

**MINISTRY:**

**HUMAN SETTLEMENTS, WATER AND SANITATION**

**REPUBLIC OF SOUTH AFRICA**

**NATIONAL ASSEMBLY**

**QUESTION FOR WRITTEN REPLY**

**QUESTION NO.: 60**

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**Mr M Tshwaku (EFF) to ask the Minister of Human Settlements, Water and Sanitation:**

What percentage of water that was consumed in the Republic was recycled in each province in 2018? **NW1017E**

**REPLY:**

Water recycling is done by the Water Boards as Water Service Providers that are also operating Water Schemes on behalf of municipalities. The information provided to me by Water Boards in response to the Honourable Member is as follows:

| **Entities** | **What percentage of water that was consumed in the Republic was recycled in each province in 2018?** |
| --- | --- |
| Amatola Water | Amatola Water does not recycle waste water as it is operating upstream of the water value chain in the bulk purification, distribution and storage space. Amatola Water’s processing methods at plant level involve an insignificant amount of water recycling which is approximately 1% of the raw water abstracted from source. |
| Bloem Water | Bloem Water Treatment works does not recycle consumed water at any of its plants; however during the purification stage water is backwashed and sent back to the catchment (Dams). This process is then metered and reported under unaccounted for water (apparent losses) which is one portion of the Non-Revenue Water for the Entity the other being water consumed by the Entity at Plants and the Head Office which is and average of 1.2%. |
| Lepelle Northern Water | Refer to **Annexure A** below for recycled water amounts by Lepelle Northern Water |
| Magalies Water | Magalies Water presents the quantities that constitutes 4,21% recycled water as a percentage of raw water abstracted for the period July 2018 up to 31 March 2019, for the 2018/19 financial year. |
| Mhlathuze Water | No recycled water activities. |
| Overberg Water | No recycled water activities.  Overberg Water only provides bulk drinking water to its customers mainly, the Hessequa and Theewaterskloof Municipalities and industrial agriculture. |
| Rand Water | Rand Water does not recycle water. However, our customers Tswane and Rustenburg do recycle water in their plants as follows:  Tswane:  Roodeplat pumping 30M;l/d (maximum capacity 60Mll/d)  Rietvliet pumping 36Ml/d (maximum capacity 40Ml/d)  Rustenburg:  Bospoort pumping 12M/d (maximum capacity 15Ml/d) |
| Sedibeng Water | 15% of water consumed was recycled water in the North West. |
| Umgeni Water | **The treated waste water effluent re-use is about 8% and the direct recycling is 2%**   * (At present all of Umgeni Water managed Waste Water plants discharge treated waste water to rivers that flow into downstream dams. In this way all of the treated waste water effluent is re-used / recovered in a downstream system (approximately 100Ml/d). This can be classed as indirect reuse. * Umgeni Water does not treat any wastewater to potable standards and hence do not have any direct reuse systems. * Umgeni Water has a 100% shareholding in Umgeni Water services (UWS) SOC Ltd. This subsidiary holds an 18.5% investment in Durban Water Recycling, with direct recycling volumes amounting to 30 Ml/d out of 1257 Ml/d (2%). |

**Annexure A**

**Lepelle Northern Water**

