

# Green Drop & Blue Drop Certification Programmes



Water Summit  
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Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA

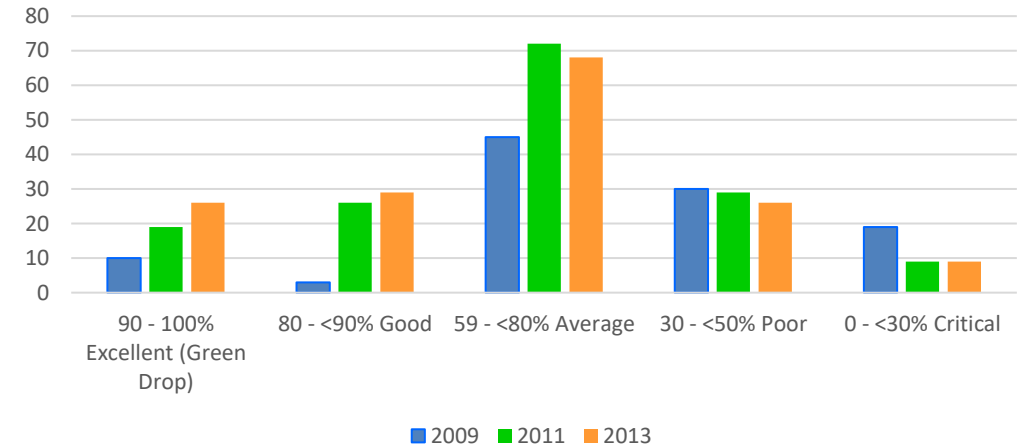
# Incentive-based Regulation

The Blue Drop and Green Drop Certification Programmes are forms of Incentive-based Regulation (IBR) pioneered by the South African Water Sector since 2008.

It is not a weaker form, but an alternative form of Regulation with evident improvement in performance:

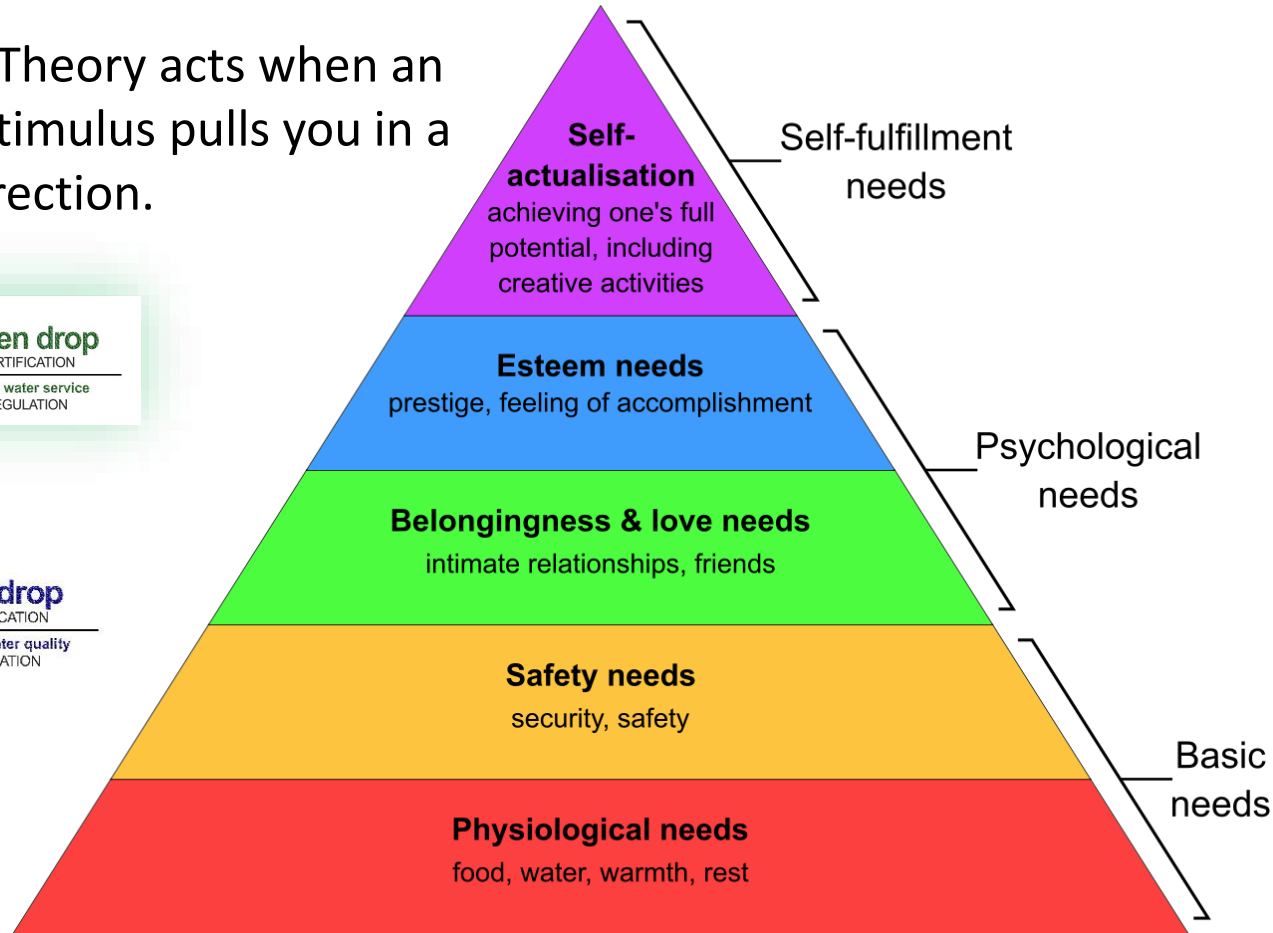
- Based upon the **legal requirement** of the primary legislation, *Water Services Act; Act 108 of 1997, Section 82 d, e & f*.
- Seeks to focus on **Improvement** in Performance, Compliance and Efficiency.
- Sets **high standards** (incl. International Best Practice, National Standards and Innovation).
- Provide official recognition to **Excellence**.

