

NATIONAL ASSEMBLY

QUESTION 1016

QUESTION FOR WRITTEN REPLY

1016. Mr P van Dalen (DA) to ask the Minister of Energy (Transferred from DPE):

- (1)(a) How many contractors are fitting solar heater panels in each province and (b) what (i) is the make and model of the different panels that are fitted, (ii) are the prices of each of the panels and (iii) is the Q factor of each panel;
- (2) Whether these panels are approved by the SA Bureau of Standards (SABS); if not, why not; if so, what are the relevant details;
- (3) How much power does each of these models save (a) as a percentage of the monthly household account and (b) in kilowatt-hour per month;
- (4)(a) What amount has been spent on this programme to date and (b) what is the estimated cost to complete the roll-out of this plan;
- (5) Whether this programme will save the country money; if not, why not; if so, what are the relevant details?NW1162E

Reply

(1)(a)

Participant	Number registered with programme	registered with Eskom
Systems	103	
Supplier (registered system and selling)	82	a
Distributor (selling systems)	115	
Independent Installer (part of new plumber process of the Plumbing Industry Registration Board)	24	

The Eskom website database is a real time list where interested parties can view all the registered systems, costs and qualifying rebates. It can be accessed at www.eskom.co.za/dsm

The SABS does not test the panel separately from the tank and therefore we are unable to quantify the savings on individual panels, but only on fully tested systems.

- (2). All systems registered on the programme have full relevant SABS test reports on the solar water systems. Suppliers are required to move to the SABS Mark Approval within 12months of obtaining a full test reports. We have reduced this period from the original 18months to 12months so as to fast track system quality assurance as qualified by the SABS.

- (3). The amount of savings achieved on a person's electricity account is dependent on their consumption of hot water. The more you use, the higher the potential to save. The below table shows average savings that are achieved with the various sizes of solar water heating systems.

Size of solar water heater	Savings – kWh per day
100 litre	3.6kWh
200 litre	5.8.kWh
300 litre	6.9kWh

From the notch testing completed by Eskom it is shown that in homes with electrical geysers the geyser contributes 0.625 kW to the evening peak and 1.1 kW to the morning peak. This is the amount of energy that installers will be able to claim against after measurement and verification is complete.

4. (a) R12 683 269 (Eskom) and R74 million allocated by government.
- (b) Total estimated programme cost is approximately R10 billion. However, this is expected to reduce due to lower capital costs related to economies of scale.
- (5). Yes, an equivalent of a 3600 MW power station will be saved.