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# LITTER BIN STRATEGY

## SOUTH LANARKSHIRE COUNCIL

EMMA BERRY - ENVIRONMENTAL INITIATIVES OFFICER



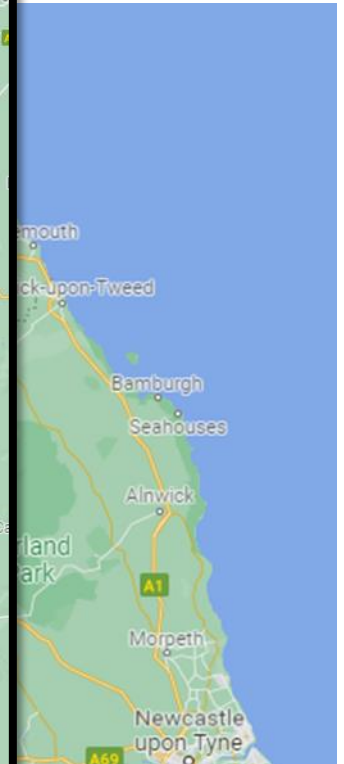
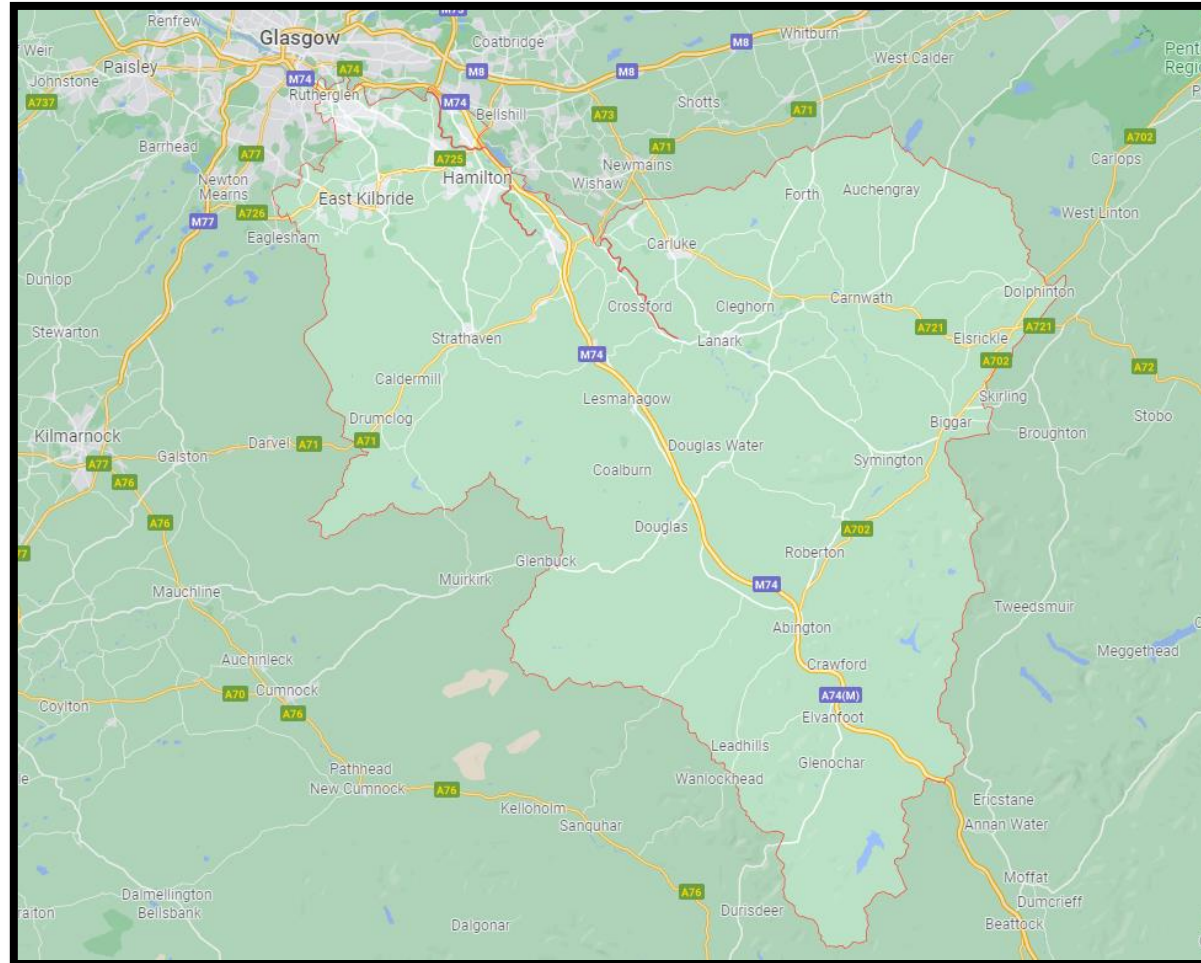
# LITTER STRATEGY

