



CITY OF CAPE TOWN
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STAD KAAPSTAD

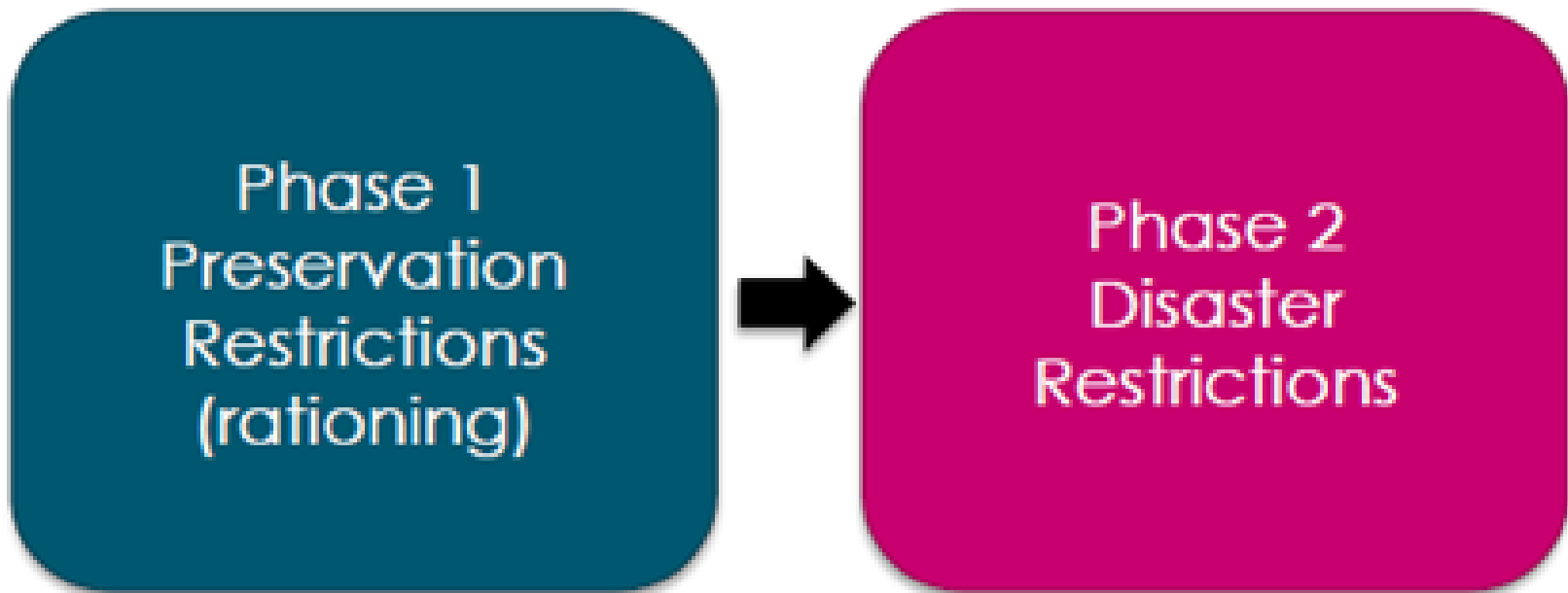
Briefing on Water Disaster Plan

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20 February 2018

Making progress possible. **Together.**

INTEGRATED WATER EMERGENCY DISASTER MANAGEMENT PLAN

PHASES



SAVE OR QUEUE

SAVE WATER

- 50 litres per person per day
- Level 6 B restrictions currently in place with effect 1 February 2018
- Tariff disincentives penalise high end users to discourage excessive use of potable water
- Stretch out available water and avoid day zero – keep water in taps not in queue

QUEUE

- Water Points of Distribution – queue for water
- Rationing to 25 litres per person per day
- Large portions of residential and business nodes cut off or severely restricted
- Huge disruptions to private and business life and activities

