

Caru Cymru Local Trial Template

Local Authority:	Newport	
Project Title:	Pill House of Multiple Occupancy (HMO) intervention	
Issue addressed:	Litter, incorrectly presented household waste, fly-tipped bulky items, anti-social behaviour (including drug litter and stashed knives).	
Brief outline:	To introduce Euro-bins and bin housing. This should enable the HMO to better contain their waste and increase recycling. The target area is to be cut-back and generally improved. The bin housing will have historic images of the locality.	
Timescales:	Start Date: August 2021	End Date: March 2023
Finances / Spend		

Project Outline

What is LEQ problem?	<p>Litter, waste and other LEQ issues in a specific area in Pill. The main issue is that the waste receptacles at the start of the project were the standard 120 litre black bin with little option to recycle. This then causes an influx of excess waste bags placed next to the bin. The area is also impacted by wider fly-tipping such as sofas, beds, and televisions.</p> <p>In close proximity to the bin area is an overgrown hedge row that also collects litter, acts as a place for knives to be 'stashed' and in general causes the area to look untidy and unkept.</p>	
Who is the target audience?	Residents of the HMO, members of the public that walk past and commercial properties that present waste in the same area.	
Where will you run it? (+ What 3 Words location if possible)	140-142 Commercial Rd, Newport NP20 2DT ///origin.formal.change	
What is the intervention?	The intervention is a substantial bin-housing structure, with the capacity to contain all of the waste generated by the properties it serves. The design includes historical images of the locality, which are intended to help bring a sense of pride; and therefor encourage positive behaviour. The intervention involves passing keys to the properties and engaging with the stakeholders to ensure they know how to use the bins.	
What is the gross cost of intervention to KWT (including vat, postage etc)?	NCC funded through Caru Cymru Capital spend	
What are you trying to measure?	We want to measure whether the intervention has an impact on illegal dumping/incorrectly placed waste, littering, and prevalence of drug litter and stashed knives in the locality.	
Who will be involved?	Matt, Keep Wales Tidy; Scott, Newport CC, Pobl Housing Association and Reggie, NBCA	

Monitoring and Evaluation

What monitoring is in place for the project?	Survey area to include two newly installed litter bins and current sulo-bins. Litter Map Lite survey to be completed on Epicollect on Monday mornings for 3 weeks. A record will also be kept of how full the bins are (i.e. 10%, 20% 30% full etc.) and the amount of incorrectly presented waste																																																	
Trial report																																																		
Headline results	Overall, the amount of fly-tipped excess waste and bulk items was reduced. Litter in the area was found to decrease, whilst the usage of bin increased.																																																	
Data and outcomes (including any unexpected outcomes)	<p><u>Data of excess waste</u></p> <table border="1" data-bbox="472 539 1452 902"> <thead> <tr> <th>Survey Date</th> <th>16/08/21</th> <th>23/08/21</th> <th>4/4/22 (after shrub clearance and bin install)</th> <th>05/02/23 (after key and HMO letter delivery)</th> <th>13/02/23</th> <th>20/02/23</th> </tr> </thead> <tbody> <tr> <td>Black Bags</td> <td>5</td> <td>6</td> <td>5</td> <td>4</td> <td>3</td> <td>4</td> </tr> <tr> <td>Bulk Items</td> <td>3</td> <td>4</td> <td>6</td> <td>1</td> <td>1</td> <td>2</td> </tr> </tbody> </table> <p>The results show that overall once the bin store was in use and promoted, the number of excess bags and bulk items fly-tipped decreased.</p> <p>Some of the excess waste placed after the intervention appeared to be commercial waste and may have related to one particular business that was waiting for a further euro bin to be delivered.</p> <p><u>Litter and Bin percentage full</u></p> <table border="1" data-bbox="472 1261 1452 1659"> <thead> <tr> <th>Survey Date</th> <th>16/08/21</th> <th>23/08/21</th> <th>4/4/22 (after shrub clearance and install)</th> <th>05/02/23 (after keys and HMO letter drop)</th> <th>13/02/23</th> <th>20/02/23</th> </tr> </thead> <tbody> <tr> <td>Litter</td> <td>259</td> <td>204</td> <td>99</td> <td>157</td> <td>161</td> <td>140</td> </tr> <tr> <td>Bin 1 % fill</td> <td>75</td> <td>80</td> <td>90</td> <td>100</td> <td>100</td> <td>100</td> </tr> <tr> <td>Bin 2 % fill</td> <td>80</td> <td>50</td> <td>80</td> <td>90</td> <td>100</td> <td>80</td> </tr> </tbody> </table> <p>Litter dropped significantly after the first intervention (removal of the shrubs and bin install). Litter levels then increased but remained lower than the baseline.</p> <p>Use of the existing litter bins increased following the intervention, which suggests a positive change in behaviour.</p> <p>No knives were found during the survey period. Historically, Knives had repeatedly been found in the shrubbed area and the simple intervention of</p>	Survey Date	16/08/21	23/08/21	4/4/22 (after shrub clearance and bin install)	05/02/23 (after key and HMO letter delivery)	13/02/23	20/02/23	Black Bags	5	6	5	4	3	4	Bulk Items	3	4	6	1	1	2	Survey Date	16/08/21	23/08/21	4/4/22 (after shrub clearance and install)	05/02/23 (after keys and HMO letter drop)	13/02/23	20/02/23	Litter	259	204	99	157	161	140	Bin 1 % fill	75	80	90	100	100	100	Bin 2 % fill	80	50	80	90	100	80
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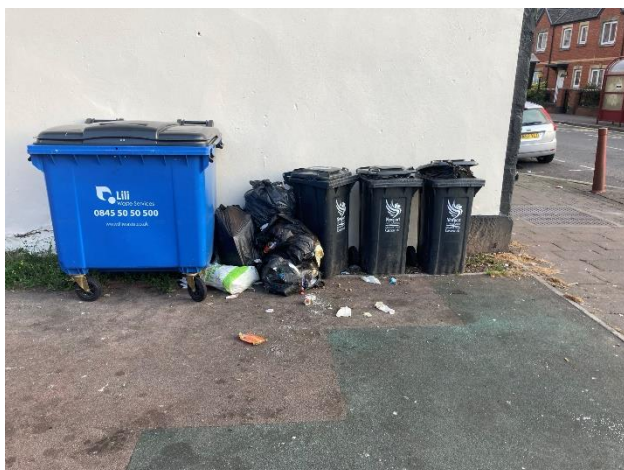
	<p>clearing vegetation appears to have effectively stopped the ability of people to hide and 'stash' knives.</p>
Lessons	<p>Overall, there may have been a bigger impact if the intervention happened in one phase, rather than two. Working with multiple partners and stakeholders led to some delays, however.</p> <p>The use of historical images adds impact and heritage to the area.</p>
Opportunities	<p>Overall, this trial reaffirms the role that small, local interventions can have in tackling local environmental quality issues. The intervention here was relevant to the particular local issue.</p>

A public perception survey could help to understand how the historical images are received.

A survey of the actual housing tenants may help to respond to any ongoing obstacles to use. This survey could also be supplemented with information on how to recycle, request bulk item collection and general tips on how to reduce waste. A repeat data collection of littering and bin use could then monitor any further change.

Photos

Before



After

