



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Enquiries: L Manus
Telephone: 012 336 6583
Reference: 6/2/2/6

NATIONAL COUNCIL OF PROVINCES

FOR WRITTEN REPLY

QUESTION NO 145

DATE OF PUBLICATION IN INTERNAL QUESTION PAPER: 10 MARCH 2023
(INTERNAL QUESTION PAPER NO. 5)

145. Mr C F B Smit (Limpopo: DA) to ask the Minister of Water and Sanitation:

What considerations have been given to implement hydro power and new turbine technologies in bulk water pipelines as well as in sewer pipelines?

CW146E

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MINISTER OF WATER AND SANITATION

The Department of Water and Sanitation (DWS) is aware of the global shift towards renewable energy technologies and the ongoing South African energy crisis has created an environment where renewable energy projects, including hydropower projects - such as those which are retrofitted to existing dams - are both environmentally and financially attractive. These renewable technologies include onshore wind, solar photovoltaic (PV), concentrated solar power, biogas, biomass, landfill gas, and hydropower.

In response to this global shift and to support the country's Just Energy Transition Investment Plan, the DWS recently approved a policy for the utilisation of the water and sanitation infrastructure and water resources for renewable energy generation. In order to provide a policy position on the establishment and development of renewable energy on DWS-owned infrastructure; including dams, barrages, weirs, irrigation systems (canals and conduits) as well as run-off river schemes; are part of the long-term interventions by the DWS to contribute towards sustainable power supply in South Africa.

The Department will in due course:


- Advertise the Request For Applications (RFA) aimed at soliciting applications for the approval of water use licences and grant access, under stipulated conditions, to the Department's infrastructure.
- Invite Expressions of Interest from bidders/ companies/developers to generate information that will assist the department to assess aspects of potential renewable energy projects with the aim of undertaking the construction/installation of a grid-connected/stand-alone, floating or ground-mounted solar, or conduit hydropower or wind power plant on selected departmental dams/government waterworks on the Design, Built, Finance and Operate (DBFO) model for a 20 year operational period.

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DRAFT REPLY: RECOMMENDED/ ~~NOT RECOMMENDED~~/ ~~AMENDED~~


DR SEAN PHILLIPS
DIRECTOR GENERAL
DATE: 17/01/23

DRAFT REPLY: APPROVED/ ~~NOT APPROVED~~/ ~~AMENDED~~


MR SENZO MCHUNU, MP
MINISTER OF WATER AND SANITATION
DATE: 28/3/23