

## SWH Targets and Funding – South Africa:

As part of the Solar Revolution Campaign, we will be tracking targets and implementation of SWH projects.

### National Targets Summary:

There is a national target of ensuring that by 2013, 10 000 gigawatt-hours of final energy consumption is supplied by renewable energy.

National Target of 1 million by 2014 – the Department of Energy National Solar Water Heating Programme (launched April 2010):

(And another 4 million by 2020).

National	2010	2011	2012	2013	2014	Total	By End of 2014
Target	50522	111356	215984	311099	402530	1091491	1000000
Actual						30974	

Actual Installations:

3 126 solar water heaters were installed under the Eskom rebate, from January 2009 to April 2010, whilst a cumulative total of 30 974 have been achieved since the rebate programme kicked-off in November 2008.

### Municipal areas which have active roll out programmes:

- Nelson Mandela Bay (NMDM) - by 20 January 2011 this municipality had installed 13 006 geysers
- Tshwane
- Kuyasa
- City of Cape Town
- City of Johannesburg (Cosmo City)
- Saldanha
- Mossel Bay
- Theewaterskloof
- Ethekwini
- Ekurhuleni

### Known city action plans and targets:

Several South African Cities currently have Energy and Climate Change Strategies built into their policy framework. Below are the known targets and strategies or action plans for SWH implementation.

#### **City Target (by 2015 unless otherwise stated):**

Joburg	150 000 (have installed 700 units by January 2011)
Cape Town	300 000
eThekweni	50% by 2020 (30 000 Middle to Upper Market Segment by 2012 and 30 000 Lower Income Market Segment by 2011)
Nelson Mandela Bay	60 000
Ekurhuleni	7 000 by 2011, R500 million for three year roll-out (start in 1 <sup>st</sup> Q of 2011) to low cost households.
Tshwane	60 000

### Commercial entities also implementing solar water heating systems:

- BMW had implemented the initiative on geysers that used 6 500 litres per day
- South African Bureau of Standards (SABS) Roslyn change rooms
- Western Cape Environmental Affairs
- the Japanese Embassy (which has installed 410 solar panels)
- Hotel Da Vinci in Sandton