- Currently developing a Litter Strategy for the whole of the council
- Public consultation survey undertaken for feedback to help develop the strategy
- Strategy will focus mainly on litter, fly tipping and dog fouling, with emphasis on prevention
- Litter bin plan to understand and coordinate our bin infrastructure
- Working with PR to get more messages out on our social media
- Engaging with different departments and services within the council, along with community groups, businesses and schools
- Litter Awareness and Prevention Poster Competition with primary schools linking in to COP26 activities
- Supporting and providing equipment to community groups and volunteers for community clean ups

# SOUTH LANARKSHIRE COUNCIL

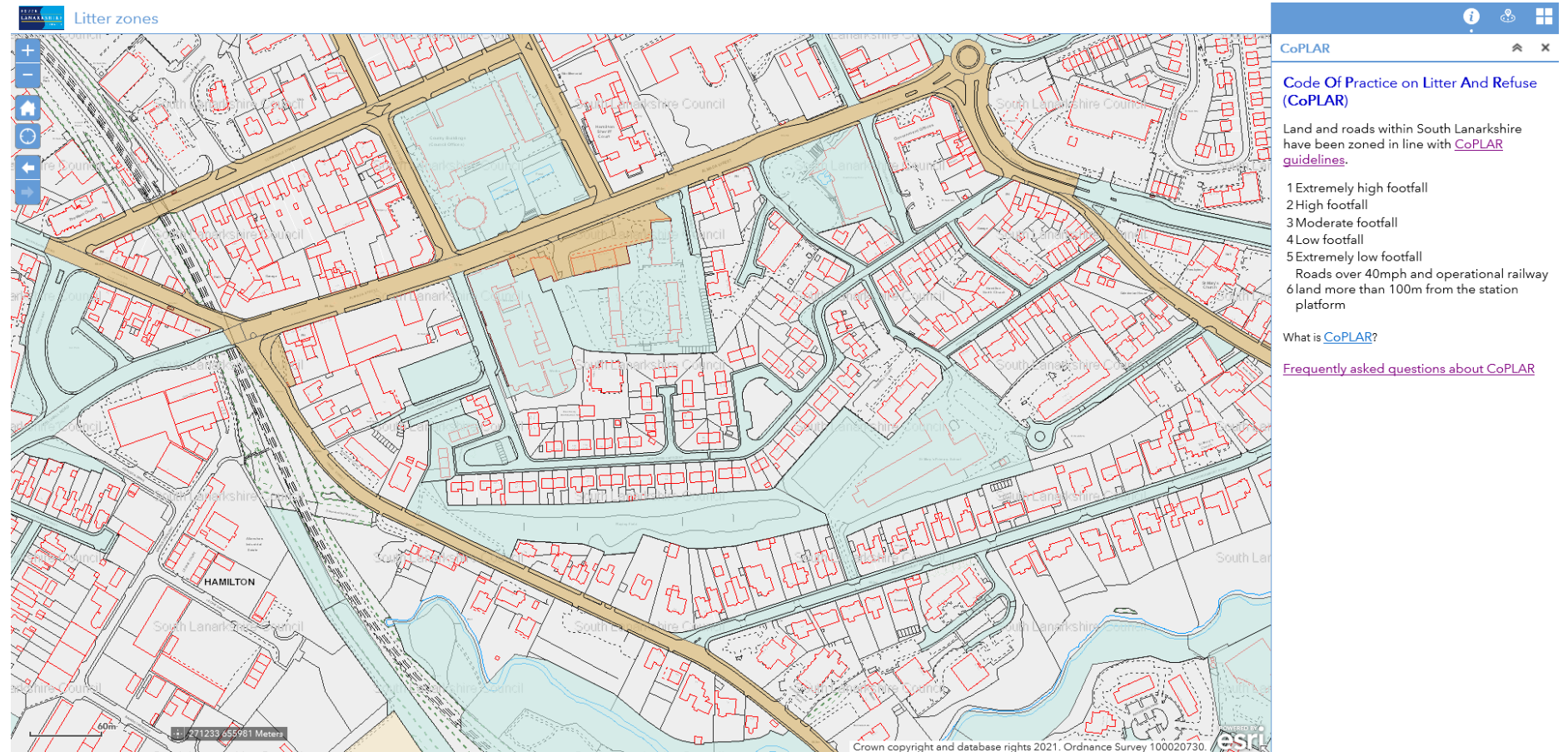
SOUTH  
LANARKSHIRE  
COUNCIL

- Population of 319,020
  - 5<sup>th</sup> largest in Scotland
- 1,772 km<sup>2</sup> of land
