

Sustainable public transport development challenges in Latvia



«Future sustainable energy supply by innovative partnership – bio methane and CNG as an example»

The Innovative Partnership for Sustainable Energy 2020 (IPSE 2020)

Mayor of Valmiera City Council
Janis Baiks, janis.baiks@valmiera.lv

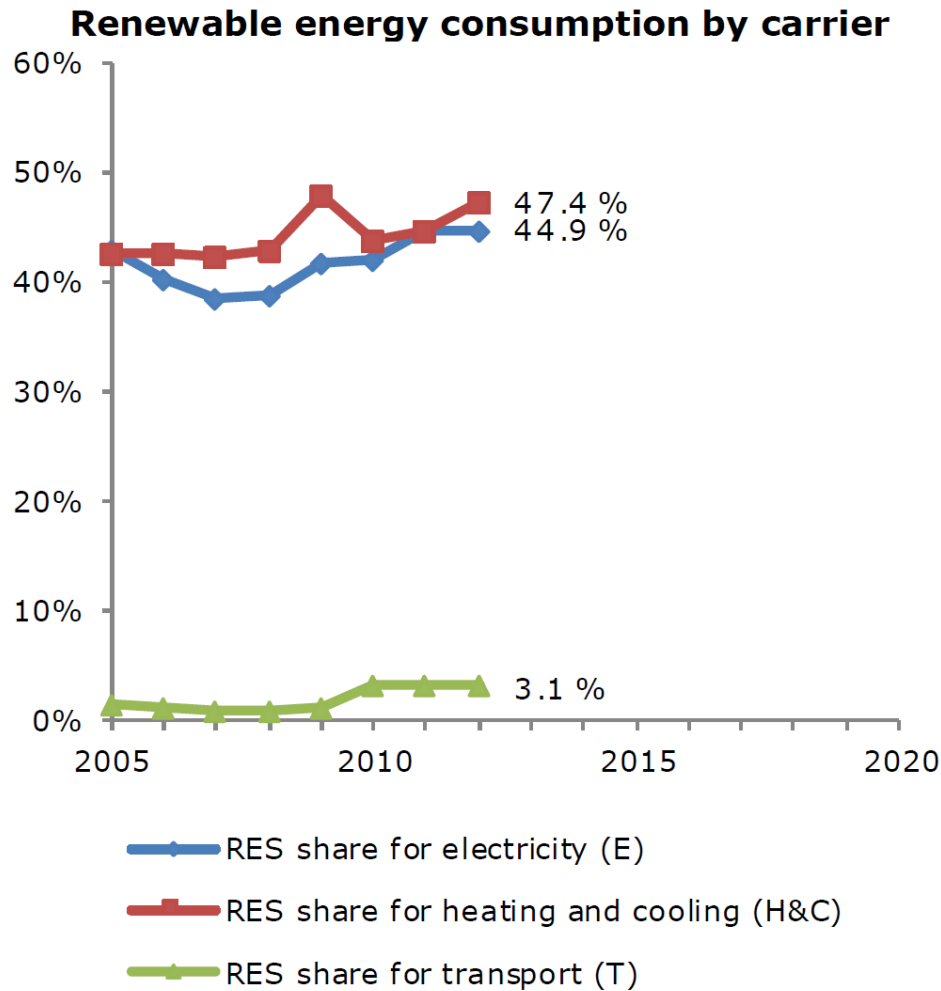
Substituted by Martins Niklass

Vidzeme region and Valmiera city

- Vidzeme Region is the biggest planning regions in Latvia (24% of Latvia territory)
- Vidzeme Region includes 25 local municipalities and 1 city – Valmiera
- Valmiera city: Total population - 25 344 (population density - 1394,1/km²)
- Valmiera City Municipality is the stakeholder in public companies:
 - “VTU Valmiera”, public transport services - 94 buses (from which 11 serves in Valmiera city)
 - “ZAAO”, waste management services - 17 waste collection trucks

