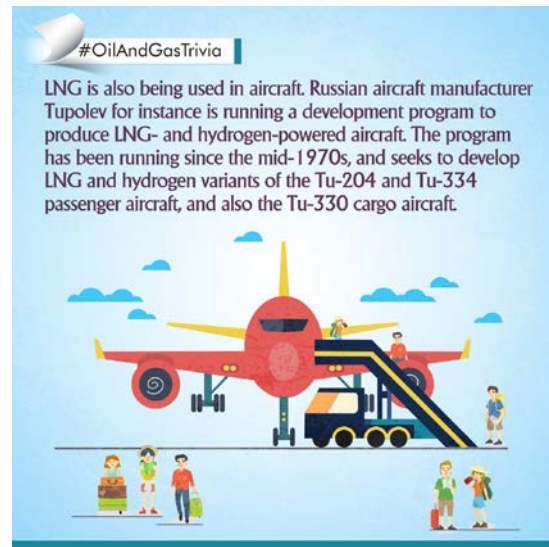


# Trender för biogasen på transportområdet



# Förstår EU äntligen skillnad på naturgas och biogas?

Brussels, 20.7.2016  
SWD(2016) 244 final

**COMMISSION STAFF WORKING DOCUMENT**  
*Accompanying the document*

**COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN  
PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL  
COMMITTEE AND THE COMMITTEE OF THE REGIONS**

**A European Strategy for Low-Emission Mobility**

{COM(2016) 501 final}

1/37/1

natural gas, including biomethane

# Olika EU direktiv skisserar den nära framtiden

- Biogasen klarar sig väl i **Förnybartdirektivet (gäller från 2021)**, om inte gjord från majs (grödor)
  - Krav på höga klimatprestanda från nya anläggningar
  - Långsiktigt fokus på "avancerade drivmedel"
- Gasen överlag stark i **Directive on Alternative Fuels (plan 2019)**, men inget krav på bioinblandning.
- Commission Regulation (EU) 2017/2400 of 12 December 2017 implementing Regulation (EC) No 595/2009 of the European Parliament and of the Council as regards the determination of the CO<sub>2</sub> emissions and fuel consumption of heavy-duty vehicles and amending Directive 2007/46/EC of the European Parliament and of the Council and Commission Regulation (EU) No 582/2011

# Kommande - Clean Vehicle Directive

- **Clean Vehicle Directive** (2009) sätter emissionskrav på ny tillverkade fordon
- **Clean Vehicle Directive** fokuserar på offentlig upphandling; lätta fordon utan krav på gas, tunga fordon och bussar, (bio) nämns.
  - The proposal sets minimum procurement targets for each category of vehicle and each Member State. For light-duty vehicles, Member States must reach a share between 16 % and **35 %** (2025).
  - For buses, Member States' targets range from 29 % to **50 %** (2025) and from 43 % to **75 %** (2030), and for trucks from 6 % to **10 %** (2025) and from 7 % to **15 %** (2030).
- Vehicles with zero-emissions at tailpipe or vehicles using natural gas provided they are fully operated on bio-methane, which should be demonstrated by a contract to procure bio-methane or other means of accessing bio-methane, shall be counted as 1 vehicle contributing to the mandate. This counting is abandoned in case of those Member States where the minimum procurement mandate exceeds 50% of the overall volume of public procurement, with a cut-off at the 50% mark. All other vehicles that meet the requirements of Table 2 in this annex shall be counted as 0.5 vehicle contributing.

# Nya tankar i Sverige

- Bonus-malus
- Fi2018/01103/S2: Ny inriktning för beskattning av tung lastbilstrafik
- Miljözoner med tillgång till inre zonen för Euro 6 gasfordon



# Tunga fordon

- LNG – äntligen!
- Flera tillverkare – äntligen!
- Bussar – biogas räddare i nöden?







Gas ersätter kol och diesel i Kina – 46% importökning 2017. 540% ökning i antalet LNG lastbilar 2017. LNG 4% av 6 miljoner tunga lastbilar.

# Fartyg

Fartyg med flytande gasdrift i drift eller under byggnad. 2017: 200 stycken, ett år innan 74 stycken.

Prognoser i Kina för årlig produktion 2020: "tusentals"





# LOOWATT system

