

Interview with Karl Rose, Senior Fellow, WEC Scenarios



Mr. Karl Rose, Senior Fellow, WEC Scenarios (Formerly Chief Strategist, Shell International BV)

In your new role at WEC London, as Senior Fellow, Scenarios, what do you propose to do in the short and long term?

In the months leading up to the Congress in Montreal, we will prepare a WEC White Paper that will supplement and update the existing Energy Policy Scenarios to 2050 with information on significant developments that have occurred since the EPS 2050 were issued. Examples would be Copenhagen, the impact of the financial crisis on energy sector investments, or the importance of unconventional gas for the US market. We also plan to do a look back on scenario messages over time, and compare and contrast various scenarios which WEC and other notable organisations like IEA, EIA, Shell, CERA, and others, have produced. Additional input will come from the inclusion of key messages from the ongoing Energy Policy Assessment and Vulnerabilities studies.

At Montreal we will then present our ideas for the next round of scenarios until 2012, which will be a significant flagship project, aimed at raising WEC visibility and impact. We intend to make full use of the excellent network of WEC Member Committees to include regional information and expertise and make the new scenarios relevant to many different stake holders. I am very excited about being able to include

such a fantastic variety of local experiences and views, as this will make the WEC scenarios unique.

Where does WEC stand with regard to scenarios planning?

WEC has a long heritage of excellent energy foresight studies. The 1993 study '*Energy for Tomorrow's World*', for example, was visionary in the way it looked at global outcomes and regional perceptions and reactions. Energy foresight often tends to focus on expert opinions and future global pictures, with little or no visible regional input from affected stake holders. WEC's approach is different - it makes use of feedback from its members in more than 90 countries around the world, which is then distilled into important messages that guide the development of scenario storylines. This bottom-up, multi-stake holder approach has been used for the most recent EPS 2050 work and ensures that critical uncertainties are well represented. WEC's diverse network of motivated and knowledgeable members ensures that our scenarios are unbiased, holistic, well balanced, and most importantly, relevant for decision makers and stake holders. In a world of increasing complexity and uncertainty, this can form a great strength for WEC going forward.

How can the world best use scenarios to face the problems of the future?

Scenarios are a tool for helping decision makers plan for the future – or rather for different possible futures – in cases of great uncertainty and ambiguity of outcomes. The qualitative and descriptive nature of scenarios allows one to explore the most important critical uncertainties and forces which may push the future along different paths. It also helps us to understand the dynamics between the driving forces of the energy landscape. The normative and quantitative element of scenarios, on the other hand, is a great way to investigate the feasibility of potential strategic options, and benchmark visions and aspirations.

WEC Looking Ahead

Chairs and Ministers Roundtables at World Energy Congress in Montreal

At WEC's Reykjavik Executive Assembly in September, 2009, we hosted the first-ever Chairs Roundtable, which was an off-the-record discussion held under Chatham House rules and focusing on three main topics: the outcomes of the Chairs Issues Survey, WEC's Energy and Climate Policy Assessment and expectations for COP-15. The general consensus was that this was a productive and successful session, so we plan to hold a similar Chairs Roundtable this year in Montreal. This session will take place beginning at 07.30hrs on Tuesday, September 14. An invitation letter containing the details will be sent to all MC Chairs shortly, and we encourage all WEC Chairs to participate. In addition, we will invite energy ministers from WEC member countries to a separate, private, off-the-record session, also on September 14, to discuss key energy issues. Further details and invitation letters will be distributed in the near future.

Congress Update

MORE SPEAKERS ADDED!