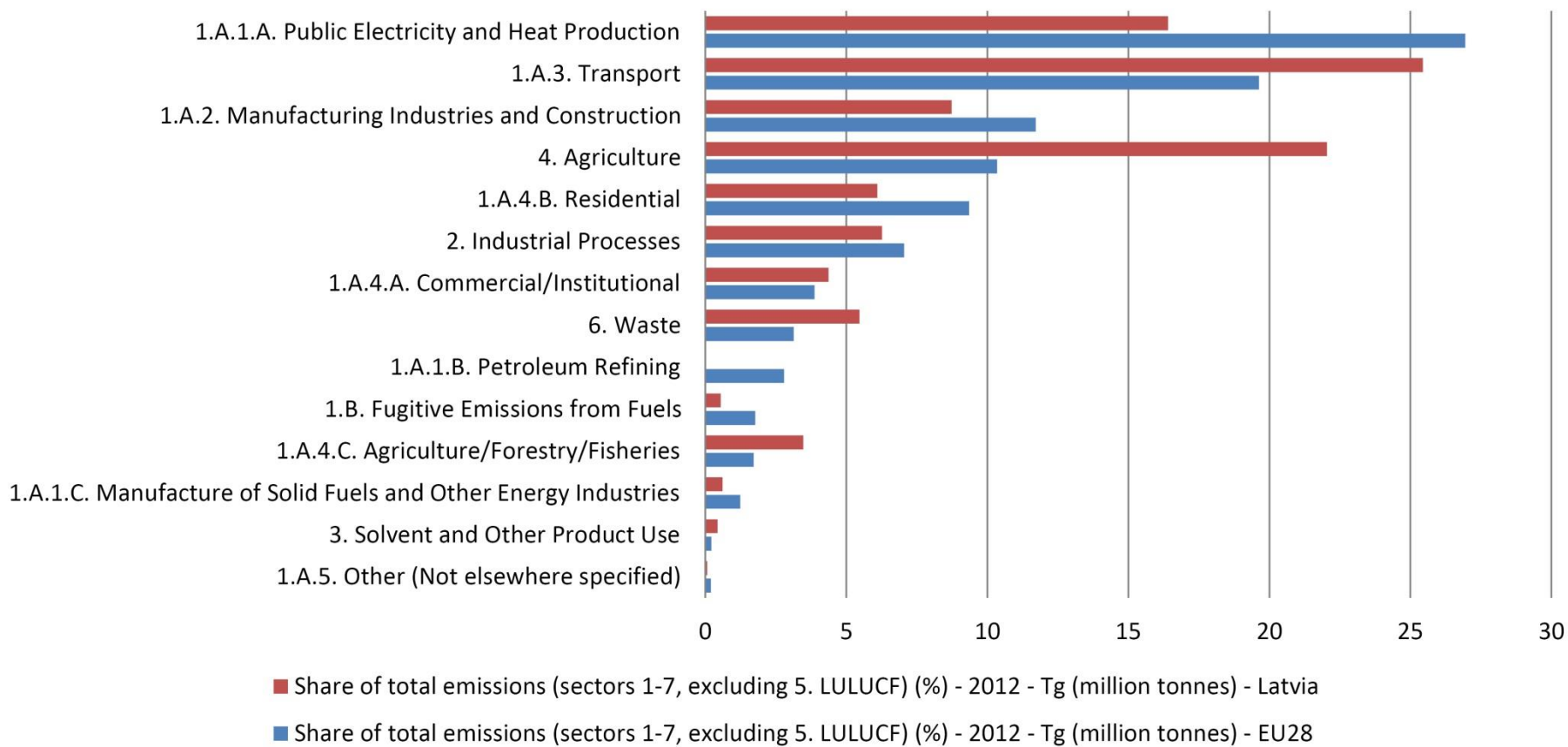


Share of renewable energy and GHG emissions by sector



*Data source: European Environment Agency (EEA)

Share of renewable energy and GHG emissions by sector



SUSTAINABLE TRANSPORT DEVELOPMENT POLICY

National level: "Sustainable Development Strategy of Latvia until 2030" and "National development plan 2020"

- Sustainable transport infrastructure to provide domestic and international mobility
- Reducing pollutant emissions from energy, industry, transport and agricultural sectors

Regional level: «Vidzeme region sustainable development strategy 2015-2030»