PHASE 1 – PRESERVATION RESTRICTIONS

- **Water Rationing through Throttling (limiting supply)**
- **Advanced Pressure management - Localised water outages**
- Leak detection
- Treated effluent system augmentation
- Water Management Devices
- Enforcement – City and Dws
- **Purpose:**
 1. To prevent escalating to Phase 2: Disaster Restrictions
 2. To prevent daily water use from exceeding predefined limits 500ML

PHASE 2 – DISASTER RESTRICTIONS

- **Trigger Point:** When total dam capacity reaches **13,5%, Day Zero**,
 - Water supply to residential areas will be severely reduced or cease
 - Water supply to core businesses and critical infrastructure institutions, such as hospitals and declared national key point areas , will continue as far as possible
- Daily water use will be **actively controlled through the distribution of water** to residents through **localized water collection points (PODs), across** the city. 350 kl per day for 3 months
- **Supply** will be maintained for **Informal Settlements – standpipes the norm**
- **Purpose:**
 1. To stretch our existing water supply
 2. To minimize the impact on human life and jobs.

POINTS OF DISTRIBUTION – PODS

POD – LOCATIONS

- Strategic economic nodes, critical infrastructure, national key points (Airport) and informal settlements to remain connected
- Residential areas predominantly disconnected
- Approximately 200 PODs
- **Criteria for Selection of Location of Pods**
 - Connected to core water reticulation system
 - Large enough space to accommodate pedestrian and vehicle water collection activities
 - Have safe access and egress routes for public parking and pedestrians
 - Safety and Security considerations

POD - Design

- Provision of water for approx. 20 000 persons (25 litres per person)
- Throughput at each POD between 10-15 000 persons per day
- Between 50 and 100 water outlets per POD
- Vehicle and pedestrian options for collection
- Bulk water collection points
 - For organizations delivering to the vulnerable
 - Business collections
- On-site toilets and refuse management
- Lighting





STAND PIPE SET UP



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POD – OPERATIONS

- Joint operations with National and Provincial Government
 - Safety and Security deployment and collaboration with SAPS and SANDF
 - NATJOINTS instruction issued
- Venue Operations Centre (VOC)
 - Law Enforcement
 - Traffic Services
 - City officials
 - Volunteers –Queue Marshalls
 - First Aid Point
- Light Regulation
 - Officials on site to monitor abuse
 - Public asked to assist
- Security deployment in line with risk assessment per POD
- Phased Approach: Build in Flexibility with regards to
 - Operating Hours



STAFF AND VOLUNTEERS



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Disaster Plan – Call to Action

- NGOs, Community Based Organisations, Faith Based Organisations, International Organisations and Businesses
- Vulnerable Groups
 - Delivery of water : dayzero.waterdelivery@capetown.gov.za
 - Donation of Water and Containers: dayzero.donations@capetown.gov.za
- **Safety and Security – We need your help and assistance**
 - Neighbourhood Watches
 - Community Policing Forums
 - Volunteers to link up with existing structures in their area
 - Assist locally in their areas delivery of water
 - Assist frail and physically challenged who are not in formal institutions
- **Save Water Now to Avoid Day Zero – Prevention is better than cure**

SAVE OR QUEUE

SAVE WATER DAILY

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- Stretch out available water and avoid day zero – keep water in taps not in queue

QUEUE

- Water Points of Distribution – queue for water – Winter?
- Rationing to 25 litres per person per day
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- Huge disruptions to private and business life and activities

