SuDS delivery & ODIs – what does it all mean?

Jonathan Glerum

Flood Risk Manager, Anglian Water
Anglian Northern RFCC Member

Overview

1. Developing an ODI
2. Identifying opportunities
3. Some examples
Asking the questions...

Willingness to pay

[Flooding] was discussed... internal sewage flooding was totally unacceptable and should be tackled whatever the cost.

Concluded that some level of risk of sewer flooding must be accepted.

Sewer flooding described as “the worst form of service failure”.

They felt a solution had to be cost effective.

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Willingness to pay

Customers are prepared to select improved levels of service if they were judged to offer 'value for money'.

SuDS solutions are preferred to hard engineering solutions such as sewer and storage construction.

Participants also supportive of AW working in partnership, and learning from other regions and countries in tackling these issues.

Willingness to pay

Limited understanding of SuDS initiatives.

Viewed as having limited application in practice and not effective in achieving widespread reductions in flood risk.

Participants felt that the cost should not just be borne by Anglian Water, but also be others such as flood and highways authorities.
Outcomes and ODIs

• Outputs → Outcomes

• Some outcomes include:

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Satisfied customers</td>
<td>Reduced flooded properties, all causes of flooding, includes severe weather events &amp; transferred assets</td>
</tr>
<tr>
<td>Fair charges</td>
<td>Value for money</td>
</tr>
<tr>
<td>Flourishing environment</td>
<td>Bathing waters = excellent</td>
</tr>
<tr>
<td>Caring for communities</td>
<td>Community perception, better places to live</td>
</tr>
<tr>
<td>Investing for tomorrow</td>
<td>Delivering infrastructure improvements</td>
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</tbody>
</table>

• Outcome Delivery Incentives (ODIs) with £ or reputational incentives
Our ODIs

- Sewer Flooding:
  - Internal and External
  - Purpose – to reduce the number of properties flooded from sewers
- Deliver sustainable solutions – e.g. SuDS
- Numbers include:
  - All causes (overloaded and other causes)
  - Includes severe weather events and transferred assets

Sustainable solutions ODI

- Percentage of sewerage capacity schemes incorporating sustainable solutions e.g. SuDS
- Target = 25%
**Curved path of achievement**

Number of sustainable schemes delivered each year of AMP6

- Year 1: 2 schemes
- Year 2: 8 schemes
- Year 3: 10 schemes
- Year 4: 14 schemes
- Year 5: 16 schemes

**New build SuDS**

- Continue to offer adoption of SuDS
- Certain challenges currently exist
- Working through these at present
  - Method of adoption
  - H&S
  - Liability
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Why?

“...we will incentivise their consideration and use more widely than currently. As we gain experience in considering sustainable solutions, we may be able to find ways to address some other problems that are currently not cost-beneficial using traditional solutions.”
Increased flexibility

- External flooding (WTP)
- Return periods (1:30 vs 1:100+CC)
- Deferring/avoiding investment
- Additional drivers (i.e. properties not reported to AW, but reported to LLFAs)

Sewerage schemes

<table>
<thead>
<tr>
<th>Total number of schemes</th>
<th>Potential for sustainable solutions</th>
<th>25% of each business case</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sewer flooding</td>
<td>75</td>
<td>10</td>
</tr>
<tr>
<td>Partnership funding</td>
<td>45</td>
<td>28</td>
</tr>
<tr>
<td>Sewage Treatment Works (supply demand)</td>
<td>38</td>
<td>3</td>
</tr>
<tr>
<td>Sewerage projects</td>
<td>34</td>
<td>13</td>
</tr>
<tr>
<td>Coastal waters</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>198</td>
<td>56</td>
</tr>
</tbody>
</table>
Susdrain – a journey towards sustainable drainage

Working together

• Integral member of 21 flood risk partnerships
• LLFA Partnerships
  – Strategy groups
  – Operational/mgt groups
  – Local groups
  – T&F groups
• Parishes/Flood Forums
  – Support across the region

• RFCCs (3 in AW region)
  – Main committee
  – Local choices/sub-committees

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Susdrain – a journey towards sustainable drainage

14/06/2016

Jonathan Glerum – Anglian Water

Grays – Ward Avenue

Kettering – Rothwell Rd
Kettering – Rothwell Rd

Norwich – Orchard Close
Norwich – Orchard Close

Norwich – Orchard Close
Lowestoft – All Saints Rd
Lowestoft – All Saints Rd