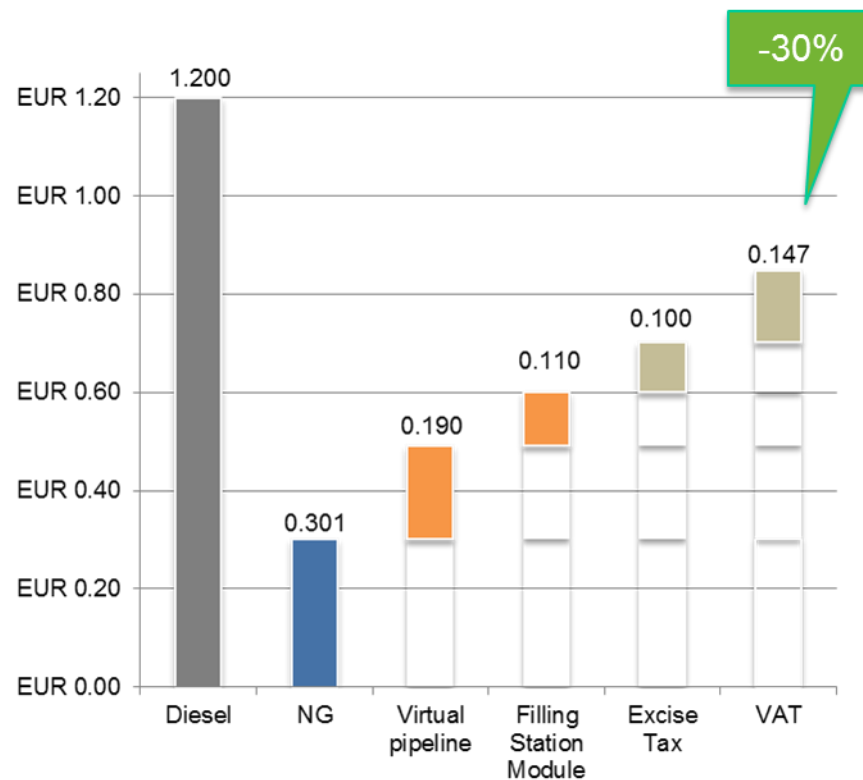
- Availability of intelligent public transport services
- Improved energy efficiency and use of renewable energy sources
- Looking for alternative modes of public transportation services

Valmiera city municipality level:

- Valmiera City Sustainable Development Strategy 2015-2030
- Valmiera City Environmental Declaration
- Concept of Biogas & Biomethane Production in Valmiera

