

Clean Air Strategy in Ireland

Consultation Considerations



EnvEcon

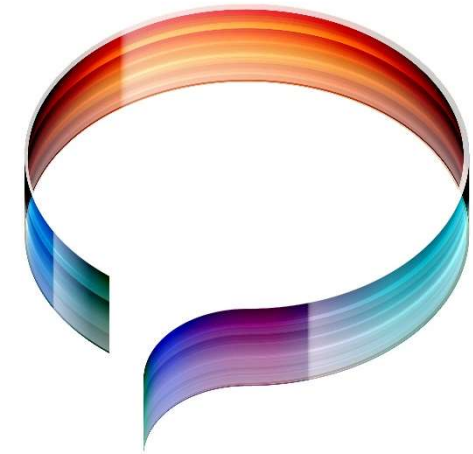
Decision Support

Andrew Kelly

May 2018

Brescia

Structure of Presentation



Context

Consultation Considerations

Thoughts



Section 1 Context

Context

Clean Air Strategy is not a response to exceedances (e.g. National Air Quality Plans).

The ambition is to set out a strategy to guide national actions to deliver cleaner air for Ireland into the future.

It is a document that will link with the climate focused “National Mitigation Plan”.

Hopefully the two plans can operate in harmony for improved air and climate outcomes.

A public consultation document was released.

Comments were invited from all sources.

EnvEcon collated and reviewed all of the submissions.

EnvEcon produced a synthesis report with recommendations.





Section 2 Consultation

Clean Air Strategy Consultation

Submissions covered multiple topics.

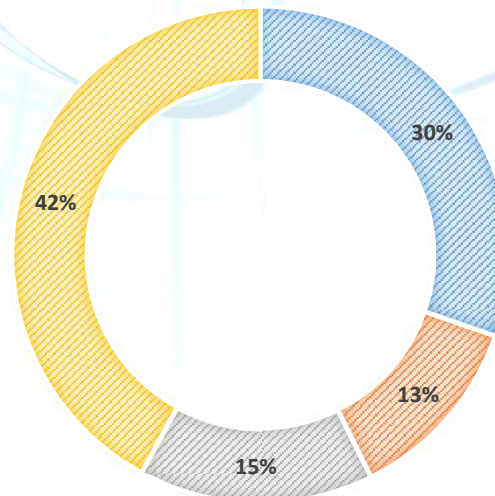
We created sectoral divisions (e.g. all, transport) and action categories (e.g. public investment, research).

An initial review organised issues into “Topic Groupings” (e.g. alternative fuels, AD, Stove Standards).

We then grouped submissions by their origin (e.g. Academia, Citizen, Industry, Public Body).

Approximately 1200 “points” raised as part of the consultation.

■ Public ■ Academia ■ Citizen ■ Industry and Associations



Action Categories

Communication

Research

Standards, Legislation and Penalties

Residential Commercial

Transport

Industry/Power

Agriculture

Odours and Waste



Action Categories

Main Action Category	Topic Grouping	Totals
Communication	Clear and powerful communication strategy - Clean Air	62
Communication	Behavioural change and cleaner choices	32
Communication	Behavioural change and cleaner choices (and stop idling)	35
Communication	Knowledge transfer on early spreading, fertiliser use, husbandry, feed	28
Communication	Encourage 'Reduce and Reuse'	7
Research	Monitoring Network - Extend and Enhance	56
Research	Modelling and Policy Research - Increase Resources	59
Research	Support New Technology Research Assessing Irish Potential	35
Research	Support Integrated Research - Air/Health/Climate/Broader/Cross-Sectoral	52
Research	Support Pollutant Research in Irish Context - e.g. VOC, PM, NO2	42
Research	Consider indoor air pollution	10
Standards - Legislation - Penalties	Clarify and Communicate Responsibilities	10
Standards - Legislation - Penalties	Update and/or Enforce Standards and Legislation	51
Standards - Legislation - Penalties	Increase Fines for Breaches of Standards and Legislation	12

Action Categories

Primary Sector	Main Action Category	Topic Grouping	Totals
	Residential/Commercial Incentive Change	Increased Electrification for Heating e.g. Heat pumps, SETS	22
	Residential/Commercial Incentive Change	Increased Renewables\CHP - e.g. Solar	29
	Residential/Commercial Incentive Change	Increased Fabric/Insulation Upgrades	29
	Residential/Commercial Incentive Change	Reduce Levels of Solid Fuel Combustion for Heating	34
	Residential/Commercial Incentive Change	Reduce Levels of Oil for Heating	29
	Residential/Commercial Standards and Legislation	Enhance and Apply Building Standards in support of clean air	19
	Residential/Commercial Standards and Legislation	Adjust Planning - e.g. reduce exposure, increase density	13
	Residential/Commercial Standards and Legislation	Enhance and/or Enforce Standards on Stove Installation and Operation	26
	Residential/Commercial Standards and Legislation	Accelerate uptake of 2022 stove standard	20
	Residential/Commercial Standards and Legislation	Introduce Low Smoke/Emission Zones	28
	Residential/Commercial Standards and Legislation	Cleaner fuel standards and quality control	32

