

Hafod-yr-ynys Air Quality Management Area

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Aim of today

- To provide an overview of the Hafod-yr-ynys AQMA
- To provide an update on the production of the Air Quality Action Plan / options considered
- To take advantage of the expertise here today!

Air Quality within Hafod-yr-ynys

- Commenced monitoring in 2009
- 2010 Progress Report identified Hafod-yr-ynys as an area of concern.
- 2011 Progress Report recommended that HYY proceed to a Detailed Assessment
- 2012 Detailed Assessment undertaken

continued.....

- AQMA declared in November 2013
- 2014 Further Assessment undertaken
- 2015 Crumlin Junction Improvements undertaken
- 2016 Started producing the Air Quality Action Plan
- 2017 – Consulted on AQAP

Hafod-yr-ynys Road Air Quality Management Area

1:1,403



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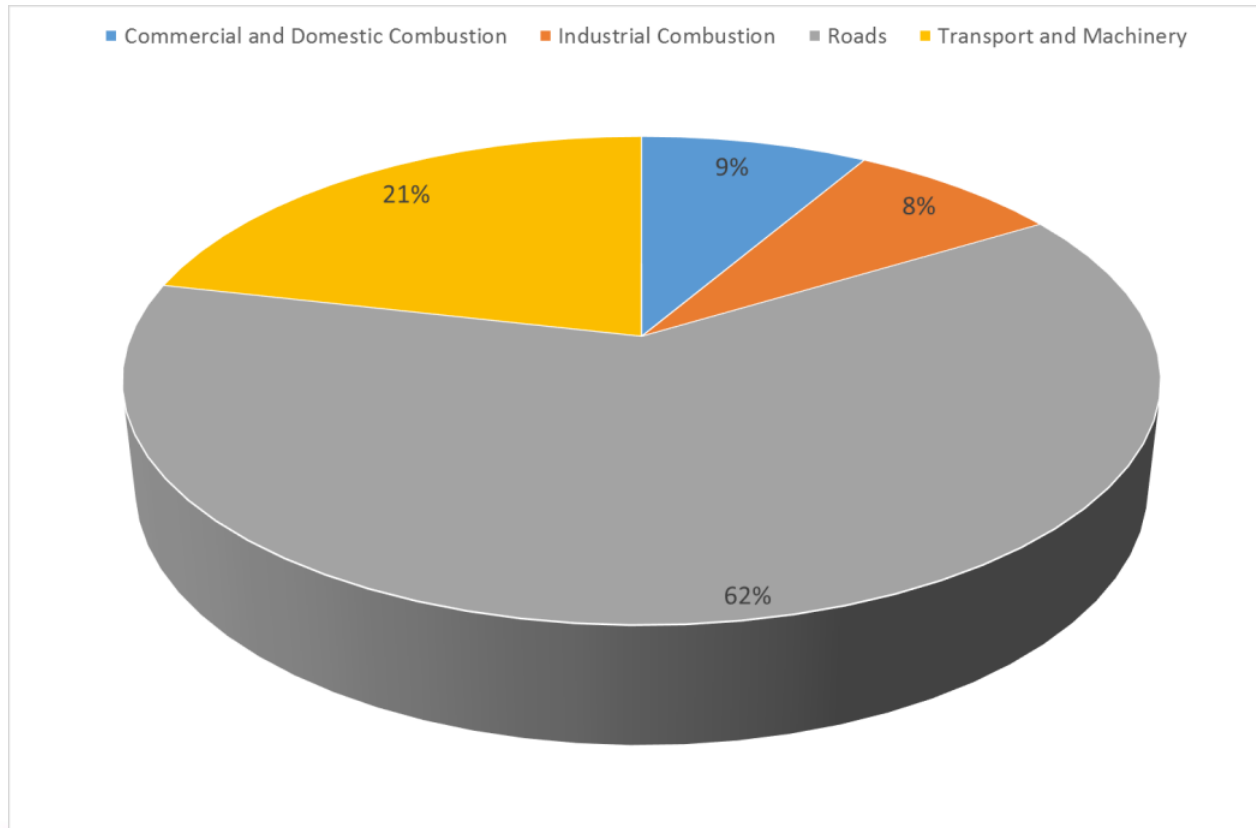


