



### Further information

[Growth and Development Strategy 2040](#)

[C40 South Africa Buildings Programme](#)

[Design Guidelines for Energy Efficient Buildings in Johannesburg](#)



### Existing / Planned Regulations & Roadmaps

- Committed to the establishment of sustainable, eco-efficient infrastructure solutions to create a landscape that is liveable, resilient, sustainable and supports low carbon initiatives as part of Growth and Development Strategy 2040
- Energy Efficiency Design Guidelines developed in 2008 to minimise energy demand in new buildings
- Energy Efficiency Retrofit Guidelines, developed in 2017, advises building owners on effective ways to increase energy efficiency of existing buildings
- Participating in the C40 South Africa Buildings Programme to enhance current policy work towards ensuring the development of net zero carbon new buildings
- New Green Building or Energy Efficiency by-law for all new and existing buildings to mandate higher energy performance requirements
- Financial and non-financial incentives to be explored to support net zero carbon buildings

### Municipal Buildings

- Carry out retrofits to meet net zero carbon target of 2030 as part of the Energy Efficiency and Demand Side Management (EEDSM) programme
- Selected to pilot the Energy Efficiency in Public Buildings Programme (EEBIP) with the Department of Energy (DoE)
- Target of 40MW for alternative energy generation for 2018-2019
- Determine local PV and off-grid solutions for municipal buildings by 2025 in line with the Energy Plan
- Benchmark existing energy demand and emissions from municipal building stock through GHG Inventory by end of 2018
- Model potential costs and savings impact of 100% penetration of the best-known efficiency interventions, prioritise energy efficiency and renewable energy intervention, and set targets for all buildings
- Conduct education and awareness training to empower facilities managers, and empower young graduates to perform energy audits for municipal buildings

4,900,000 inhabitants

Subtropical highland climate

