## APSE Scotland Fleet, Waste and Grounds Seminar 2017



### Scotland's National Low Emission Framework (NLEF)

#### **Drew Hill** Transport Scotland

Low emission



## Key paradox message today...

## Transport is a principle cause of poor air quality

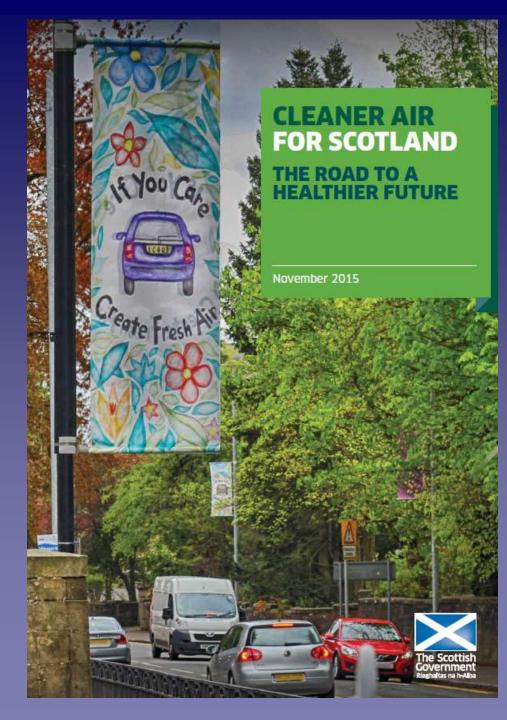
Transport can contribute significantly towards cleaner air quality

#### **Environment - where are we now**



Congestion

A national strategy within which we can all work together towards the common aim of achieving the best possible air quality for Scotland.



# CAFS Includes important new initiatives:



- National Modelling Framework
- National Low Emission Framework
- Adoption of WHO guideline values for particulate matter in Scottish legislation
- A National air quality awareness campaign

# TRANSPORT

## **National Modelling Framework**

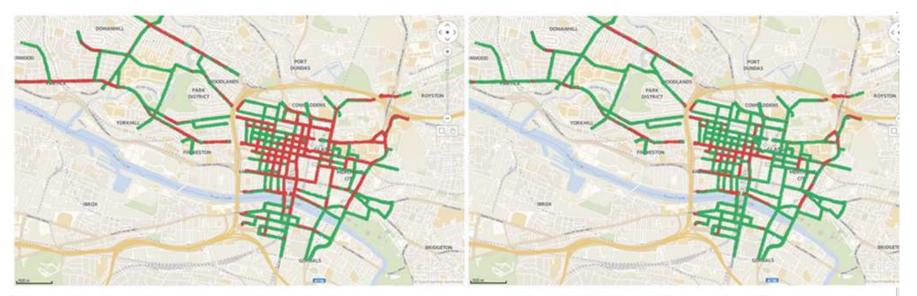


Figure 5: Provides comparison in the changes to modelled NO2 for different traffic scenarios, visualised for all kerbside points through the online data analysis application. The 2 maps compare kerbside concentrations for the National Fleet, and for improvements if all buses were EURO 6 (or similar emission standard).



### NATIONAL LOW EMISSION FRAMEWORK

NLEF is a transport-focused, science-led, evidence based appraisal process to enable local authorities to justify the business case for Vehicle Access Regulation Scheme (VARS) options.

### LOW EMISSION ZONE

Set minimum emission standards for access to a defined area.

#### NLEF supported by NMF evidence

#### **DATA GATHERING**

Data gathering and modelling will be undertaken by the Scottish Government to provide an initial clear understanding of the air quality problem.

#### TRANSFORM INTO EVIDENCE

We will provide tools and access to shared data to allow the NMF to be used to inform decision making.



#### ANALYSE AND VISUALISE

Data and modelling will be presented and analysed to refine the evidence in order to inform decision making.

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#### **Science driven**

#### **ADDRESS UNCERTAINTY**

We are aware modelling can be uncertain, with key sensitivities, and this will be quantified and managed to improve the quality of the evidence.

