

World Energy Council Assessment & Vulnerabilities Study eBulletin (18/06/2009)

Issue: 06 – June 2009

Welcome to the latest issue of a regular monthly eBulletin providing an update on what is happening on the **WEC Assessment & Vulnerabilities (A&V) Study**.

The Assessment and Vulnerabilities Studies are linked in a single overall WEC Study. The Assessment part measures progress toward achieving the 3 A's, while the Vulnerabilities are hurdles to their achievement. The overall Study is thus composed of five Groups:

- Assessment of Energy Policy and Practices
- Vulnerabilities to achieving the 3 A's in Human Resource Availability
- Vulnerabilities to achieving the 3 A's in Manufacturing Bottlenecks
- Vulnerabilities to achieving the 3 A's in Water for Energy
- Vulnerabilities to achieving the 3 A's in Logistics (Infrastructure)

This monthly eBulletin provides an update on recent and forthcoming activities and events within each of the five Groups.

Please direct any questions or comments relating to the Assessment & Vulnerabilities Study eBulletin to: assessmentstudy@worldenergy.org



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Assessment of Energy Policy and Practices

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In the latest edition of WEC Inside, the Secretary General, Christoph Frei, applauded the Indian Member Committee for its initiative in hosting a recent workshop on the Assessment (see further information on the Workshop below). He said:

“The Assessment study is WEC's key profiling opportunity for COP-15 later this year: WEC can profile itself as the organisation which is uniquely positioned to take the broad policy recommendations from COP-15 and help translate them into effective and meaningful national and regional policies.

With the support from the studies committee, the Assessment will become an annual process which will measure progress on national energy policies. This places WEC at the heart of the needed dialogue between governments, private sector and experts on policy best practices and innovative policies.

The first round of such an assessment is difficult and it is impossible to get the methodology right at once. Feedback on weaknesses and strengths is very important as we need to improve the methodology with future iterations. Given such imperfections of a first attempt, we will likely highlight best practices and avoid publication of a full ranking.

Given the importance of this process, I encourage all Member Committees to participate, whether by providing feedback, responding to the Assessment questionnaire, hosting a workshop to discuss the Assessment or promoting the eventual results to key stakeholders. We will ensure that participating members will derive important benefits from the Assessment process - if not immediately then from the learning from future iterations”.

Summary of the Responses from MCs for Questionnaire II

As mentioned in last month's eBulletin, a full set of questionnaires designed to obtain feedback from members was circulated in late February and early March, with responses requested by April 7. We received 32 complete responses. I would reiterate that we are grateful for the special efforts members have taken to complete and return their views on energy policies and practices in their countries. This provides for a robust analysis of practices and accelerates the process of achieving the goals of the WEC 3 As by giving insights into what makes for effective policies. We are continuing to analyse the computed index and the results of the questionnaire to allow us to reinforce our understanding of what makes for “effective energy policy”.

Report Drafting

We are now working on drafting the report. In terms of the draft contents we would expect to include chapters as follows:

Chapter / Section
1. Foreword (by WEC Chair)
2. Executive Summary
3. Introduction
4. Summary of findings
PART I: BEST PRACTICE & COUNTRY ASSESSMENT
5. Energy Equity
6. Energy Security
7. Energy and Environment
8. Overall Energy Policy
9. Summary: Energy Policy and Practices Summary
PART II: COUNTRY PROFILES AND DATA TABLES
10. Country Profiles
11. Data Tables
12. Methodology
13. Future work/next steps
14. Acknowledgments

With regards to the key chapters on Energy Equity, Energy Security, and Energy and Environment, I am pleased to report that we have identified lead authors for each of these chapters, namely: Abubakar Malah Umar, Ken Koyama, and Francois Dassa respectively.

An early draft of the report will be circulated to the Assessment Study Group and all Member Committees on 26 June for review. The Study Group will then meet in Paris next month, on 7 July. (kindly hosted by the French Member Committee) This will be an opportunity for the Study Group to share their thoughts on the draft report. Member Committees will have four weeks for their review – 26 June to 24 July. To enable us to prepare a high quality report we absolutely need Study Group and Member Committees' engagement and feedback so do look out for the draft report from 26 June.

Workshop in India

The WEC India Member Committee organised a Workshop on 22nd May, 2009 in Delhi to deliberate upon the issues concerning the Assessment Study. Hajime Murata, Study Group Chair, and Filippo Gaddo from the service provider, Ernst & Young, presented at the Workshop. During the Workshop Dr. Kirit Parikh, Member, Energy, Planning Commission and R V Shahi made a number of observations on the methodology, the factors that have been chosen and the weightages to be assigned that would make a difference in computation of the Energy Policies and Practices Index.