  - Large and varied geographical territory
  - Urban and rural communities
- Over **4,000** litter bins



# REZONING AND PUBLICATION OF STREETS

- Resulted from review of COPLAR
- Rezoned all relevant land and roads where the Council has responsibility to clear litter
- Response times for returning any area to an acceptable standard



Litter zones

CoPLAR

Code Of Practice on Litter And Refuse (CoPLAR)

Land and roads within South Lanarkshire have been zoned in line with [CoPLAR guidelines](#).

- 1 Extremely high footfall
- 2 High footfall
- 3 Moderate footfall
- 4 Low footfall
- 5 Extremely low footfall
- 6 Roads over 40mph and operational railway land more than 100m from the station platform

What is [CoPLAR](#)?

[Frequently asked questions about CoPLAR](#)

60m

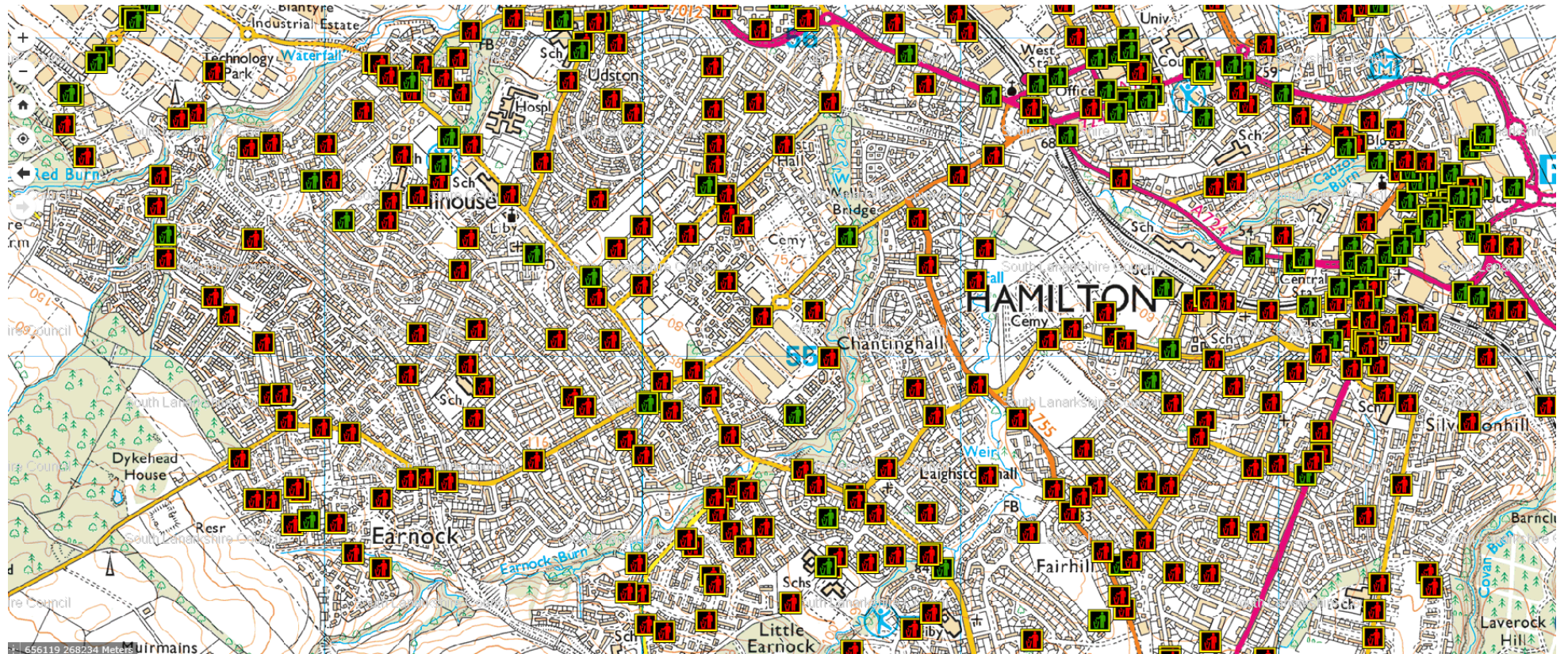
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# LITTER BIN MAPPING

