

Kolding Municipality Scenarios for green conversion		Baseline 2021			
		CO2 emission [kg]	192.275	Total costs	324.549 €
		CO2 index [--]	100%	Fuel costs	94.207 €
Year	Current vehicle	Diesel	Biodiesel	HVO	Electric
2022	263800 Volvo comprimator 3 axles chassis	FE 6x2 Euro VI chassis 2-room compressor	FE 6x2 Euro VI chassis 2-room compressor	FE 6x2 Euro VI chassis 2-room compressor	FE 6x2 Electric chassis 2-room compressor
	266500 DAF CF-series, hooklift 3 axles chassis	FE 6x2 Euro VI chassis hooklift	FE 6x2 Euro VI chassis hooklift	FE 6x2 Euro VI chassis hooklift	FE 6x2 Electric chassis hooklift
	Investment needs: infrastructure	0 €	14.783 €	14.783 €	282.216 €
	Investment needs: vehicle	403.166 €	403.166 €	403.166 €	860.088 €
	Expenditure on fuel	-1.075 €	21.771 €	25.937 €	403 €
	Depreciation EUR/year	15.052 €	15.052 €	15.052 €	60.744 €
	CO2 index	99%	80%	80%	78%
2023	265300 Case 695ST - Backhoe Kolding Nord Recycling Station	Volvo L30G with 1 m3 shovel and fork	Volvo L30G with 1 m3 shovel and fork	Volvo L30G with 1 m3 shovel and fork	Volvo L 25 Electric with 0.9m3 shovel and fork
	655400 Case 695ST – Backhoe Kolding Syd Recycling Station	Volvo L30G with 1 m3 shovel and fork	Volvo L30G with 1 m3 shovel and fork	Volvo L30G with 1 m3 shovel and fork	Volvo L 25 Electric with 0.9m3 shovel and fork
	Investment needs: infrastructure	0 €	29.566 €	29.566 €	56.443 €
	Investment needs: vehicle	94.072 €	94.072 €	94.072 €	201.583 €
	Expenditure on fuel	-1.528 €	33.732 €	36.016 €	672 €
	Depreciation EUR/year	9.407 €	9.407 €	9.407 €	20.158 €
	CO2 index	98%	71%	71%	67%
2024	267100 Volvo fm-500 Hooklift 4 axles chassis	FM 8x2 Euro VI chassis with hooklift	FM 8x2 Euro VI chassis with hooklift	FM 8x2 Euro VI chassis with hooklift	FM 8x2 Electric chassis with hooklift
	Investment needs: infrastructure	0 €	0 €	0 €	53.755 €
	Investment needs: vehicle	188.144 €	188.144 €	188.144 €	456.922 €
	Expenditure on fuel	-2.285 €	52.412 €	51.605 €	-13.573 €
	Depreciation EUR/year	28.222 €	28.222 €	28.222 €	65.850 €
	CO2 index	98%	56%	56%	51%

Notes:

"Investment needs infrastructure" for biodiesel and HVO the scenarios includes tank facilities, cabling and foundations and for the electrical scenario connection fee, branch line, charging stations, cabling and foundations. Investments in absolute numbers, ie the amount that must be concretely invested to realize the transition

"Investment needs: vehicles" includes a obtained budget price for the vehicle or machine.

"Expenditure on fuel" are in relative numbers. In other words, the change in the amount of the EUR that the specific track entails.

"Depreciation" is calculated as 10% current annual depreciation of the car's new price

"CO2 index" is measured against the reference year 2021. CO2 index is accumulated figures.