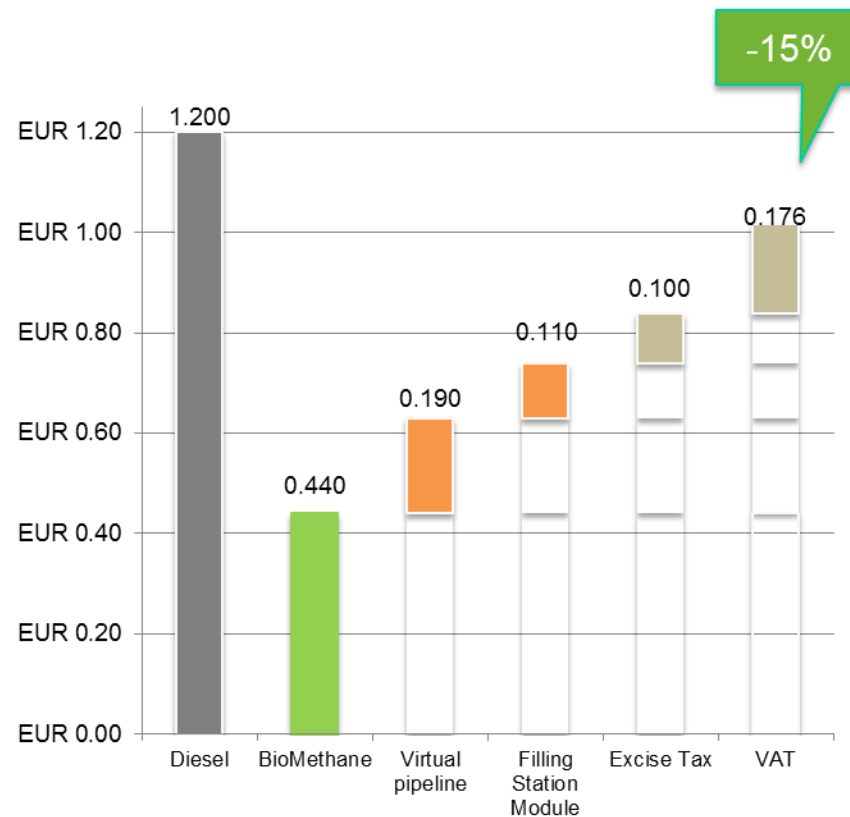
CNG vs Diesel price comparison

Gas Source: Natural Gas from pipeline

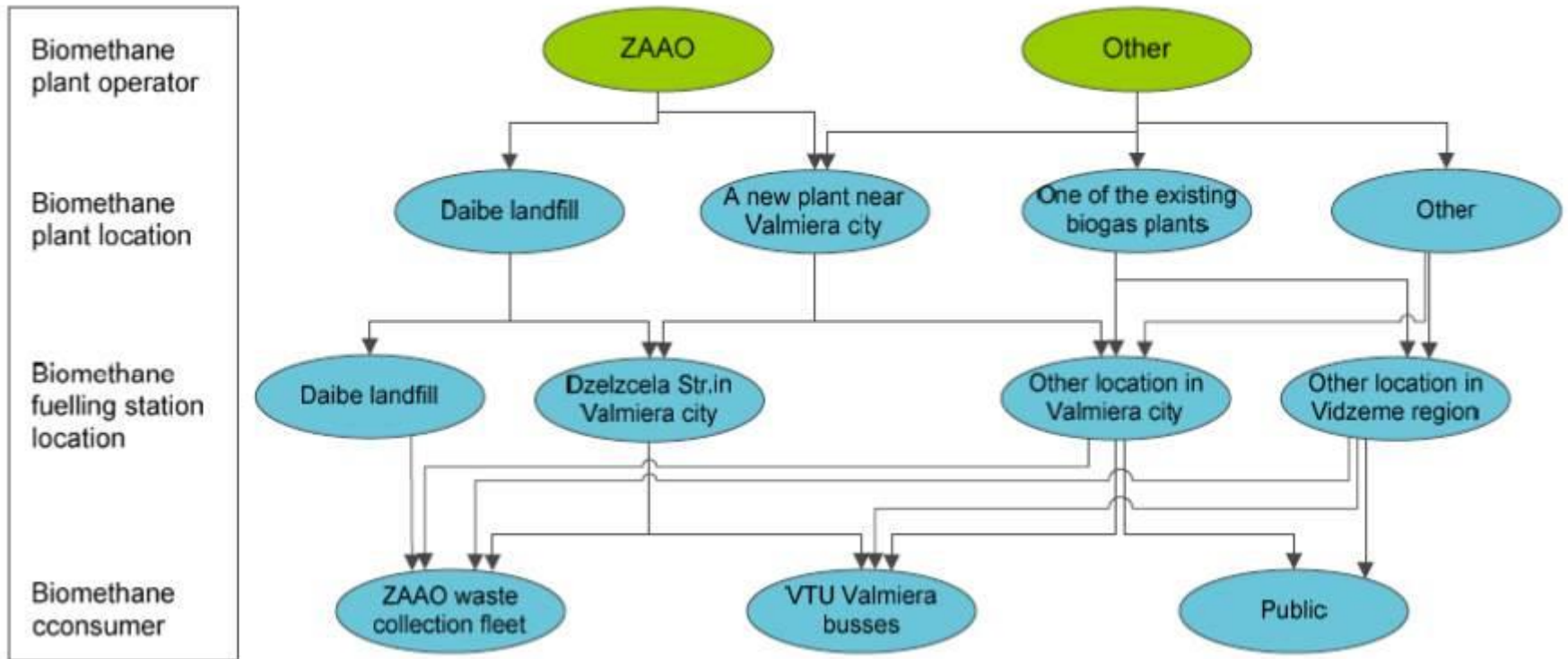


CNG vs Diesel price comparison

Gas Source: Biomethane plant



Organizational alternatives for biomethane production and utilization in transport in Valmiera



Sustainable public transport development challenges

Policy:

- Legal framework
- Public investment support

Infrastructure:

- Biomehtane upgrade
- CNG/CBG fueling stations
- Diesel fleet conversion or new CNG/CBG fleet

Public awareness:

- Public behavioral changes in the use of public transport
- Relation between air quality and public health

Thank you for your attention!



Mayor of Valmiera City Council

Janis Baiks

janis.baiks@valmiera.lv