- Over 4,000 bins
- Mixture of type, capacity and quality
- Understand what we have and allow us to evidence change
- Move to a rolling process to update infrastructure



# RIGHT BIN RIGHT PLACE







- Number, locations and capacities of existing bins in the area
- Scale of the litter and dog waste problem
- Suitability of the location including the need to reduce street clutter
- Accessibility (prams, wheelchairs, disabled people etc)
- Appropriate route for servicing
- Possibility of valid objections from neighbours





# TECHNOLOGY AND INFORMATION SOLUTIONS

- 12 month trial of 6 solar compactor litter bins
- Reduced bins, with increased capacity
- Using technology and data to service more efficiently

<input type="checkbox"/>	Waste type	Location	Filled
<input type="checkbox"/>		Market hill car park Near playground	50 %
<input type="checkbox"/>		Near north west car park on path	44 %
<input type="checkbox"/>		Next to bench at west of building	33 %
<input type="checkbox"/>		Path to Stewartfield Way - west of loch	15 %
<input type="checkbox"/>		West of building at bike racks	46 %
<input type="checkbox"/>		Benches - south of loch	23 %



# QUESTIONS OR COMMENTS

Emma Berry

Environmental Initiatives Officer

South Lanarkshire Council

[emma.berry@southlanarkshire.gov.uk](mailto:emma.berry@southlanarkshire.gov.uk)

01698 717775







# Electric Fleet

Paul Naylor



# A little context...

- Medium sized district
- South Hampshire
- Population – 135,000
- Southampton Airport, Hampshire Cricket
- 500 employees
- Very ambitious Council
- Net Zero by 2025!

- Political stability from 1994
- Culture is co-production with staff/councillor joint working



**EASTLEIGH**  
BOROUGH COUNCIL

# Electric Fleet

- Why?
  - Eastleigh Borough Councils commitment to net zero for its own activities by 2025
  - The borough as a whole by 2030
- Finance
  - The Business Case
  - Capital Purchase or Lease
  - Double the cost of conventional combustion engine
  - Estimated Life of vehicle and batteries
  - Maintenance costs reduced!
  - Who can maintain!





# What's available?

- Electric, Hydrogen, Hybrid
  - Which one – VHS v Betamax!!
  - Manufacturers are playing catch up
- Hybrid – reduced payload due to combustion engine and batteries
  - emissions still not zero – will not get you to where you need to be
- Hydrogen – not all hydrogen is green, need to know how it is produced
  - Refuelling infrastructure is patchy
- Electric – Well established in car and van market
  - Truck manufacturers are slow to market
  - Larger vehicles tends to involve retro fitting batteries and drivetrain onto main chassis



# Charging Infrastructure

- Does your depot have enough electric capacity?
  - Often the answer is no, which means increasing capacity – expensive!
  - Which type of charges – direct current (DC) or alternating current (AC)
  - Dennis E connect = DC – Electra AC, although understand they may be able to do both!
  - You need to know how quickly vehicles will charge
  - The larger the fleet the more complex the charging infrastructure needs to be
  - What happens if grid goes down!
  - Infrastructure upgrades needs lead in time and capital investment
  - Sub-depots



