

# Food and Beverage Industry

## Sustainable water use

23 March 2018



CITY OF CAPE TOWN  
ISIXEKO SASEKAPA  
STAD KAAPSTAD

In partnership with



**Western Cape  
Government**  
Economic Development  
and Tourism

# Drought Status Available Support

Raldo Kruger

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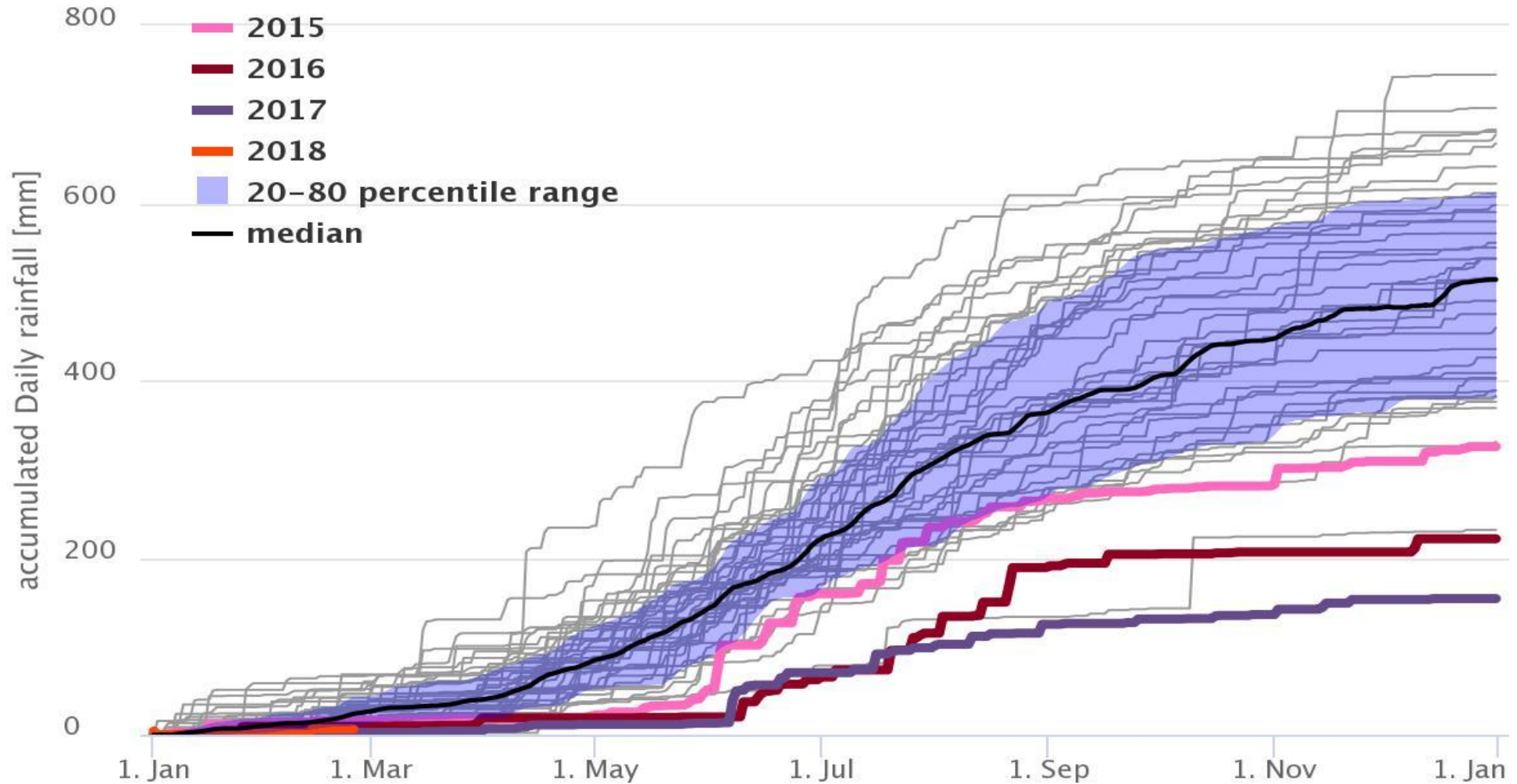
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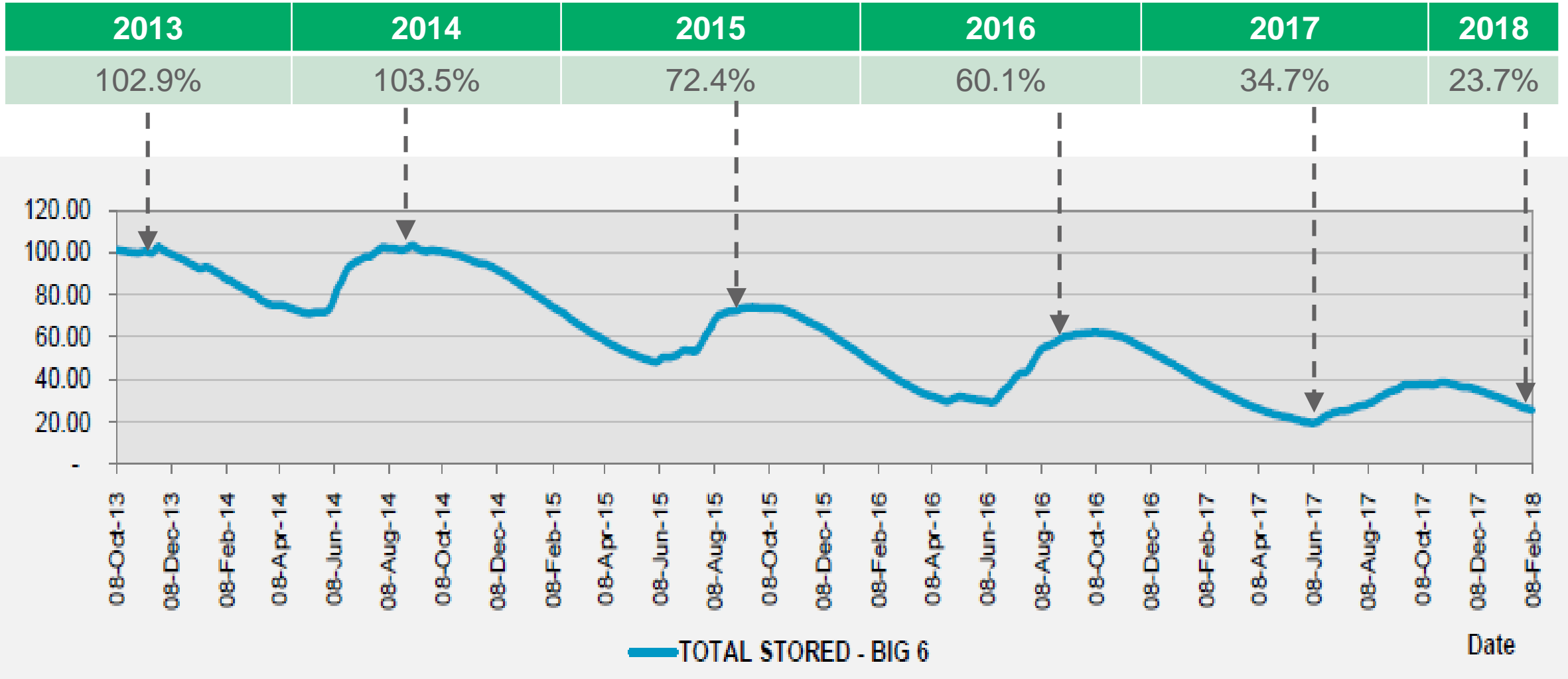
# Update on rainfall figures – Cape Town