Summary of monitoring data

	2012	2013	2014	2015	2016
Continuous Monitoring Results					
Annual Average ($\mu\text{g}/\text{m}^3$) (Objective Level 40 $\mu\text{g}/\text{m}^3$)	98	68	68	68	69
No. of 1 hour mean exceedances (per year) 18 allowed per year	137	85	75	108	122
Annual Average ($\mu\text{g}/\text{m}^3$) adjusted for façade.	71	50	50	50	51
Diffusion Tube Monitoring Results ($\mu\text{g}/\text{m}^3$)					
CCBC 48 (1 Woodside Terr)	45	48	46	42	41
CCBC 50 (Top Woodside Terrace)	46	50	47	47	40
CCBC 60 (3 New Houses)	41	41	39	32	37

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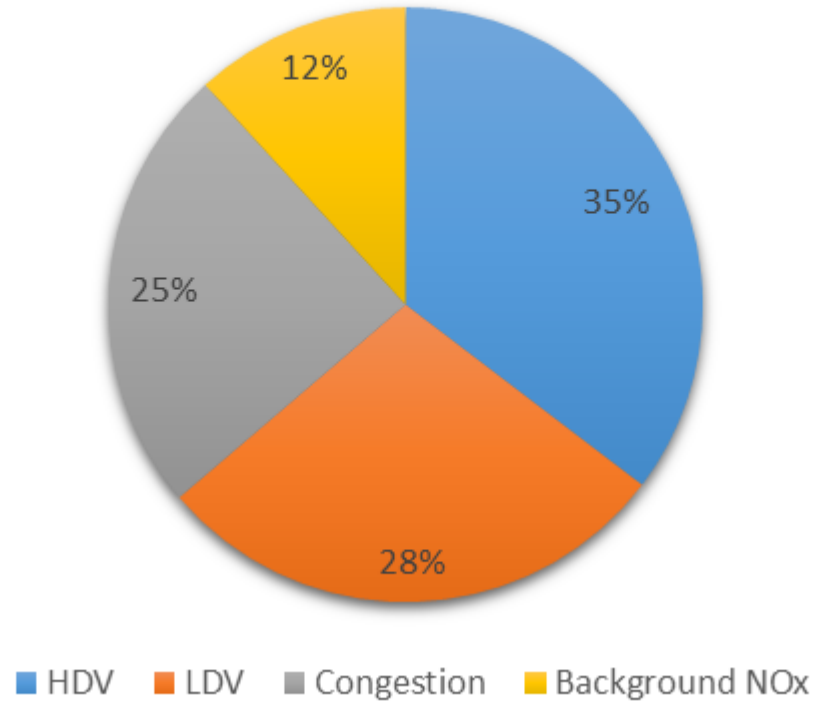
Conclusions of H-Y-Y Further Assessment



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Conclusions cont....

Automatic monitor



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Modelled scenarios

- Crumlin Junction Improvements
- 10% reduction in HDVs
- 20% reduction in HDVs

Crumlin Junction Improvements

- Looking at effect of proposal on queuing and congestion
- Modelled results concluded a reduction in annual mean of $23\mu\text{g}/\text{m}^3$
- Modelled result concluded the hourly average exceedances would be resolved

Hot News.....

- “Residents on ‘Hell Street can taste the black soot” (The Times)
- “This road in the valleys has some of the worst air pollution levels in the UK” (The Guardian)
- “A472 Hafod-yr-ynys pollution fears for children” (BBC News)
- “Hafod-yr-ynys homes demolition plan to cut air pollution” (BBC online)

Where are we?

- July 2016 – 1st Steering group meeting
- Draft plan produced and taken back to Steering group meeting on 9th March 2017
- Draft plan sent to WG for initial comment – 31st March 2017
- Consultation on draft plan June to August 2017

Options considered in the AQAP

- Bypass
- Demolition of houses
- Speed & flow management of traffic
- Low emission buses within AQMA
- Working with local businesses / schools to raise profile of AQ and encourage green travel planning
- Improvements to cycling and walking networks

Where next?

- Amended AQAP to reflect consultees comments and will be resubmitted to WG
- Deploying further monitoring and undertaking traffic surveys to better inform the AQ model
- Will use this traffic and AQ data to inform future feasibility studies

A few thoughts.....

- Action Planning for small scale areas is very difficult and it often cause displacement elsewhere in the locality
- Needs to be more done at a national level – top down approach
- Fundingmajor issue!
- Process can become stagnant

If asked to join the AURN....



KEEP
CALM
AND
JUST
SAY NO

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