# CEE - transitioning to alternative fuelled vehicles

- Will electric be the answer to Large vehicles – unlikely, the main truck manufacturers appear to favour Hydrogen
- Electric will most likely provide the answer to small vehicles, and other small items of plant
- Can you wait for the market to mature – delivery times are already pressured on conventional vehicles
- Transitional Fuel – Hydrogenated Vegetable Oil (HVO) –
  - the main manufacturers confirm their warranties are still valid
  - Drop in replacement for diesel
  - Guaranteed from sustainable sources
  - Cheaper than diesel at the moment

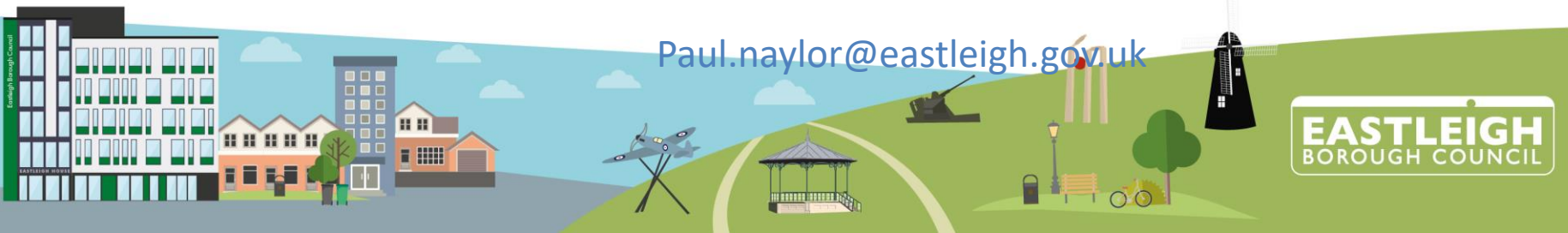




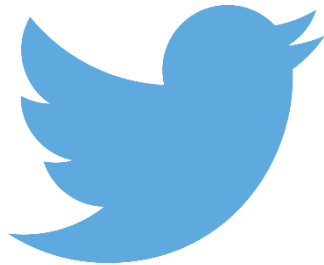
# Questions / Discussion

Paul Naylor  
Executive Head, Neighbourhood  
Services

[Paul.naylor@eastleigh.gov.uk](mailto:Paul.naylor@eastleigh.gov.uk)



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**@APSE - Association for  
Public Service Excellence**

# **APSE Performance networks seminar 2021**

## **Workshop I**

### **Street Cleansing**



# Welcome

## Today's facilitators and presenters are:

Dave Henrys – Associate, APSE Solutions

Emma Berry, South Lanarkshire Council

Ian Jones – Associate, APSE Solutions

Paul Naylor – Eastleigh Borough Council



performance networks

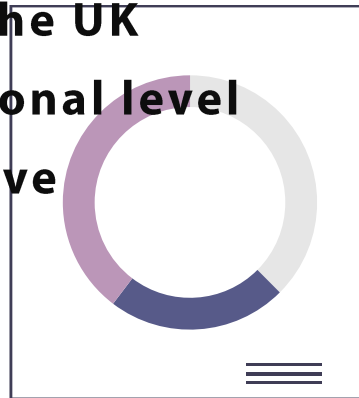


# Key messages

**Leading performance management tool for local government in the UK**

**Well-recognised at a national level**

**Progressive and responsive**



Post-COVID World

Climate Change

Digitalisation

Start

Data

Evidence

Knowledge

Information

End

Performance



- **Covid analysis**



# Impact of Covid-19 on Street cleansing: 2020-

- **21** The following data is averages for 2020-21 mainly compared with 2019-20 (the previous financial year pre-Covid)
- The data is currently undergoing validation and therefore may change when the reports are produced

