Climate Projections

Coimbatore will see an increase in average maximum temperature by 3.1°C, increase in average minimum temperature by 3.4°C by the end of the century and increase in rainfall upto 0.5% by 2050, with increasing frequency of short duration high intensity rainfall.

Energy Consumption & GHG Emissions

- **Energy Consumption (Thousand GJ)**
  - 2016-17: 12,500
  - 2017-18: 25,000
  - 2018-19: 37,500
  - 2019-20: 50,000
  - 2020-21: 62,500

- **GHG Emissions (Thousand tCO2e)**
  - 2016-17: 1,250
  - 2017-18: 2,500
  - 2018-19: 3,750
  - 2019-20: 5,000
  - 2020-21: 6,250

Vulnerability & Risk Assessment

- **Solid Waste**
  - Wards impacted by at least one fragile urban systems
  - Wards impacted by at least two fragile urban systems

- **Transport**
  - Wards impacted by at least one fragile urban systems
  - Wards impacted by at least two fragile urban systems

- **Water**
  - Wards impacted by at least one fragile urban systems
  - Wards impacted by at least two fragile urban systems

Proposed Climate Resilient Interventions in the Action Plan

- **Buildings (Residential, Municipal Commercial and Industrial)**
  - Example Resilience Interventions:
    - Enhanced energy resilience
    - Improved access to public spaces
  - Climate Resilience Impact:
    - Reduction in urban heat island effect
    - Increase in socio-economic benefits
    - Improved air quality

- **Industry**
  - Example Resilience Interventions:
    - Enhanced energy resilience
    - Improved socio-economic benefits
  - Climate Resilience Impact:
    - Reduction in urban heat island effect
    - Increase in socio-economic benefits

- **Solid Waste**
  - Example Resilience Interventions:
    - Enhanced energy resilience
    - Improved socio-economic benefits
  - Climate Resilience Impact:
    - Reduction in urban heat island effect
    - Increase in socio-economic benefits