Action Categories

Primary Sector	Main Action Category	Topic Grouping	Totals
Transport	Public Investment	Develop Cycle and Walking Infrastructure	37
Transport	Public Investment	Develop Public Transport Infrastructure / Level of Service	30
Transport	Public Investment	Increased Electrification of Public Fleet (Buses, Civil Service)	34
Transport	Incentive Change	Alternative Fuels for Fleets - CNG/LPG/Biofuels/Electric (e.g. taxis, freight)	29
Transport	Incentive Change	Increased Electrification of Private Fleet (Cars, Scooters, Bikes)	31
Transport	Incentive Change	Disincentivise Diesel in the Fleet	36
Transport	Incentive Change	Increase Vehicle Use Costs (e.g. Fuel Tax, Road Use Charging)	15
Transport	Incentive Change	Increase Vehicle Ownership Costs (e.g. VRT/AMT)	13
Transport	Incentive Change	Reduce Vehicle Ownership Costs (e.g. VRT/AMT)	5
Transport	Incentive Change	Utilise Parking Policy to Reduce Vehicle Use	13
Transport	Incentive Change	Cleaner Freight transport options	15
Transport	Standards and Legislation	Low Emission Zones	15
Transport	Standards and Legislation	Shipping and Port emission controls	15
Transport	Standards and Legislation	Aviation	10

Action Categories

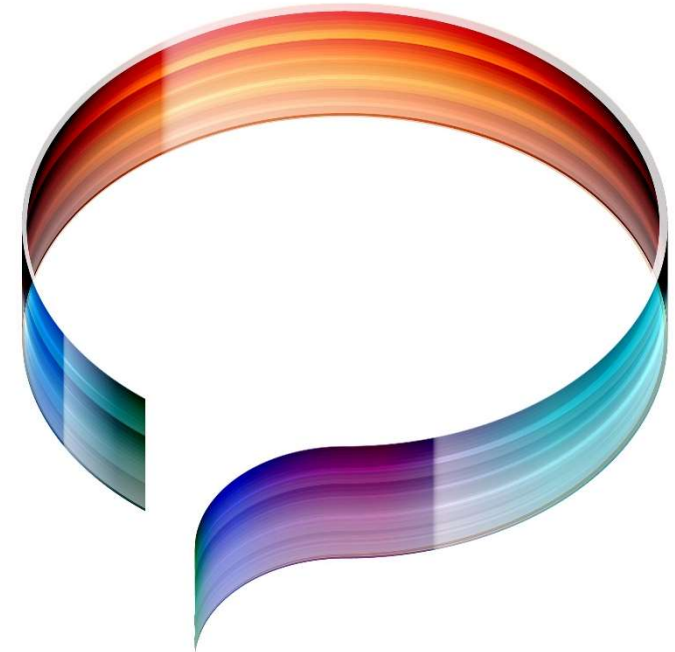
Primary Sector	Main Action Category	Topic Grouping	Totals
Industry and Power	Public Investment	Develop District Heating Networks	7
Industry and Power	Public Investment	Progress Away from Coal and Peat for Generation	13
Industry and Power	Incentive Change	Alternative Fuels (e.g. LPG)	11
Industry and Power	Incentive Change	Increase efficiency of Industry and Power	8
Industry and Power	Standards and Legislation	Management of Biomass Combustion and Renewable Heat Incentive	20
Agriculture	Incentive Change	Shift away from animal farming	4
Agriculture	Incentive Change	Anaerobic Digestion and composting	20
Agriculture	Standards and Legislation	Gorse Burning - Illegal Burning	38
Agriculture	Standards and Legislation	Splash Plate Ban and Low Emission Spreading Technology	12
Waste	Standards and Legislation	Restrict and control forms of incineration and waste burning	11
Other	Other	Odours	9

Positions Raised Against Things...

Small numbers of points were raised against the following ... splash plate ban was more coordinated.

- Quarries
- Speed Bumps
- Pesticide use
- Splash Plate Ban
- Independent Vehicle Testing
- Congestion Charging
- Low Emission Zones





Section 3 Thoughts

Summary Positions

Many calls for enhanced communication strategies in the context of the CAS and sectoral change, as well as a high volume of requests for additional research to build the national evidence base for action.

Residential

- Shifting away from fossil fuels (and solid fuels specifically) for home heating.
- Designing and enforcing standards for fuel qualities and stove installations and operations.
- The introduction of residential low smoke zones.

Transport

- Reducing the number of diesel vehicles throughout the fleet.
- Supporting cleaner fuels and technologies across private, public and commercial fleets generally.
- Significant investments in non-motorised mode infrastructure (cycling/walking) and public transport.

Agriculture

- Increased penetration of low emission spreading technology.
- Restrictions on gorse burning.
- Supports for anaerobic digestion facility development.

Industry and Power

- Challenges to all forms of incineration and calls for tight regulation of the Renewable Heat Incentive.
- Calls for a shift away from coal and peat for power generation and support of cleaner fuels.

Thoughts

Citizens mostly focused on highly visible or high profile issues - Gorse Burning, Incineration, Enforcement

Catching the public interest and imagination is key ... they can mobilise!

Industry and Associations on incentive changes, public investment, research and legislation

Concerns over legislation, calls for more research and public investment, engagement on legislation.

Government focused on standards, legislation, investment, research and communication

Updating legislation and building the knowledge base for action and communication.

Academics focused most on research and resourcing issues

Also made a number of very specific technical recommendations!

Contact

Andrew.Kelly@EnvEcon.eu

www.EnvEcon.eu