- **LAMS PI analysis - % change from the previous year**

**PI L04 - Percentage of sites classed as acceptable (litter)**



**0.34%**

**PI L05 - Percentage of sites classed as grade A (fly tipping)**



**1.04%**

**PI L06 - Percentage of sites classed as acceptable (dog fouling)**



**0.14%**

- **LAMS PI analysis - % change from the previous year**

**PI L07 - Percentage of sites where bins were over flowing**



**-0.61%**

**PI L08 - Percentage of sites containing bins classed as acceptable (bin structure)**



**0.04%**

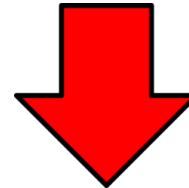
**PI L09 - Percentage of sites containing bins classed as acceptable (bin cleanliness)**



**0.50%**

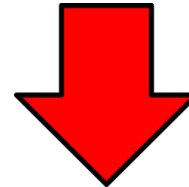
- **LAMS PI analysis - % change from the previous year**

**PI L10 - Percentage of sites classed as unacceptable (hard surface weeds)**



**0.45%**

**PI L11 - Percentage of sites classed as unacceptable (detritus)**



**0.57%**

**PI L12 - Percentage of sites classed as unacceptable (graffiti)**



**1.64%**



- **LAMS PI analysis - % change from the previous year**

**PI L13 - Percentage of sites classed as unacceptable (staining / gum)**



**-1.64%**

**PI L14 - Percentage of sites classed as grade A (fly posting)**



**0.16%**

- **Other PI analysis - % change from the previous year**

**PI 50a - PPE and other covid related expenditure as percentage of total expenditure** **1.35%**

**PI 51a - Percentage change in tonnage of street cleansing waste generated per household**  **-0.20%**

**PI 52a - Percentage change in fly tipping**  **0.45%**

- **Other PI analysis - % change from the previous year**

**PI 53a - Percentage change in emptying litter bin requests**



**32 %**

**PI 54a - Percentage change in emptying dog bin requests**



**31 %**

**PI 55a - Percentage change in litter pick requests**



**2 %**

- **Average days lost as a result of:**

**Covid positive test (self isolating) up to  
10 days, Track & Trace / advisory self  
isolation, quarantine, business closure** **1,503**

**Advisory shielding** **198**

**Equivalent of 0.83 and 0.11 FTE staff respectively**

**(Only 1 council reported days from front line staff lost  
through furlough = 168)**



- **Climate change data**

# Climate change report: 2020/21

## Street cleansing:

49% street cleansing waste is recycled

## Street Cleansing – data currently collected

Tonnage of street cleansing waste not recycled	<i>SCWNR</i>
Tonnage of street cleansing waste recycled (excluding leaf fall)	<i>SCWRC</i>
<b>% <u>Recycled</u></b>	
Tonnage of leaf fall waste collected and recycled	<i>RCLFW</i>

**Future data requirements?**

# Discussion 1

- **Litter Bin Strategy**
  - **“The right bin in the right place”**

***Emma Berry***

***Environmental Initiatives Officer***

***South Lanarkshire Council***



# **NEW MUNICIPALISM**

Delivering for local people and local economies

# Coffee break...



# Discussion 2

- **LAMS update**
  - **“Land Audit Management System”**

*Ian Jones*

*APSE Associate*

# **NEW MUNICIPALISM**

Delivering for local people and local economies

# Discussion 3

- **Electric Fleet**
  - “The ‘electric’ journey”

*Paul Naylor*

*Head of Direct Services*

*Eastleigh Borough Council*

# **NEW MUNICIPALISM**

Delivering for local people and local economies

# Discussion 4

- **Street Cleansing Issues**
  - **Open discussion forum**

***Facilitator:***

***Dave Henrys***

***APSE Associate***



- Dealing with weeds
- Tackling fly-tipping
- Is enforcement producing the right results?
- Other current issues

# **NEW MUNICIPALISM**

Delivering for local people and local economies

- **Future Developments**
- **Action plan**

**Thank you**

**Good luck in tonight's awards!**

**Keep performing!**

# **NEW MUNICIPALISM**

Delivering for local people and local economies

# Contact details

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**telephone:** 0161 772 1810

**web:** [www.apse.org.uk](http://www.apse.org.uk)





# **Performance Networks Seminar 2021.**

## **Street Cleansing – LAMS update.**

Ian Jones, APSE Solutions Associate



# *Technological development update*



- The Randomiser
- The integration of LAMS into council back office systems (API)

# Land Audit Management System (LAMS)



- In 2015 APSE introduced LAMS: a consistent quality audit approach, measuring the level of service delivery for grounds parks and streets.
- Collects data source for comparative Performance Indicators at national level (real time & annual).
- Contributes to annual performance awards.
- Available to all PN members for relevant services.