A further 25 speakers have recently confirmed their intention to join the discussions in Montreal. This means that 80 high level speakers have now confirmed and more than 150 have been invited to speak at the event. New speakers include:

- **Peter Corsell**, Chief Executive Officer, Gridpoint, USA
- **Pierre Duhaime**, President and Chief Executive Officer, SNC-Lavalin, Canada
- **Hardiv Harris Situmeang**, Chair, WEC Indonesian National MC
- **Yuji Kawaguchi**, Managing Director, Honda R&D, Japan
- **Christopher J. Kearney**, Chairman, President and CEO, SPX, USA
- **Sun Qin**, President, China National Nuclear Corporation, China
- **Martha Wyrsh**, President, Vestas Americas, USA

For a full list of speakers, please visit the Congress website:
<http://www.wecmontreal2010.ca/en/program/speakers.html>

WEC Agenda

We invite our members to attend the following events:

March 18; London, UK

-British Member Committee (British Energy Association – BEA) Workshop

-'The Changing Politics of Energy and Climate Policy'

-Contact: ukwec@energyinst.org

April 19-20; Buenos Aires, Argentina

-WEC Committee on the Performance of Generating Powerplant (PGP) Meeting & Workshop, followed by technical site visit

-Hosted by the WEC Argentine Member Committee

-Contact: cacme@cacme.org.ar

April 20; Ankara, Turkey

-WEC Turkish Member Committee Conferences

-'Electricity Production from Elbistan Lignite's' (AM)

-'Prediction of Short Term Wind Power Output' (PM)

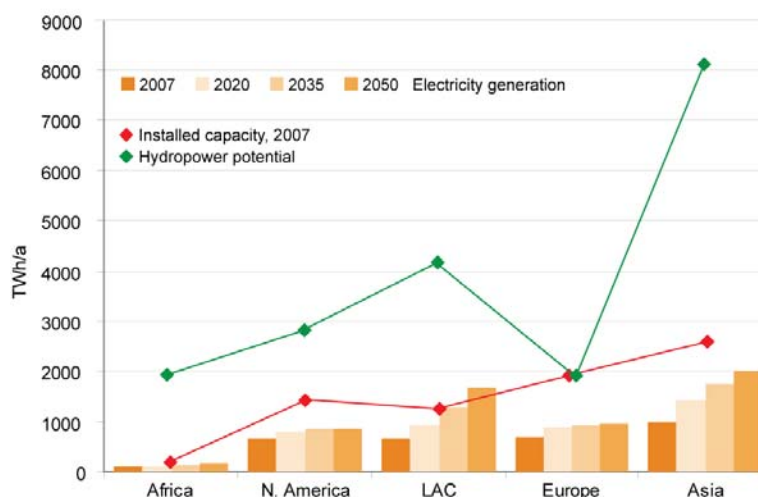
-Contact: wectnc@tr.net

For further events and more details, please check the Events page on the WEC website...

Inside Insight

Electricity Generation

Electricity generation from hydropower will increase over the next 40 years, as modelled in the 2007 WEC report "Energy Policy Scenarios to 2050". With the exception of Latin America (LAC) the current installed capacity appears sufficient to meet projections, for the region as a whole. However, the technically feasible hydropower potential for the region indicates that the overall role of hydropower can be expanded. WEC's Water for Energy Study, which will be published in September 2010 for the Montreal Congress, will examine what may be economically feasible, in order to meet future energy demand.



Sources: WEC Survey of Energy Resources, Interim Update 2009;
WEC Energy Policy Scenarios to 2050, 2007, model updated 2009, IHA, to be published, 2010

'Protection Against Blackouts and Self-Restoration of Power Systems', by Jekabs Barkans and Diana Zelastiba, is a book that has been produced and published by the Latvian Member Committee to mark the occasion of their 85th anniversary. The book shows that the main cause of blackouts is grid overload, which the authors claim can effectively be eliminated by short-term sectioning of a power system, i.e. by building a centralised anti-emergency superstructure. Subsequently, a blackout can be liquidated within circa 100 seconds, unnoticed by the majority of consumers. To read more or to download the PDF of the publication, please visit the following link:
<http://85.254.195.140/images/stories/arhivs/abs/book-barkans-zalostiba.pdf>

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