



Life Cycle Assessment of Public Services in the City of Zurich

Approaches and Strategy

LCA-DF81, Wädenswil, 16.09.2022

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**Wir
haben
ein
Klimaziel.**

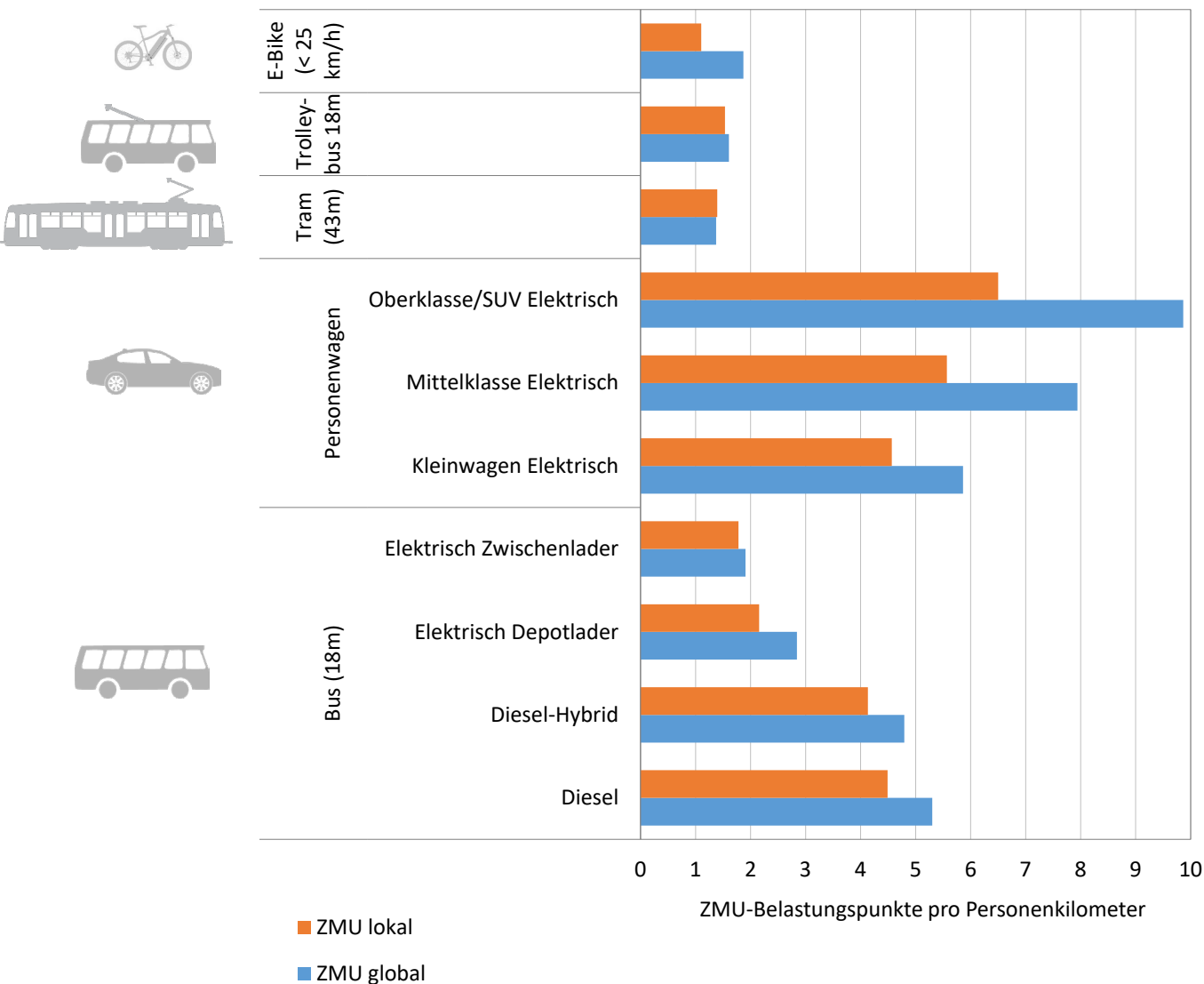
Gemeinsam arbeiten wir darauf hin.