## Accumulated daily rainfall at Cape Town Airport



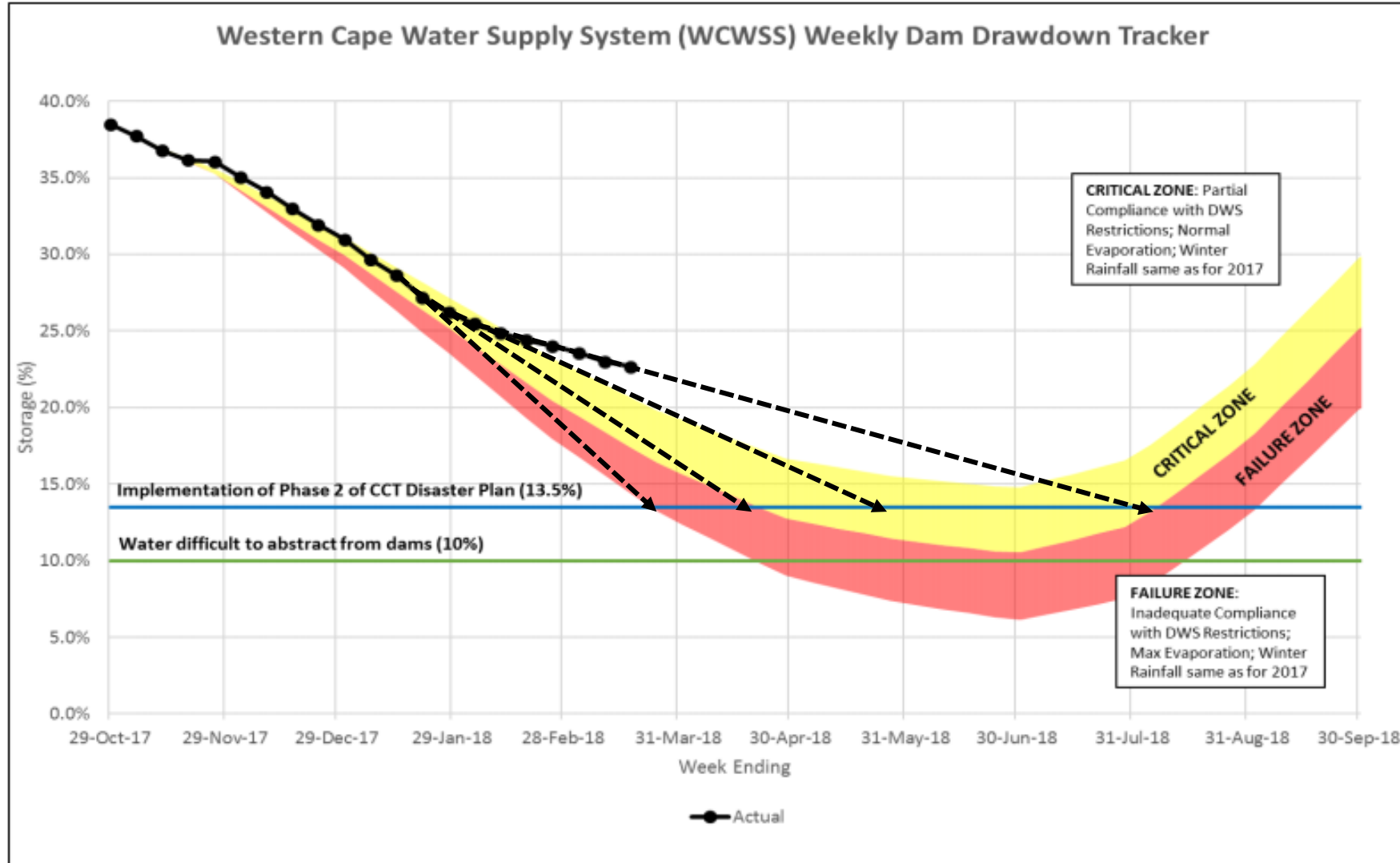
Data: SAWS through GSOD, Figure: © Climate System Analysis Group, University of Cape Town

