PROPHET OF DOOM
Global Temperature by Decade

1881 – 2010

Global Temperature (°C)

Data: World Meteorological Organization, “The Global Climate 2001 - 2010, A Decade of Climate Extremes Summary Report,” Fig. 1, 2013
“Africa as a whole is one of the most vulnerable continents to climate change due to its high exposure and low adaptive capacity.”

“African ecosystems are already being affected by climate change. Future impacts on natural resources, ecosystems, and economic sectors are expected to be substantial.”

Intergovernmental Panel on Climate Change
Fifth Assessment Report, 2014
South Africa (2015)

7 million people living with HIV

19.2% adult HIV prevalence

380,000 new HIV infections

180,000 AIDS-related deaths

48% adults on antiretroviral treatment

CHANGE, FEAR AND GRIEF

Be a Hero for a Better World

“Our goal is to fundamentally change the way the world uses energy... we want to change the entire energy infrastructure of the world to zero carbon.”
~ Elon Musk


7 Stages of Grief
(Modified Kubler-Ross Model)

Shock* • Initial paralysis at hearing the bad news.
Denial • Trying to avoid the inevitable.
Anger • Frustrated outpouring of bottled-up emotion.
Bargaining • Seeking in vain for a way out.
Depression • Final realization of the inevitable.
Testing* • Seeking realistic solutions.
Acceptance • Finally finding the way forward.

*This model is extended slightly from the original Kubler-Ross model, which does not explicitly include the Shock and Testing stages. These stages however are often useful to understand and to facilitate change.
Insanity: doing the same thing over and over again and expecting different results.

Albert Einstein
Social and Generational Justice
African Climate Reality Project Concerns About IRP and IEP:

PROCESS COMMENTS AND CONCERNS:

1. The consultation process has not felt as if there is an even playing field between Department of Energy, the public and other interested parties.

2. ACRP would like the IEP be finalised first; and the IRP should be suspended until IEP process is complete.

3. The IEP process should adopt the lowest cost scenario; without unjustified constraints on any technology.

4. ACRP wants the public be allowed to comment again on any policy adjustment to the IRP made following the current consultation.

5. ACRP wants DoE to receive comments in writing and for all interested parties to have access to these comments.

6. ACRP wants all nuclear plans suspended as long as the updated IRP is not finalised.
African Climate Reality Project Concerns About IRP and IEP:

CONTENT CONCERNS AND COMMENTS:

1. ACRP completely rejects the need for any additional nuclear energy to be factored into South Africa’s energy mix.

2. There are questionable constraints applied to Renewable Energy and the justification of nuclear costs.

3. Why has the CSIR Re-optimised case not been used?

4. Each IEP scenario should present a socio-economic impact on jobs (losses and gains).

5. Each IEP scenario should determine the true impact on all water resources in Southern Africa.
African Climate Reality Project Concerns About IRP and IEP cont.

CONTENT QUERIES CONT.

6. Each IEP scenario should determine the environmental impact on all natural capital in Southern Africa, including oceans.
7. Low-carbon transport constraints must be factored into the transport sector demand model.
8. ACRP has concerns regarding the absence of planning for the grid and a true reflection of grid flexibility.
9. ACRP believes that carbon emissions and climate change have not fully been accounted for.