

CT-TR-002 — Public Transit Electrification

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eu_taxonomy_aligned	Y
cbi_eligible	Y
iea_aligned	Y — IEA includes urban transit decarbonisation
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cth_clp_coverage	Y
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schema_version	1.1
last_updated	2026-05-27

Description

Electrification of urban public mass transit systems including bus rapid transit (BRT), metro and light rail, and feeder bus fleets. Covers vehicle procurement, charging infrastructure, grid integration, and operational optimization for electric public transit at city scale.

Colombia Context

Bogota's Transmilenio BRT system is undergoing phased electrification with 1,485 electric buses ordered or deployed, making it one of the largest e-bus fleets outside China. Bogota Metro Line 1 is under construction (completion ~2028), fully electric from inception. Medellin's Metro has operated electric rail since 1995 and is expanding. Cali's MIO and Barranquilla's Transmetro are also exploring electrification. MinTransporte's CONPES 3991 (Politica Nacional de Transporte Urbano) supports transit electrification through national co-financing. Colombia's NDC includes specific targets for public transit emissions reduction.

EUDR Relevance

No direct EUDR relevance. Public transit electrification does not intersect with commodity supply chain traceability or deforestation monitoring.

CTH Data Coverage

Good CTH coverage. CLP cohort includes transit-tech startups. Sustenttia tracks urban emissions metrics. CTH Research monitors public transit electrification progress across LATAM cities. REIN Hub maps transit technology providers.

Green Finance Alignment

Strongest green finance alignment in the transport sector. TVC explicitly includes public mass transit electrification. CBI certifies transit infrastructure investments. EU Taxonomy recognizes urban public transit as climate mitigation. IEA highlights transit electrification as highest-impact urban decarbonisation pathway. Multiple green bond issuances in LATAM have funded transit electrification.

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