

## Residential sector: Solar Water heaters

### Description

This lever adjusts when 100% penetration of solar water heaters is reached in the residential sector.

*NOTE: This lever overrides the water heating lever which is part of the 'cooking, refrigeration and water heating' lever. This allows for one to study the effects of just SWH's on the residential sector.*

### Level 1

This level makes no change to solar water heating penetration in the residential sector. Solar water heaters make up approximately 9% of all geysers in South Africa <sup>1,2</sup>.

### Level 2

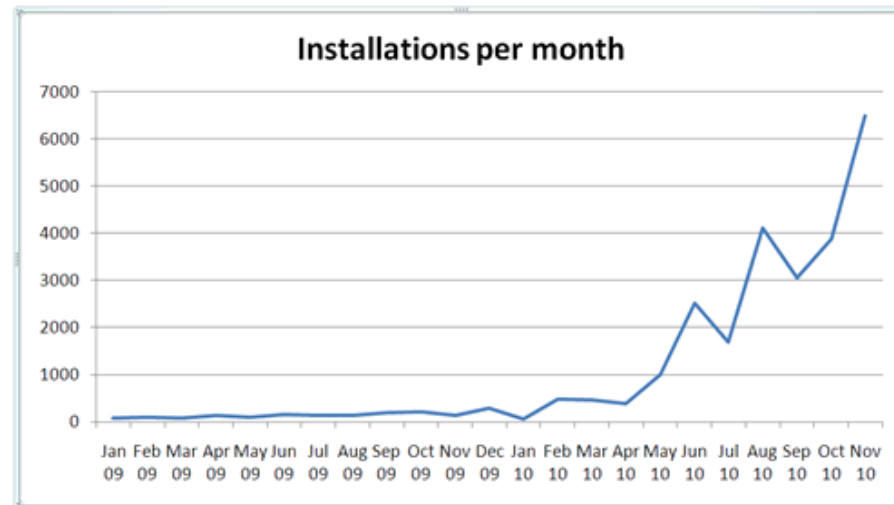
All geysers are replaced with SWH's by 2050.

### Level 3

All geysers are replaced with SWH's by 2040.

### Level 4

All geysers are replaced with SWH's by 2030.



Installations per month of solar water heaters in South Africa, showing the growing trend in SWH adoption. This is a result of increased electricity prices and the national rebate programme.  
Source: DoE, [www.energy.gov.za](http://www.energy.gov.za)

1. National SWH programme overview & RFRI process, presentation, DoE 2013.

2. K. Kritzinger, Exploring the possibility of the insurance industry as a solar water heater driver in South Africa, CRES 2011