**Mehr Zürich –
weniger CO₂**

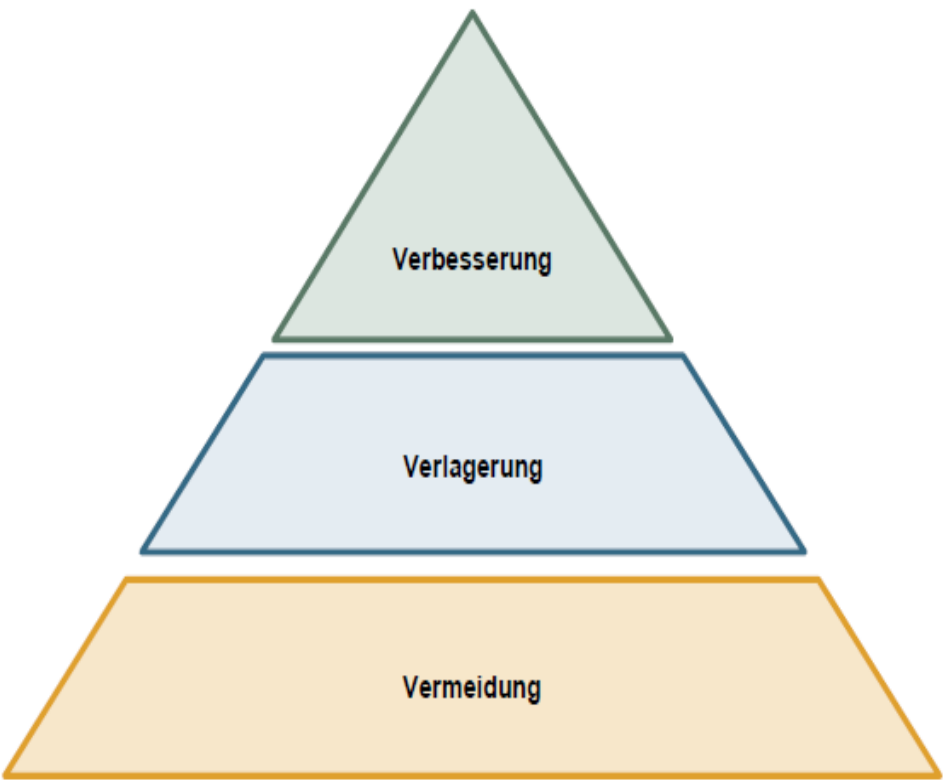


Environmental Impact of urban Mobility?