# Dam levels of the biggest six dams in the Berg River System that the City draws from (26 Feb 2018)



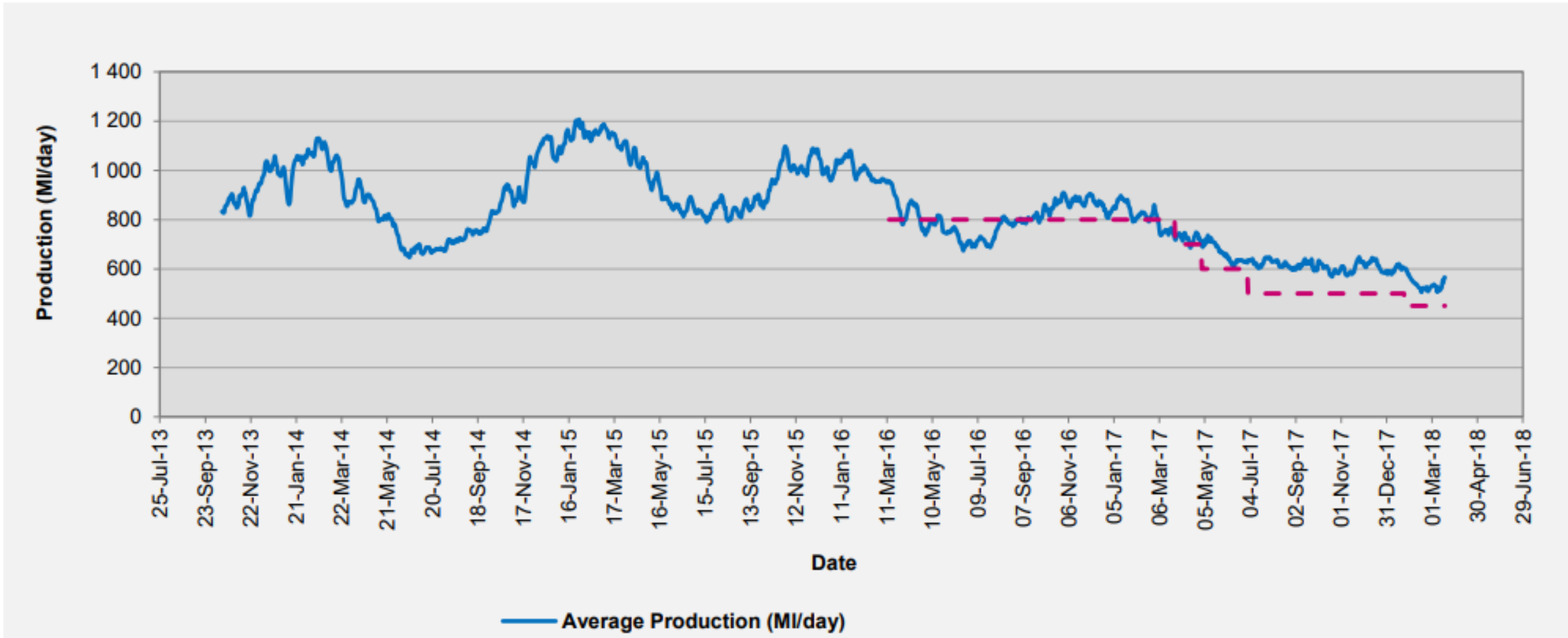
# Day Zero – risk now 2019

## Western Cape Water Supply System (WCWSS) Weekly Dam Drawdown Tracker



# Day Zero – risk now 2019 – low consumption

CCT Daily Average Water Production (7 Day Avg)



# Regional contingency planning

- ❑ Key aim is to avoid Day Zero all together by stretching water resources until next winter's rainfall;
- ❑ Only way to move Day Zero further back – reduce consumption.
- ❑ Contingency plans for municipalities are being developed by the Provincial Disaster Management Centre

# Key messages

- ❑ The **effects** of the current drought are **long term** and can only be broken with **3-4 years of good rain**
- ❑ **Restrictions** are here to stay – likely level 6B restrictions until 2019
- ❑ **Water tariffs** are likely to remain high in the future
- ❑ Need to **diversify supplies – too dependent on dam storage**
- ❑ Need to adapt to a '**new normal**' – better business case for water projects
- ❑ **Whole of society approach** – businesses key partner
- ❑ **Business support** is available



# Business support offered

## Western Cape Provincial Government

For general water for the economy program support incl.:

- Industry engagements
- Links with municipalities
- Licensing issues
- Contingency planning
- Website updates
- Business related communication materials

[helen.davies@westerncape.gov.za](mailto:helen.davies@westerncape.gov.za)

[lourencio.pick2@westerncape.gov.za](mailto:lourencio.pick2@westerncape.gov.za)

<https://www.westerncape.gov.za/110green/water>

## City of Cape Town

- Energy, Water and Waste Business Forum
- Star rating tool for good water management practices (business operations) – CCT's currently being updated
- New technology evaluation process
- Awareness materials
- Guideline for installation of alternative water systems (households & businesses) being developed.

Treated effluent:

[treated.effluent@capetown.gov.za](mailto:treated.effluent@capetown.gov.za)

Communications materials:

[www.capetown.gov.za/thinkwater](http://www.capetown.gov.za/thinkwater)

## GreenCape

For technical business support

- increasing water efficiencies, reusing or recycling water and supply options
- Case studies
- Benchmarking
- Linking with water tech suppliers
- Technology choices
- Networking events, etc.

[water@green-cape.co.za](mailto:water@green-cape.co.za)

<http://www.greencape.co.za/content/focusarea/business-support>



# Thank You

Raldo Kruger

Water Sector Desk Analyst

[raldo@greencape.co.za](mailto:raldo@greencape.co.za)

+27 21 811 0250