



## Energy in Transport Activities

December 2019



Comhairle Cathrach Chorcaí  
Cork City Council



**Cork County Council**  
Comhairle Contae Chorcaí

# Why Energy in Transport?

- A particular focus area for Energy Cork
- Responsible for 42% of Ireland's energy consumption (SEAI, 2018)
- >20% greenhouse gas emissions (CCAC, 2019)
- >90% dependent on imported oil for transport
- 10% RES Target for transport by 2020 (7.4% in 2017)
- Transboundary gas emissions (NO<sub>x</sub>, SO<sub>x</sub>, PMs), 1,200 deaths per year (EPA, 2019)
- Traffic congestion, quality of life, economic development

# Networking on the Move!

- Ireland's first carbon neutral bus passengers – Cork City to Ringaskiddy – 25th March 2019
- With Cork Chamber, Gas Networks Ireland, MaREI (UCC)



## THE IRISH TIMES

Tue, Apr 9, 2019

NEWS

SPORT

BUSINESS

OPINION

LIFE & STYLE

CULTURE

Ireland > Irish News

### Cork's 'green bus' to make maiden trip to Ringaskiddy

Eco-friendly journey to use biomethane in bid to play part in reducing carbon emissions

RTE

News Sport Entertainment Business Lifestyle Culture Player TV Radio More

News > Environment Ireland World Business Politics Nuacht Investigations Programmes

### Passengers travel on 'green bus' in Cork trial

Updated / Monday, 25 Mar 2019 14:41



# Ireland's Greenest Bus Fleet



**Cork County Council**  
Comhairle Contae Chorcaí



University College Cork, Ireland  
Coláiste na hOllscoile Corcaigh



**Gas  
Networks  
Ireland**

**ENERGY  
CORK**



**Comhairle Cathrach Chorcaí**  
Cork City Council



**Cork  
Chamber**  
Advancing business together



**Údarás  
Náisiúnta Iompair**  
National Transport Authority



**An Roinn Iompair  
Turasóireachta agus Spóirt**  
Department of Transport,  
Tourism and Sport



**Bus Éireann**

# The IGBF Proposal

- A green/low-carbon future for Cork City's Bus Fleet
- EVs/Hybrids/Natural Gas all options
- Market should decide based on life-cycle costs and environmental benefits
- ~120 vehicles transitioned to Green Bus technology
- CNG buses are a well tried and tested technology
- CNG technology allows for transition to renewable biogas in the medium term
- Renewable Biogas injection Co. Kildare, Mitchelstown
- CNG = natural gas compressed to <1% of normal volume

# Realising the IGBF proposal

- DTTAS carried out extensive trials of Low Emission Buses in Cork and Dublin Q4 2018 – Q2 2019
  - Diesel (Euro IV, Euro V, Euro VI)
  - Micro-hybrid (diesel)
  - Electric-hybrid
  - Compressed Natural Gas and Biogas
  - Battery electric
  - HVO (biofuel)-hybrid
- Summary results present a mixed picture (more info needed) but electric, biogas and bio diesel hybrid buses look promising
- Full trial results to come

# Realising the IGBF proposal

- Energy Cork will meet with NTA and DTTAS again to discuss next steps – Procurement
- No fully diesel buses procured after July 2019
- Bus journeys in Cork continue to increase
- LEV Buses are coming – Cork can and should lead.





**THANK YOU**

[office@energycork.ie](mailto:office@energycork.ie)

[www.energycork.ie](http://www.energycork.ie)