LCA Analysis

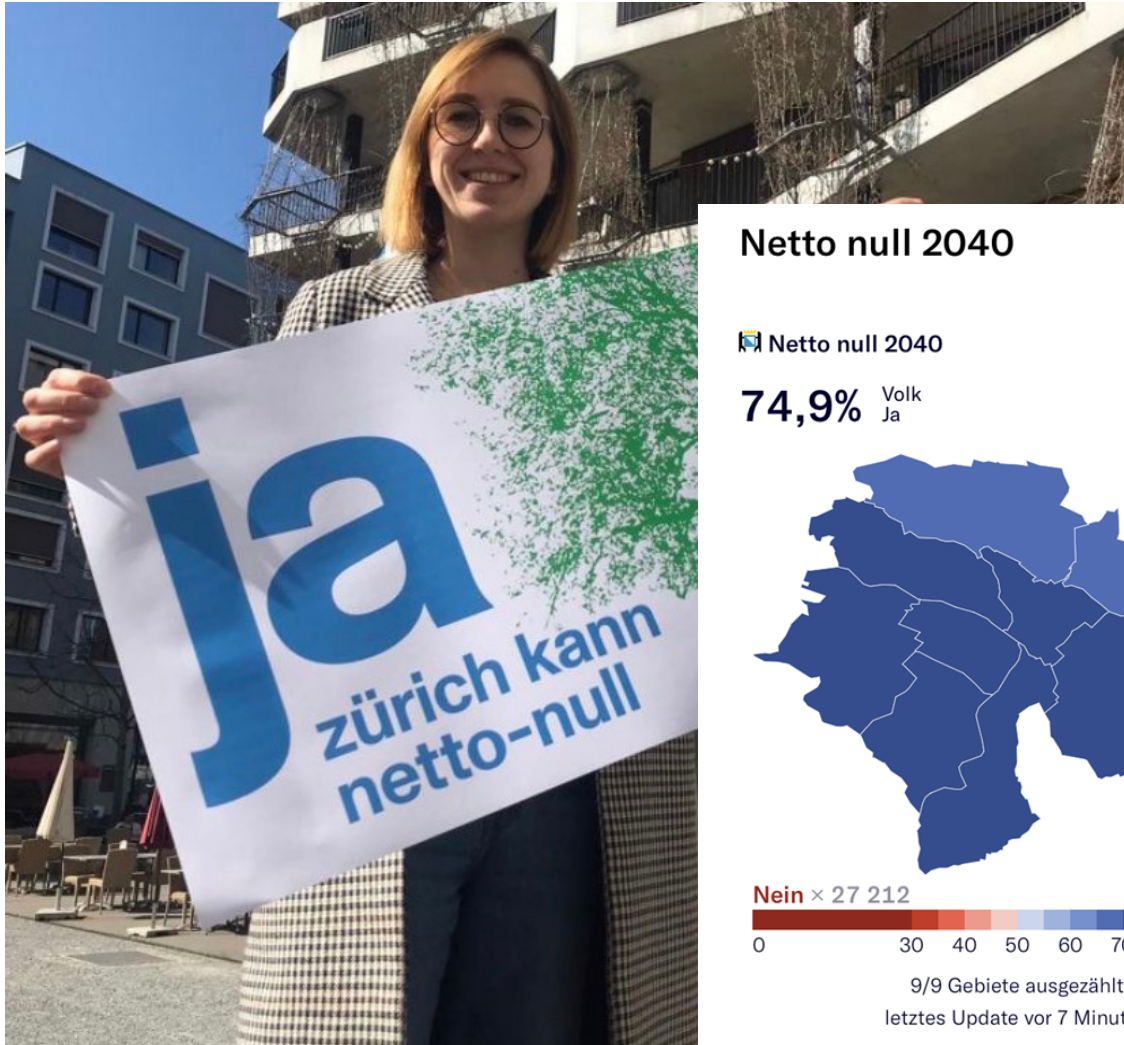


Implementation Pyramid



Referendum on May 15, 2022

Substantially more ambitious climate protection goal than before



Netto null 2040

Netto null 2040

74,9% Volk
Ja

JA



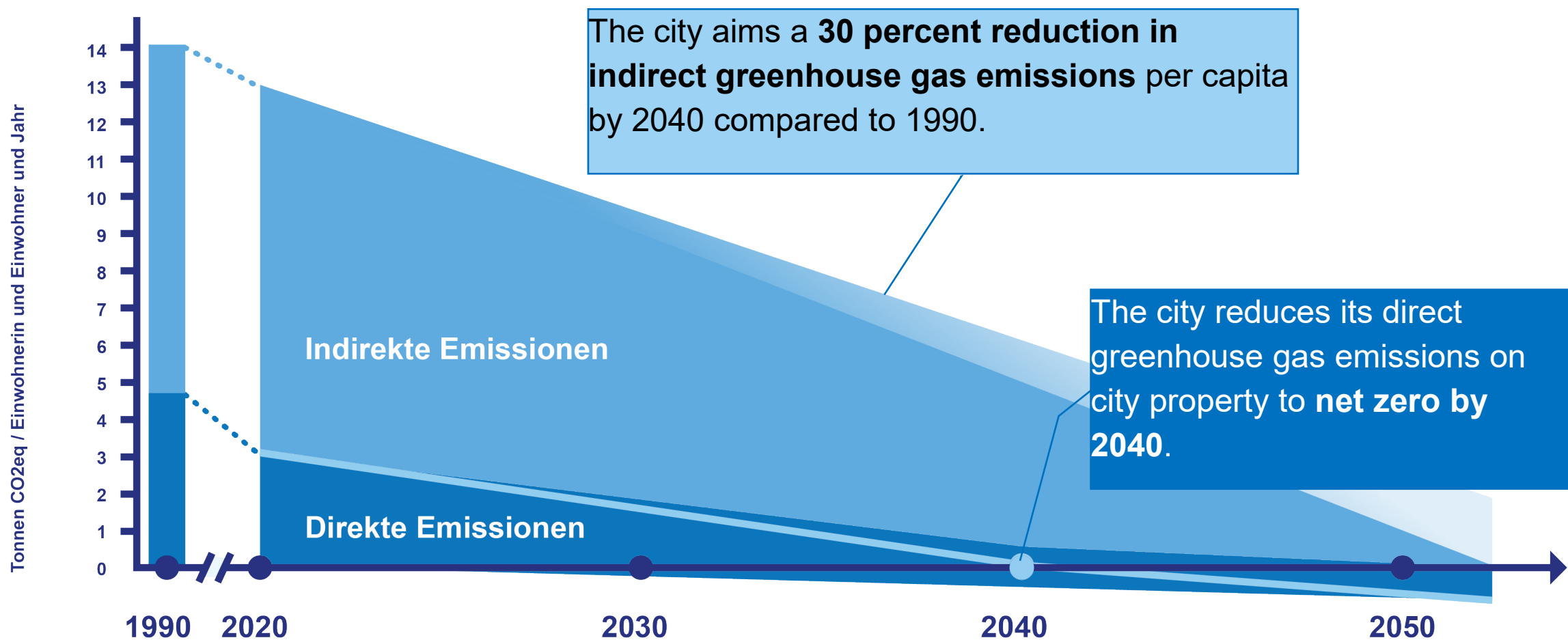
Nein × 27 212 81 158 × Ja
0 30 40 50 60 70 100

9/9 Gebiete ausgezählt
letztes Update vor 7 Minuten

- Net zero 2040 in the constitution of the city of Zurich
- 75 % voted YES
- Adjusted energy law of the canton of Zurich by September 1, 2022: replacement of oil- and gasheating at end of life.

New aim: Net zero 2040 for the city of Zurich

Measures within the influence of the city administration: Net zero 2035



Biggest Challenge: System boundary

City vs. Administration

	City of Zürich	Administration
Direct GHG-Emissions minus carbon sinks	Net-Zero until 2040	Net-Zero until 2035
Indirect GHG-Emissions	Minus 30% per Capita until 2040 (reference 1990)	Minus 30% until 2040 (reference 1990)

Biggest Challenge: System boundary City vs. Administration

Territorial Boundary



Huge reduction in
direct heating emissions

The administration aims
to improve the City



Example:

Expansion of the thermal grid
from 35% to >60% coverage



Company Boundary



Huge indirect emissions due to
Grid building activities



How to achieve the accelerated Net-Zero goal for the public administration?

Biggest Challenge: System boundary

City vs. Administration

	City of Zürich	Administration
Direct GHG-Emissions minus carbon sinks	Net-Zero until 2040	Net-Zero until 2035 Focus on direct emission reduction
Indirect GHG-Emissions	Minus 30% per Capita until 2040 (reference 1990)	Minus 30% until 2040 (reference 1990)
	Primary Focus: City-Level	Reporting of individual measures

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 **klimazuerich**

 **Umwelt- und
Gesundheitsschutz**

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