Municipal Wastewater Services Performance (Green Drop Certification): Western Cape



# Incentive-based Regulation (2)

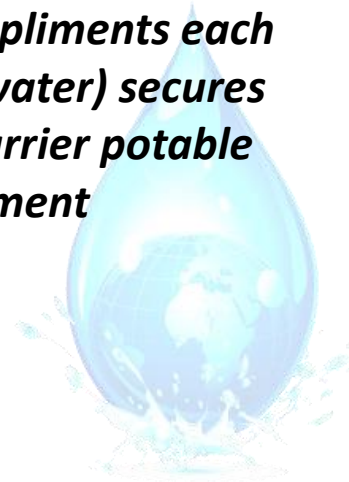
- Incentive Theory acts when an external stimulus pulls you in a certain direction.



These programmes synergise the minimum requirements, world class standards and best practice as a new Green Drop or Blue Drop standard in order to raise the bar for the management of wastewater and drinking water quality in our country.

90% Performance = Green Drop Status  
95% Performance = Blue Drop Status

***\*These 2 programmes compliments each other; Green Drop (Wastewater) secures the 1<sup>st</sup> barrier of a multi-barrier potable water quality risk management framework (Blue Drop)***



# 5 Steps to Green Drop Certification

## 1.) Capacity Management

*Process Control, Maintenance, Technical/Engineering, Scientific*

## 2.) Environmental Management

*\***Wastewater Risk Abatement**, Effluent Quality Monitoring, Sludge Management, Laboratory Credibility*

## 3.) Financial Management

*Wastewater Operations Cost Determination, Energy Demand, O&M Budget and Expenditure, SCM of Suppliers and Service Providers*

## 4.) Technical Management

*WWTW Design Capacity, Process Audit/Condition Assessment, Sewer Main Inspection, Asset Register, Local Regulation*

## 5.) Quality Compliance

*Monitoring Information, Authorisation, Effluent Quality Compliance, Sludge Classification*

# 5 Steps to Blue Drop Certification

## 1.) Capacity Management

*Process Control, Maintenance, Technical/Engineering, Scientific*

## 2.) DWQ Risk Management

*\***Water Safety Planning**, Drinking Water Quality Monitoring, Laboratory Credibility*

## 3.) Financial Management

*DWQ Operations Cost Determination, O&M Budget and Expenditure, SCM of Suppliers and Service Providers*

## 4.) Technical Management

*WTW Design Capacity, Process Audit/Condition Assessment, Water Reticulation Inspection, Asset Management*

## 5.) Quality Compliance

*Adequacy of DWQ Monitoring; Compliance to SANS 241 standards*



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**blue drop**  
CERTIFICATION

drinking water quality  
REGULATION

# Cumulative Risk Rating (CRR):

*A means towards scientifically measuring progress*

*e.g. Green Drop Cumulative Risk Rating*

1. WWTW Operating Capacity vs Design Capacity
2. Effluent Quality Compliance
3. Skills Capacity

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*For every alternate year the Department is measuring the CRR for each wastewater and drinking water system to provide for a continuous uniform determination of progress in mitigating risks. This provides for a yardstick to both regulator and water services institution on drinking water quality and wastewater quality management performance.*



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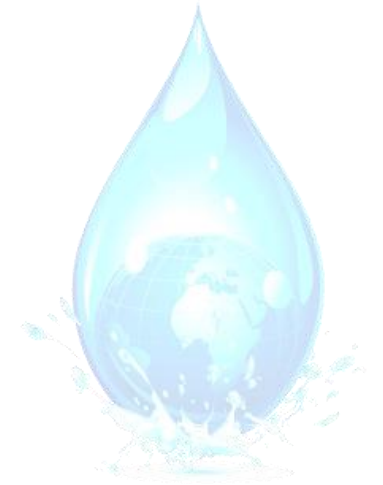
# The Way Forward

## *Green Drop Report (Full Audit)*

- The 2022 Green Drop report will be released in March '22.
- Will provide an audit report for all 995 wastewater systems assessed.
- Will have a strong focus on guiding towards restoring functionality of wastewater treatment facilities, through the introduction of the VROOM ( very rough order of measurement) of enabling infrastructure.

## *Blue Drop Progress Report*

- The 2022 Blue Drop Progress Report will also be released in March '22
- The assessments were based on the CRR calculations.
- This progress assessment will cover 1248 water supply systems.





# Thanks!



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