VULNERABLE GROUPS

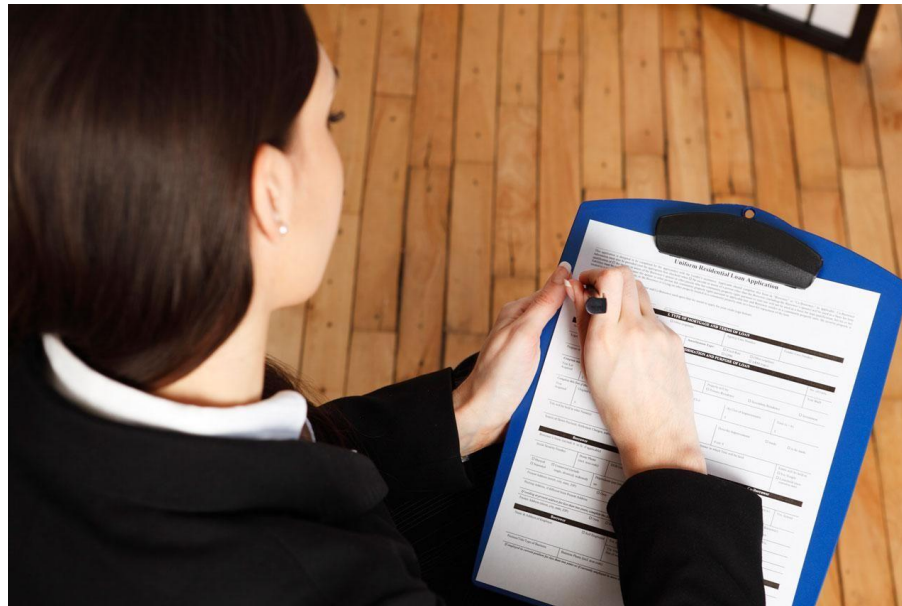
- Vulnerable Groups
- People living in your neighbourhoods that are unable to collect their own water
 - Elderly and sick
 - Disabled persons
 - Child care facilities



SUPPORT FOR VULNERABLE GROUPS WITHIN COMMUNITIES

This is a call to action and is area specific

- Identify vulnerable groups or persons in community
- Deliver water to vulnerable individuals/groups as identified (area specific)
- Assist with registration of vulnerable individuals/groups
- Support organisation that need assistance with vulnerable groups



SUPPORT AT POINTS OF DISTRIBUTION (PODS)

Support POD Manager with a broad range of duties:-

- Assist with:
 - Dispensing water into containers
 - Cleaning/disinfecting water dispenser pipes
 - Vulnerable groups at PODs
 - Ushering duties
- Assist City Officials with logistic arrangements on site
- Monitor crowd behaviour in queues
- Support with light regulations
- Report incidents and faults to POD Manager

APPLICATION FORM

- Send a request for an application form to dayzero.neighbourhoodwatch@capetown.gov.za
- SECTION 1: NEIGHBOURHOOD WATCH INFORMATION
 - Name of Neighbourhood Watch
 - Name and surname of Chairperson
 - Physical address of Chairperson
- SECTION 2: CONTACT INFORMATION
 - Name and Surname, etc.
- SECTION 3: VOLUNTEERING SERVICES
 - Water collection points / Points of Distribution (PODs)
 - Distributing water to vulnerable group
 - Your availability to volunteer

APPLICATION TO REGISTER: WATER CRISIS - NEIGHBOURHOOD WATCH ORGANISATIONS

Volunteers play a vital role in the communities and at Points of Distribution (PODs). The information you provide will be stored and protected in accordance with the Protection of Personal Information Act, Act 4 of 2013 to which only authorised staff will have access.

SECTION 1: NEIGHBOURHOOD WATCH INFORMATION

Name of Neighbourhood Watch

Name and surname of Chairperson

Physical address of Chairperson

SECTION 2: CONTACT INFORMATION

Name and surname

Title Identity number

Date of birth Gender Male Female

Residential address

Suburb Postal code

Contact number (Landline) Cell number

E-mail address

Next of kin detail

Name and surname Contact number

Relationship Cell number

SECTION 3: VOLUNTEERING SERVICES

Please indicate which of the voluntary work you would be interested in:

- Water collection points / Points of Distribution (PODs)
- Distributing water to vulnerable groups

How many hours would you be able to volunteer?

How often can you volunteer? Daily Weekly Monthly Whenever needed

Do you prefer to work on a Weekday or on a Weekend?

If on a weekday, which shift do you prefer? Morning Afternoon Evening

If on a weekend, which day do you prefer? Saturday Sunday

Do you have any questions or comments?

Signature

Date

FOR OFFICE USE

Volunteer reference number

Date captured

Thank you for your interest in volunteering with the City of Cape Town.



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Thank You

Making progress possible. Together.