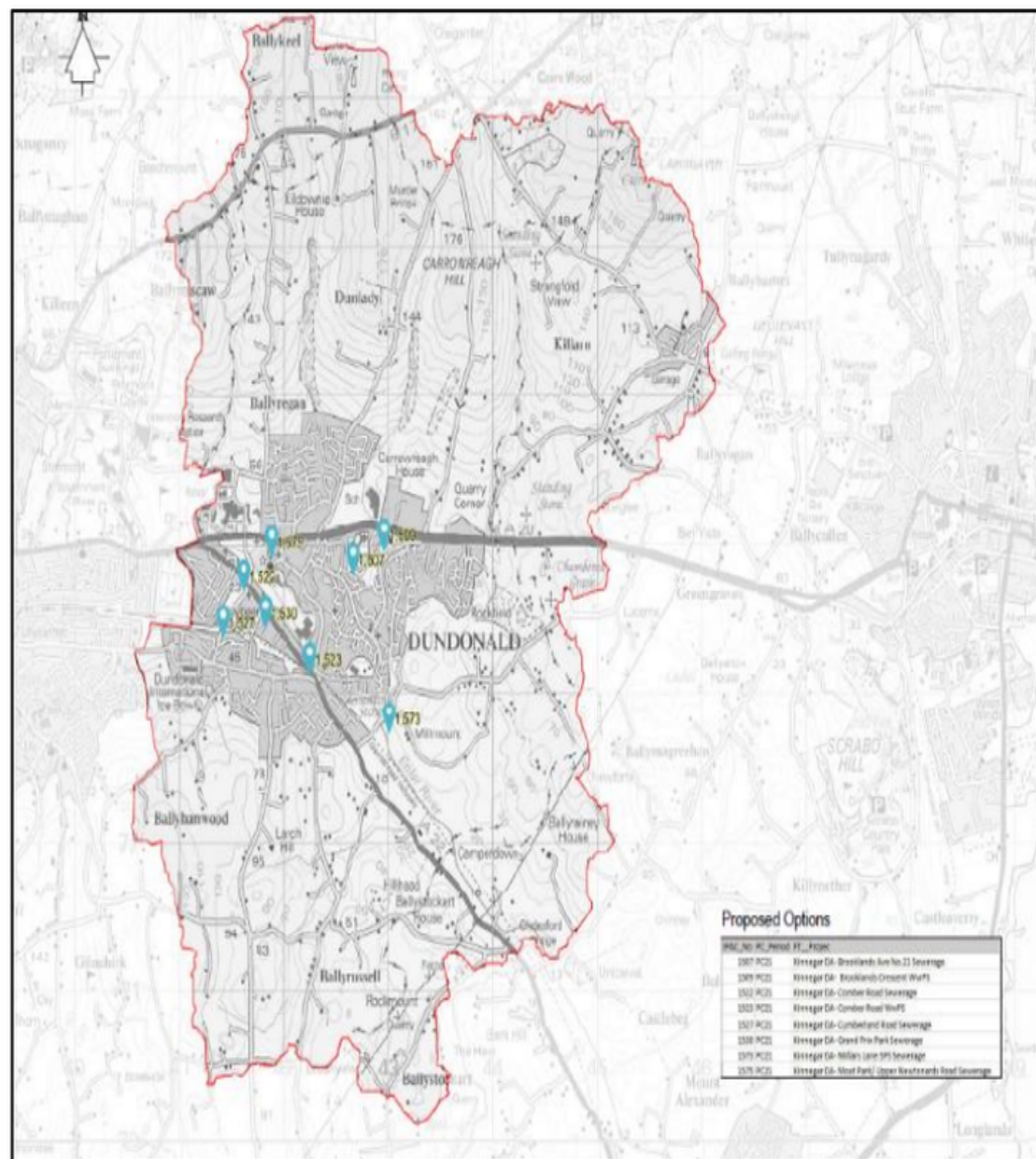
SPS = Sewage Pumping Station

WWPS = Wastewater Pumping Station

WwTW= Wastewater Treatment Works

Proposed Investment for PC21 – Kinnegar (Dundonald) Drainage Area Study

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- Pollution from eight Unsatisfactory Intermittent Discharges identified.
- Resolution included with PC21 Investment Profile (subject to securing funding)
- Quick wins scheduled for 2023/24 investment year

