

Fergus O'Brien RainScape Strategy Manager

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Contents

- Who we are
- What is RainScape
- Investment plans
- Challenges
- Customers and Partnerships



Who we are

- One of 10 Water & Sewerage undertakers
- Since 2001, the UK's only non-shareholder utility company:
 - All gains go to customers
 - By 2015, some £300 million returned to customers
- Safe & reliable drinking water supply and deal effectively with wastewater for:
 - 1.4 million household customers
 - 110,000 business customers



A woman with blonde hair, wearing a high-visibility yellow jacket with reflective silver stripes, stands in an industrial setting. She has her arms crossed and is looking directly at the camera. The background shows various pieces of industrial machinery, including pipes and valves. A large teal teardrop-shaped graphic is overlaid on the left side of the image, containing white text.

Our vision

We will earn the
trust of our
customers every day.

RainScape = separation of surface water runoff from combined sewers

- Safeguard our communities & the environment from impact of climate change and growth

- Example Llanelli – What’s the problem?

- Hills and mountains result in rapid surface water runoff
- Former industrial area: narrow terraced streets & little green space
- Sewer network dates from 19th century
- Sewer flooding and shellfish water quality concerns
- Conventional storage not technically feasible



The Loughor Estuary



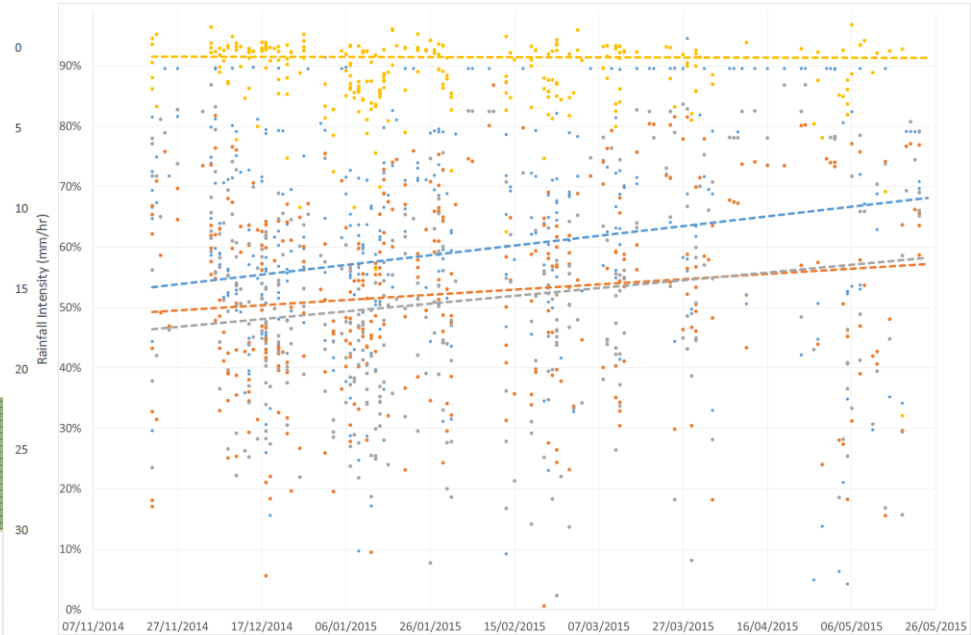
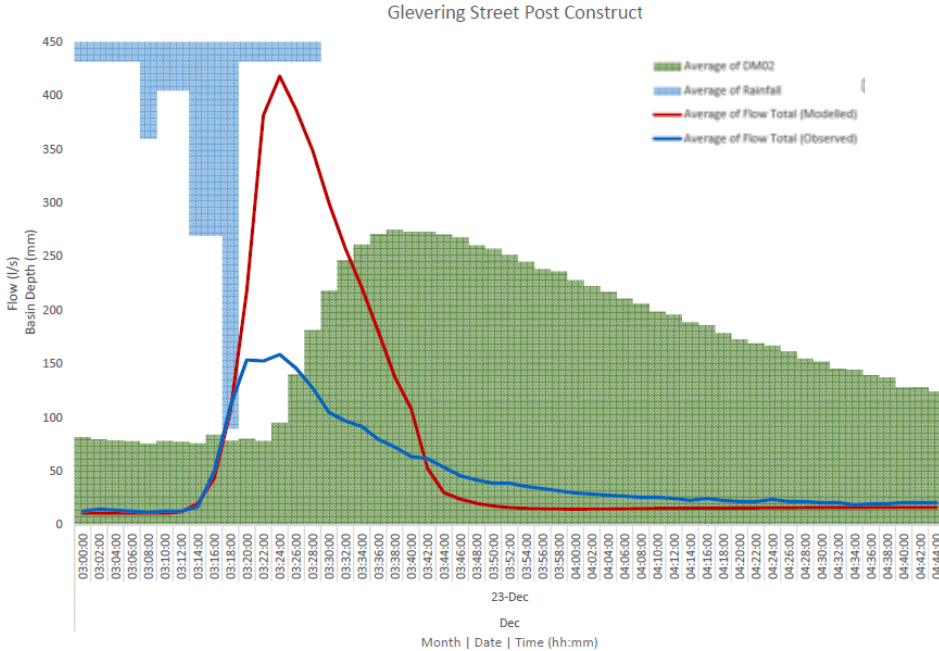
Our answer - RainScape

The Sustainable alternative

- Installing solutions across Llanelli based on international best practice
- Partnership and Customer communication critical
- Civil Engineering Project of the Year 2014 (British Construction Industry Awards)



Performance monitoring



RainScape in Wales

- RainScape = sustainable service improvement
- £60m between 2015 to 2020
- Benefits local community
 - Environmental improvement and reduced sewage flooding;
 - Greener communities; enhanced biodiversity; reduced carbon footprint; better air quality.
 - Local community involved in developing schemes e.g. local schools



Customer focus



 **RainScope**
Helping reduce flooding in Bury Port



May 2015 Earning the trust of our customers every day

Welsh Water will shortly be starting work on a RainScope project in your community. We are investing £2 million on this essential work in Bury Port, to help manage rainwater flow and protect your community from the risk of sewer flooding. RainScope will catch, hold and slow down the speed at which rainwater enters the local sewer network, helping to reduce

sewerage flow & climate change information.



We know that our work can cause disruption, and we really appreciate you bearing with us.



rainscope.co.uk



 **GlawLif**
Mae'n blwch plannu hwn yn helpu atal llosgydd yn Llanelli. Mae'r plannig yn dal i dyfu - diolch am eich amynedd.

 **RainScope**
This planter helps prevent flooding in Llanelli. The plants are still growing - please bear with us.

 **GlawLif.co.uk**
RainScope.co.uk
01443 482 335

Flexibility



Working in partnership – Glevering Street

Solution:

- Range of elements, including basins, planters, grassed strips in rear lanes and kerb drainage
- All work done under agreement with the Highways Authority as we were working on their assets

Ownership/Maintenance:

- Assets vested with Carms Council
- Maintenance to be agreed

Funding:

- Part funded by the European Regional Development Fund via Welsh Government



Working in partnership - Excelsior St, Waunlwyd

Solution:

- Connect flows from former school into highway drain
- Connect land drainage into highway drain
- New foul only sewer and de-vest combined sewer
- New headwall and improvements to drainage ditch


Ownership/Maintenance:

- De-vested combined sewer, highway drainage, headwall and drainage ditch owned and maintained by Blaenau Gwent CBC
- New foul sewer owned and maintained by DCWW

Funding:

- Part funded by the European Regional Development Fund via Welsh Government





Thank you
Any questions?