



CAPE TOWN, SOUTH AFRICA

Policy Pathway

Municipal Buildings Pathway

Further information

[Cape Town Energy 2040](#)

[C40 South Africa Buildings Programme](#)



4,012,441 inhabitants

Warm-summer mediterranean climate

Existing / Planned Regulations & Roadmaps

- A proposed new by-law is being developed to ensure all new buildings are net zero carbon by 2030, including mandatory requirements for building design, construction and building services
- As part of participating in the C40 Reinventing Cities programme, five sites have been selected to be catalytic demonstrators for the design and implementation of carbon neutral developments
- Establish energy performance benchmarking targets (including small-scale embedded renewables) or all building types, with specific targets and dates for the transition to net zero carbon by 2050, informed by modelling
- Incentive and disincentive packages for carbon neutral developments are being developed under the C40 South Africa Buildings Programme
- Proposed Residential 'Sustainability Declaration' by-law to inform new buyers about the sustainability features and operating costs of a residential property to drive retrofit improvements by sellers and/or buyers

Municipal Buildings

- Developing municipal building specifications which will require that all new municipal buildings be net zero carbon in operation by 2030
- Existing municipal buildings will require a detailed zero carbon retrofit plan, developed in consultation with key city stakeholders subject to capacity and financing options
- The municipality undertakes regular assessments of municipal buildings' energy demand and carbon emissions, with annual monitoring and reporting through an integrated smart data platform; in 2016 municipal buildings were responsible for 87,853 tonnes CO₂e
- Actions to reduce energy consumption and carbon emissions include retrofitting of 39 large municipal administrative buildings to date; installing rooftop PV at seven buildings with a total capacity of 523kWp, with planned installation of 844kWp at eight additional sites in 2018; measurement and verification on all projects; smart metering; and Energy Management training of facility managers