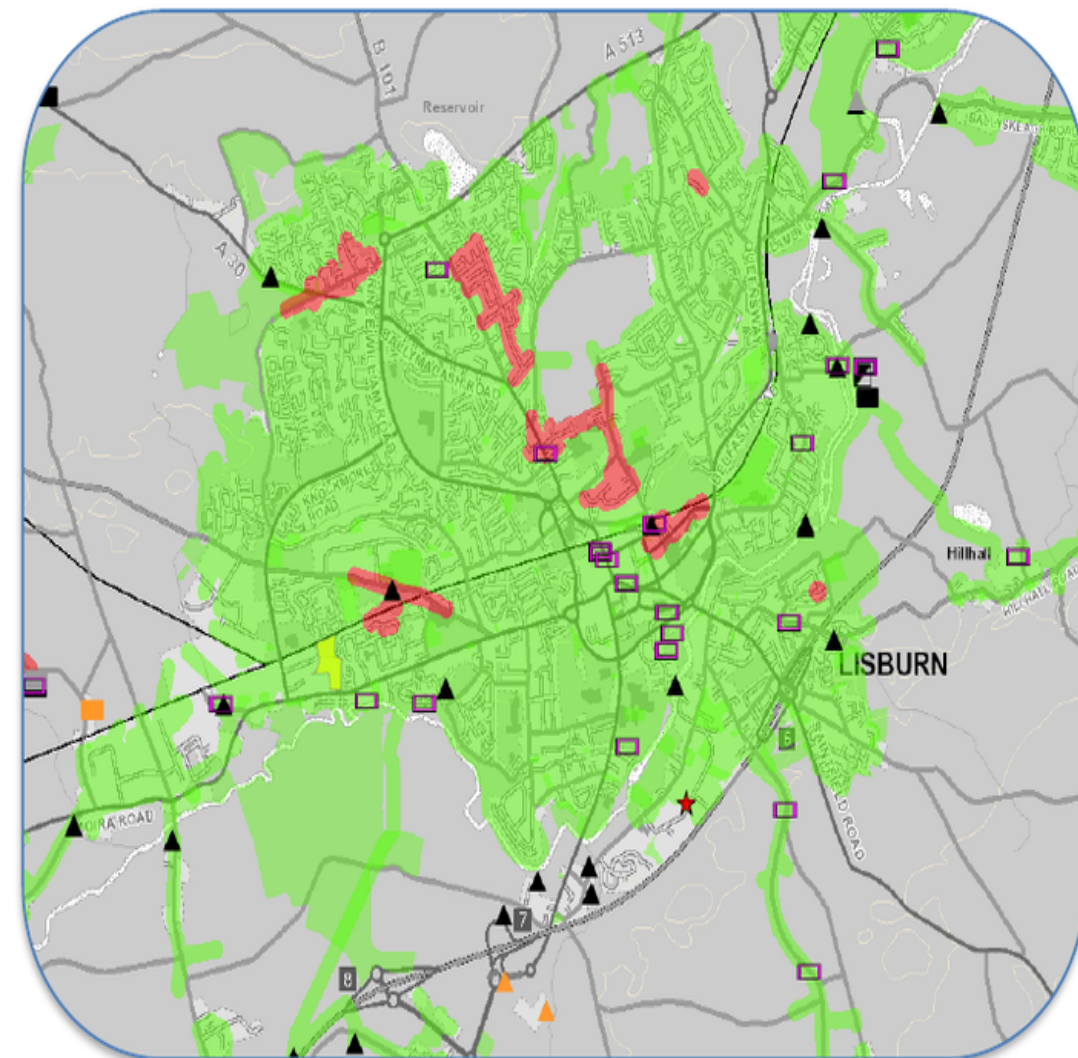
Proposed Investment for PC21: Lisburn Wastewater Treatment Works Base Maintenance

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- Lisburn WwTW was commissioned in 1989
- The WwTW performs well, however, the electrical control equipment requires updating.
- PC21 Business Plan estimate = £2m
- Current estimate = £8m (subject to funding)

Feasibility Study – New Wastewater Treatment Works for Lisburn South



- Capacity issues with Lisburn sewer network causing development constraints
- Majority of new development located on the western side of the city
- To service this growth would require flows to be transferred through the existing constrained sewer network to Lisburn WwTW

Feasibility Study – New Wastewater Treatment Works for Lisburn South

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Options under consideration

Upgrade existing Lisburn WwTW

- Pump flows from West Lisburn through the constrained sewer network to the existing WwTW
 - Significant disruption to lay new sewers through the City Centre
 - Major upgrade of existing works to handle increase in flow
 - + Use of existing site owned by NI Water

Construct a new WwTW in West Lisburn


- Construction of a new works on green field site
 - Land acquisition required
 - Planning permission required for new site
 - EIA required
 - + Provide increased capacity at both WwTW to cater for 30 year horizon, unlocking development constraints
 - + Avoid significant disruption to Lisburn City Centre

*** New works likely to be constructed during PC27 period subject to available funding**



Development Constraints and the Way Forward

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- Historic underinvestment in Wastewater Systems has resulted in Economic Constraints.
 - Sustained investment will be needed for 15 – 20 years.
 - Committed to maximising the infrastructure we have:
 - Early engagement via Pre-Development Enquiries is essential
 - Robust planning responses, with conditions are necessary
 - Use of Developer led and financed solutions, noting budgetary implications.
 - NI Executive sets NI Water's level of investment.
- 

What is NI Water doing to address the Economic Constraints Problem?