# What LAMS monitors



	Grounds maintenance	Street cleansing	Cemetery and crematorium services
Grounds maintenance	✓		✓
Grass cutting	✓		✓
Shrub bed maintenance	✓		✓
Flower bed maintenance	✓		✓
Surface weeds	✓	✓	✓
Litter	✓	✓	✓
Detritus		✓	
Fly tipping	✓	✓	✓
Fly posting	✓	✓	
Dog fouling	✓	✓	✓
Bins over flowing	✓	✓	✓
Bin structure	✓	✓	✓
Bin cleanliness	✓	✓	✓
Vandalism/ damage			✓
Graffiti		✓	
Staining/ gum		✓	

# The reports



## performance networks

### Whole service comparison

#### LAMS grounds maintenance PI standings

#### Performance indicator

Performance indicator	Number in service	Highest in service	Average for service	Lowest in service	Your output/score	Standing in service	Top quartile mark	Quartile achieved
PI L02 - Percentage of sites classed as acceptable (grounds maintenance)	28	100.00%	95.49%	87.41%	<b>100.00%</b>	<b>1</b>	99.18%	<b>1</b>
PI L10 - Percentage of sites classed as acceptable (grass cutting)	26	100.00%	96.10%	87.07%	<b>100.00%</b>	<b>1</b>	99.55%	<b>1</b>
PI L11 - Percentage of sites classed as acceptable (shrub bed maintenance)	23	100.00%	88.86%	61.54%	<b>96.97%</b>	<b>8</b>	97.65%	<b>2</b>
PI L12 - Percentage of sites classed as acceptable (flower bed maintenance)	18	100.00%	95.01%	84.78%			100.00%	
PI L03 - Percentage of sites classed as acceptable (litter)	28	100.00%	95.85%	81.82%	<b>100.00%</b>	<b>1</b>	98.85%	<b>1</b>
PI L04 - Percentage of sites classed as grade A (fly tipping)	28	100.00%	94.27%	80.88%	<b>97.40%</b>	<b>10</b>	98.85%	<b>2</b>
PI L13 - Percentage of sites classed as grade A (fly posting)	27	100.00%	99.81%	98.68%	<b>98.68%</b>	<b>27</b>	100.00%	<b>4</b>
PI L05 - Percentage of sites classed as acceptable (dog fouling)	28	100.00%	99.55%	96.92%	<b>100.00%</b>	<b>1</b>	100.00%	<b>1</b>
PI L06 - Percentage of sites where bins were overflowing	27	13.04%	4.30%	0.00%	<b>5.41%</b>	<b>20</b>	0.93%	<b>3</b>
PI L07 - Percentage of sites containing bins classed as acceptable (bin structure)	25	100.00%	96.20%	78.72%	<b>93.94%</b>	<b>19</b>	100.00%	<b>3</b>
PI L08 - Percentage of sites containing bins classed as acceptable (bin cleanliness)	25	100.00%	96.30%	78.72%	<b>87.50%</b>	<b>24</b>	100.00%	<b>4</b>
PI L09 - Percentage of sites classed as unacceptable (hard surface weeds)	28	42.54%	12.18%	0.00%	<b>4.41%</b>	<b>8</b>	4.41%	<b>2</b>



