

	 Bio-LNG	 Bio-CNG	 HVO	 Battery Electric (BEV)	 Hydrogen (FCEV)
Fuel/ Energy	Natural gas from biological sources, residuals and waste	Natural gas from biological sources, residuals and waste	Synthetic diesel from biomass	Renewable electricity	Hydrogen from renewable electricity
Drivetrain	Gas engine	Gas engine	Diesel (drop-in)	Electric	Electric with fuel cell
Use Case	Heavy Duty >44 tonnes Tractor Units All distances	Heavy Duty >40 tonnes Rigids & Tractors All distances	All classes All distances	All classes >40t Short / medium distances	All classes, long distances
GHG Reduction	70-85%	75-85%	80-90%	100%	
Air Pollutants	Euro VI	Euro VI	Euro VI	Zero Emission	
Infrastructure	Open Access: 2 By 2025: 6-8	Open Access: 12 By 2025: 20	Open Access: 5 By 2025: 20+	On site dedicated chargers Public charging TBC	TBC
Maturity	Market mature	Market mature	Market mature	2024-2030	TBC
Conclusion	 Preferred solution for tractor units. Infrastructure limits scope	 Preferred solution for tractor unit applications up to 40t	 Best solution for rigids & where bio-methane not applicable	 Future solution for short & medium distance	 Future solution for long distance