

# CLIMATE CHANGE PROJECTS TIME LINE FROM 2005 – 2018



This timeline gives an overview of the major climate change projects and reports in the Western Cape over the last 13 years. While initial work was focussed on generating knowledge and information around climate change impact in the Western Cape and creating high-level climate change response strategies, we have moved towards tracking emissions and responses to inform our actions, while refining climate change strategies at the sectoral and municipal level. The role of provincial and local authorities in responding to climate change has been strengthened over the last few years and the importance of this work is critical in contributing to meeting our climate change commitments, and in being well prepared for the impacts we are already experiencing in the region.

Click the images to download the relevant documents.

**2005**

## A STATUS QUO, VULNERABILITY AND ADAPTATION ASSESSMENT OF THE PHYSICAL AND SOCIO-ECONOMIC EFFECTS OF CLIMATE CHANGE IN THE WESTERN CAPE.

This report was a first attempt to assess the vulnerability of the Western Cape to the potential regional manifestations of the forces of global climate change.



**2008**

## WESTERN CAPE CLIMATE CHANGE RESPONSE STRATEGY AND ACTION PLAN

The Western Cape Government strategy that guided climate change response between 2008 and 2014.



**2009**

## PGWC CC GUIDELINES SPECIALIST STUDIES

Specialist studies undertaken to support the development of a guideline on incorporating Climate Change adaptation and mitigation measures in environmental and spatial development planning and the development and environmental authorisation process.

**2011 - 2013**

## SEA LEVEL RISE STUDIES

A set of studies done to assess the coastal flood risk in Eden, West Coast and Overberg District Municipalities, due to projected sea level rise.



**2012-2017**

## MUNICIPAL SUPPORT PROGRAMME

This programme focussed on providing assistance to municipalities in developing local climate change response strategies.



**2013**

## WESTERN CAPE ENERGY CONSUMPTION AND CO<sub>2</sub>e EMISSIONS DATABASE

A report on Western Cape province's energy consumption and CO<sub>2</sub> emissions for the year 2009, as compared to 2004.



**2014**

## COMMUNICATION AND AWARENESS MATERIALS

Various posters designed for distribution to households, schools and workplaces raising awareness on climate change and what you can do to help fight it.



**2014**

## BACKGROUND REPORT ON CLIMATE SCIENCE INPUT INTO MUNICIPAL CLIMATE ADAPTATION PLANS

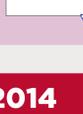
This report delivers simplified climate information, which includes projections from models and the various methods used to extract finer scale information, so that municipal managers within the local government can be better equipped when dealing with climate information, awareness on climate change and what you can do to help fight it.



**2014**

## WESTERN CAPE CLIMATE CHANGE RESPONSE STRATEGY (WCCCRS)

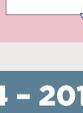
The Western Cape Government strategy that guides climate change response across all provincial Departments between 2014 and 2019



**2014**

## WCCCRS: RESPONSE IMPLEMENTATION FRAMEWORK

The implementation framework that flows from the WCCCRS (2014) and guides Western Cape Government Departments on how to implement it.



**2014 - 2015**

## IDP BASELINE FRAMEWORK ASSESSMENTS

Assessments done of all municipal IDPs in the province regarding their inclusion of climate change issues and responses.

**2014 - 2015**

## CASE STUDIES

**Berg River Climate Adaptation:** case study describing the work done in the Bergrivier Municipality to create the first municipal Climate Change Adaptation Plan in the Western Cape.

**Responding to Coastal Erosion:** Soft engineering alternatives for Langebaan – case study describing the work done in Langebaan using soft engineering alternatives (instead of hard engineering) to address coastal erosion.

**Protecting assets, infrastructure and communities in the Western Cape:** the application of ecosystems and natural infrastructure for climate protection – case study of various Ecosystem-based Adaptation projects in the Western Cape.

**Smart Grids in the Western Cape:** Initial Research and Lessons Learnt – case study of research conducted by GreenCape into the building of business cases for smart grid technologies in particular municipalities.

Available on request: [Click here](#)

**2015**

## MITIGATION SCENARIOS FOR THE ENERGY SECTOR

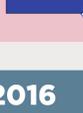
A study focussing on the climate mitigation potential of the energy sector in the Western Cape, including an analysis of electricity and fuel supply options, and identifying specific mitigation measures and their effectiveness.



**2016**

## CHANGING BEHAVIOUR IN THE WESTERN CAPE

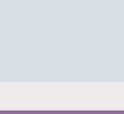
Driven by the Chief Directorate: Policy and Strategy with the Department of the Premier, this was an initiative to apply behavioural economics to policy challenges, amongst others energy use within government as it contributes to climate change.



**2016**

## SMARTAGRI: WC CLIMATE RESPONSE FRAMEWORK AND IMPLEMENTATION PLAN FOR THE AGRICULTURAL SECTOR

This strategy provides a practical and relevant climate change response plan specifically for the agricultural sector of the Western Cape Province.



**2016**

## WESTERN CAPE CLIMATE CHANGE RESPONSE STRATEGY BIENNIAL M&E REPORT (1<sup>ST</sup>)

This report highlights the implementation efforts relating to the focus areas outlined within the Western Cape Climate Change Response Strategy 2014. The report is published every 2 years.



**2017**

## REPORT ON THE UPDATED RISK & VULNERABILITY COMPONENT OF THE 2008 CLIMATE CHANGE RESPONSE STRATEGY

Available on request: [Click here](#)

**2017**

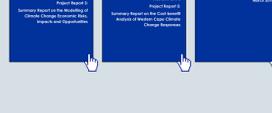
## PROVINCIAL RISK PROFILE

This report measures the risk profile of the Western Cape, including climate change risk, and is aimed at provincial and local decision-makers.

**2017**

## THE ECONOMIC RISKS AND OPPORTUNITIES OF CLIMATE CHANGE RESILIENCE IN THE WESTERN CAPE

This research project investigated the future impact of climate change on the Western Cape economy, based on different scenarios of climate change severity as compared to various adaptation response scenarios. Outcomes showed that if the Western Cape does not adapt sufficiently to climate change the economy will suffer; however, if we do adapt this leads to better economic growth and new opportunities aimed at provincial and local decision-makers.



**2018**

## ENERGY CONSUMPTION AND CO<sub>2</sub>e EMISSIONS DATABASE FOR THE WESTERN CAPE

A report on Western Cape province's energy consumption and CO<sub>2</sub> emissions for the year 2015/16, as compared to 2009 and 2012/13.



**2018**

## LITERATURE REVIEW ASSESSING CLIMATE CHANGE RISKS AND IMPACTS ON THE HEALTH SECTOR IN THE WESTERN CAPE, SOUTH AFRICA

An academic literature reviews of the potential impacts on health from climate change. This project produced a literature review, a policy brief and a final report. 2015/16, as compared to 2009 and 2012/13.

**2018**

## WESTERN CAPE CLIMATE CHANGE RESPONSE STRATEGY BIENNIAL M&E REPORT (2<sup>ND</sup>)

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