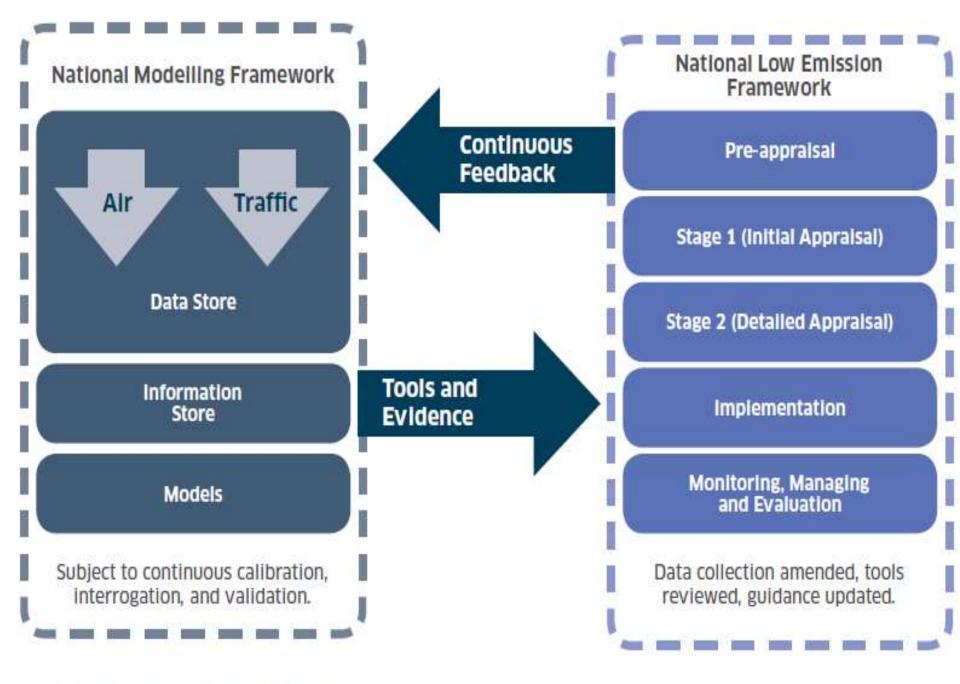


Figure 17. Interlinkages between NMF and NLEF

#### **NLEF Objectives**

- Legislative basis from the 1995 Environment Act, related guidance, and Vehicle Access Regulation Scheme (VAR) enforcement legislation.
- Alignment with the Scottish Government, CAFS, STAG, and Vehicle Access Regulations Scheme Objectives.
- Provision of guidance on Vehicle Access Regulation Scheme design.
- Links to existing budget streams to support delivery.



#### What are the NLEF Options

- Vehicle Access Restrictions for a defined area based vehicle emission standards for vehicle types.
- Non-charging (substantial fines for noncompliant vehicles to deter access as opposed to charge for access)



Three groups of NI	EF Options		
NLEF Options	Implementation	<b>Exclusion Groups</b>	
Non Charging Zonal Entry Systems	Hard infrastructure such as gates	Buses and coaches Taxis and private hire vehicles	
Vehicle Access Regulation Schemes	Traffic Regulation Orders	HGVs LGVs Cars	
Vehicle Licensing Regulation Schemes	Licensing Powers	Buses and coaches Taxis and private hire vehicles	

#### Vehicle Access Regulation Schemes

#### Low emission



#### Roads: Traffic Regulation Orders (TROs)

Standard Note: SN6013 Last updated: 17 November 2014 Author: Louise Butcher Section Business and Transport

This note explains what Traffic Regulation Orders are, how they are made and the various uses to which they can be put.

Highway authorities can place temporary, experimental or permanent restrictions on traffic within their areas by way of a Traffic Regulation Order (TRO). Some of the most popular uses for TROs are restricting the movements of HGVs in residential areas, implementing parking restrictions (on single streets, not more widely – separate legislation exists for this), and restricting traffic for the purposes of parades, street parties and other events.

Information on other roads-related issues can be found on the Roads Topical Page of the Parliament website.

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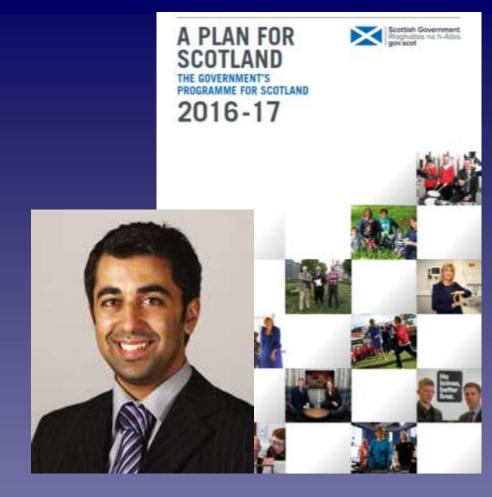
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NLEF supported by Programme for Government commitment.



With the help of local authorities, we will identify and put in place the first low emission zone by 2018, creating a legacy on which other areas can build.

## USING IT IS THE HARDEST PART.





## Developing the National Low Emission Framework (NLEF): Lessons and challenges









## LEZs and finance



- NLEF appraisal
- NLEF design
- Civil engineering
- Back office/resource
- Retrofitting existing fleet
- New fleet
- Communications



# NLEF engagement and consultation

### Tools: CBA

Euro criteria

Penalty + exemptions

## Legislation enforce

## TRO/TRC

## Stakeholders

Comms strategy

Governance

Funding



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