***“Constantly looking to improve the system -  
proposed further ”***

## **The Randomiser**

# The Randomiser

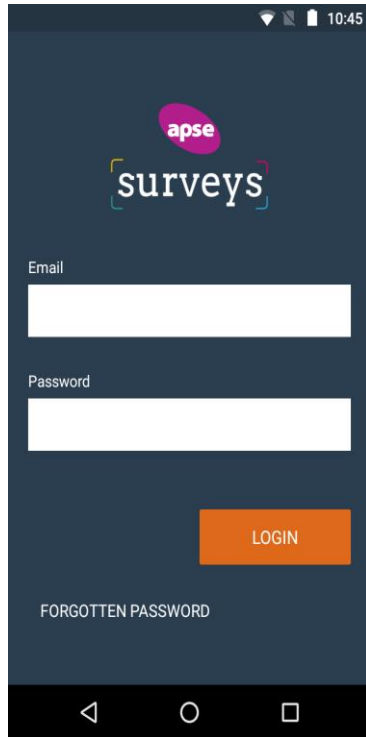


## **Requests raised at LAMS training and working group;**

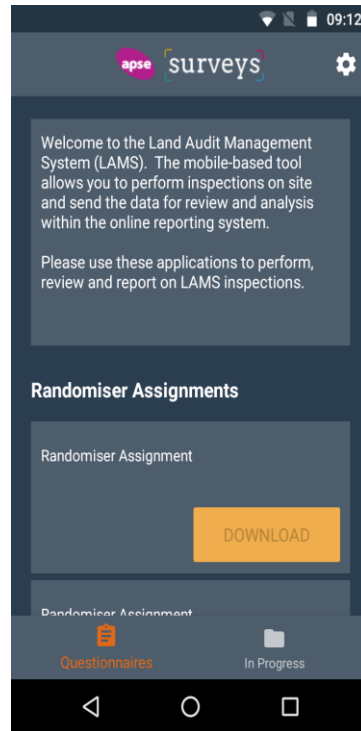
- Inclusion of a randomiser to automatically allocate inspection lists to inspectors.
- Inclusion of a map of planned inspections on the App.



## USING THE APSE RANDOMISER IN THE APP



On opening the app, login with the email and password you normally do.



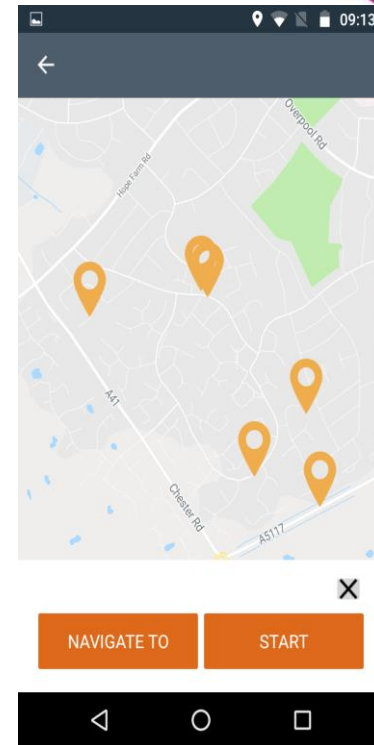
If you have been assigned any randomiser sets of locations they will show above your Questionnaires.

Click the Download opens the map displaying all your locations – it also starts the timer for 48 hours to complete the list.



A randomiser list opens the map with all the locations in the list plotted.

Select a pin, the nearest to your location (shown as a blue dot). And you get a Navigate and Start button.



Navigate – takes you out to your native mapping application and directions.

Start – starts and opens (as if from the front screen) the relevant survey for the location you selected to complete the inspection.



# Developments in Apps to support inspections



## API (Application Programming Interface)

- Throughout the life of the LAMS App, we have received a number of enquiries about the possibility of the syncing the system with the existing back-office systems currently in place at the respective authority.
- Predominantly the requests received have been around the capability to 'sync' the App into other back-office systems to create job sheets if an unacceptable inspection grade had been awarded (C or D) through an API.
- The API basically provides all the data you will require to import direct from the App into your existing system (the L/A will carry this out themselves from the export code we supply to you).

# Developments in Apps to support inspections



## API (Application Programming Interface)

This option has a development cost which will be covered jointly between APSE & BBits.

Following the development, the local authority would be required to pay an annual maintenance fee based on the surveys set up and utilised.

Ranging from:

- £25 for an authority using only one individual survey
- £100 for an authority using all 4 survey types

**We have great news as this development proposal has now been approved.**

We are currently working with the App developer to have this function ready and available for members to use asap, this additional system feature is optional and isn't mandatory.



# INTERESTED?

Could you please register your interest today.

Alternatively contact Performance Networks  
[performance.networks@apse.org.uk](mailto:performance.networks@apse.org.uk)



# Play Short Video



## Contact details

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