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- **Two level approach:**
 - **Strategic level** - we have sought significant funding to update our networks & treatment works over the next 6 years.
 - **Tactical level** - we are looking to design and construct, Developer led and financed solutions, on a bespoke site by site basis.
- **A Development Constraints Project Team has been put in place which will provide:**
 - Additional resource
 - New processes and procedures
 - New responses to planning requests
 - Direct engagement with Developers/Agents/Designers
 - **Solutions Engineering Team**
 - A new Developer Services website with refreshed branding and a more intuitive site/ page design, plus an information leaflet on NI Water capacity solutions was launched during March 2022.
- Key action for NI Water is to ensure **early** two way **dialog and engagement** continues with all significant parties.

Lisburn & Castlerea City Council area:

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Examples of the Solutions Team Providing Practical Engineering Options

Site Location	Solution	No of Units
Gobrana Road Glenavy - S1 Issued	Storm offsets – outside the site	19
BEGNEY HILL ROAD, DROMARA - S1 Issued	Storm offsets – outside the site	29
Lands at the former Rolls Royce Factory, Dundonald - S1 Issued	Storm offsets – within the site	153
Ballymaconaghy Road (mount Ober)	Storm offsets – outside the site / Phased development - Pumping station	150
Ballymaconaghy Road, Castlerea	Storm offsets – outside the site / Phased development - Pumping station	198
Old Kilmore Rd, Moira	Storm offsetting outside the site & pumping station	36
360 Saintfield Road Belfast	Storm offsetting outside the site & pumping station	85 Houses, 24 Apartments and 1 Nursing Home
Meadowvale Park, Carryduff - S1 Issued	Potential future solution only – to be brought forward in assessment. Off-setting will be required to address the existing network capacity issues and Belvoir Park CSO.	110
81 Ballynahinch Road, Carryduff S1 REPORT ISSUED	Potential future solution only – to be brought forward in assessment. Off-setting will be required to address the existing network capacity issues and Belvoir Park CSO.	11

S1 – Initial assessment by NI Water

Further 9 sites currently at assessment stage

NI Water Campaigns and Education Provision

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- Customer care register and Text alert service Sign up at <https://www.niwater.com/customer-care-register/>



- Bag it and bin it




- Water efficiency

- Refillution



- The Education team have visited 22 schools both virtually and in person in the Lisburn & Castlereagh City area over the last 2 years.

Summary

- The Utility Regulator's PC21 Final Determination was £2.2bn with a significant efficiency challenge
 - NI Water can provide major infrastructure upgrades to enable future economic growth
 - We need continued investment funding
 - NI Executive must secure the funding necessary to deliver the investment in Water and Wastewater required
 - As Elected Representatives you can bring that message back to your Stormont Parties on behalf of your Constituents
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northern ireland
water



Delivering what matters



LISBURN & CASTLEREAGH CITY COUNCIL

Questions for NI Water Officials June 2022

PROJECT NAME/AREA	QUESTION	Response
Cllr Jonathan Craig	NI Water's plans to replace pipework in Rosevale Park, Barley Hill and Huguenot Drive has held back the resurfacing of these roads for three years, yet no work has commenced – when will this work start?	<p>Rosevale Park, Barley Hill and Huguenot Drive are identified in the PC21 Lead Pipe Replacement Programme.</p> <p>NI Water were only made aware of the resurfacing work in April 2021, and since that time, we have completed 2 Lead Pipe Replacement schemes (Kensington Park & Knockagh Road) to facilitate DfI Roads re-surfacing programme in the Lisburn area.</p> <p>At present, due to the Covid 19 pandemic, we are currently behind schedule and would endeavour to commence work on Lawnmount Crescent LPR scheme in this financial year. However, if resurfacing is a priority for the council, NI Water can facilitate the work in the latter years of PC21 if required.</p>
Cllr James Tinsley	<p>LA05/2022/0193/F is a planning application in LCCC area.</p> <p>NIW has responded and in short are saying that the water mains are at a low capacity, so they will not connect to mains.</p>	NI Water initially provided a negative planning response to this application for a single unit at 22 Hallstown Road, as NI Water's watermain records showed that this property was located within a 'red' low pressure zone.

	<p>They will consider on the other hand an impact assessment carried out at a cost of approx. £2500 + VAT, with no guarantee of approval even if this is done.</p> <p>Will this be for every planning application in the countryside?</p>	<p>The response has recently been reviewed as detailed pressure logging investigations were undertaken on site which established that the property can be served from the existing water infrastructure. This means that a Water Impact Assessment is no longer required, and the application response is being revised accordingly.</p> <p>Where development is proposed within an area where there are existing capacity issues with the infrastructure (water and /or wastewater), NI Water may request that an Impact Assessment is submitted.</p> <p>Regarding single unit applications NI Water is investigating alternative ways of assessing these.</p>
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