Feedback from Mr Shahi following the workshop was that the initiative of the World Energy Council aimed at formulating Assessment of Energy Policies and Practices (AEPP) Index is indeed laudable. The Study Team, in its draft approach paper has already captured a large number of issues which are all relevant. Some of the suggestions made in this paper need to be kept in view, particularly the exercise of identifying Policy issues in the context of the prevailing energy situations in different countries will require a very careful approach. Equally important, but challenging, would be the exercise of assigning relative weightages to different parameters. Acceptability, across the world, of the AEPP Index will largely depend on how skillfully the relevant factors have been identified and, more importantly, allotted appropriate weightages.

J K Mehta also thanked participants for their active contribution commenting that they were able to get some very valuable insights into the subject through the rich interactive discussions they had during the workshop. A report on the workshop was circulated highlighting the various issues

raised by the audience.

Four Vulnerabilities Study Groups:

Vulnerabilities to achieving the 3 A's in Human Resource Availability

Study Group Chair: Prof A S Sambo (Nigeria)

During the WEC meeting on 23rd March 2009, the HRA sub-group met and based on the Terms of Reference drew up the following "Action Plan":

- all sub-group members to answer the questions posed in the terms of reference in respect of their own country from their existing knowledge base;
- to use the Lion assumption from Energy Policy Scenarios to 2050 as the starting point and speculate on needs for the next 10 years based on trends we know and can anticipate;
- each sub-group member could analyse the Lion scenario and interpret it according to their own experience and knowledge
- each member would also supply any existing labour market information that might exist in their country for the energy industry or consider use of a survey similar to the one produced by Nigeria if such information was not available;
- the sub-group could also examine the annual reports and CSR reporting of major international energy companies for information regarding the training and deployment of personnel.

Again, members suggested the following strategies:

- by technical areas and/or by different energy sectors such as oil and gas, nuclear, renewables etc;
- geographically – by country and/or by region;
- by mix of workforce requirements eg new entrants, experienced workers etc;
- by different level of workforce required – eg professional engineers, technicians etc;
- by comparing existing international and domestic workforce balances compared to future likely balances;
- by global social impacts – e.g. the different workforce requirements likely to be found between centralised and decentralised energy systems;
- throughout the energy lifecycle – i.e. design, construction, operation and maintenance and

decommissioning and waste management.

Meanwhile, we have received response from UK and are waiting the responses of other members. After the collation, we will prepare the sub-group report, which will be integrated into the Final Report of other vulnerabilities.

Vulnerabilities to achieving the 3 A's in Manufacturing Bottlenecks

Study Group Chair: Tom Griffiths (US)

No update this month.

Vulnerabilities to achieving the 3 A's in Water for Energy

Study Group Chair: Dr. Jose Luis Fernandez Zayas (Mexico)

Documents relevant to the water and energy sustainability are very numerous and in many cases, quite exhaustive. It has been decided that sustainable development measures for water energy and food security must sequence and package technological measures with supportive policies and institutions, for true gains in water and energy use efficiency to boost overall resource productivity while minimising the negative impacts on the environment. WEC will contribute specifically to the water for energy issue, although a very valuable synthesis of documents relevant to the larger and more complex water subject is being constructed. Since local water for energy strategies and solutions are likely to vary appreciably from one country to another, a basic set of issues that seem desirable to cover has been identified, and regional representatives in this study group are being invited to offer their views on them. The type of information that is being processed is available in the specialised literature, but the outlook of actions toward the future is being stated by individual regional experts.

During the first part of the present year, a meaningful analysis and the resulting exchange of views have produced a fresh view of the energy vulnerability to water issues in medium term (2020) and long term (2050) horizons. Focus on 2020 engages current worries with financial and environmental crisis than farther dates. A first document draft is expected before the Iceland meeting coming September and a properly discussed version is aimed at December 2009. The water for energy vulnerability analysis and resulting document will hopefully stimulate international debate about these issues for years to come.

Vulnerabilities to achieving the 3 A's in Logistics Capability (Infrastructure).

Study Group Chair: R V Shahi (India)

No update this month.

Useful Links

Hold down the ctrl key and click the links below to access the documents

[Consultation Paper](#)
[Vulnerabilities Concept Note](#)

[Water for Energy ToR](#)
[Manufacturing Bottlenecks ToR](#)
[Human Resource Availability ToR_](#)
[Logistics Capabilities ToR](#)
[Assessment of Energy Policy and Practices ToR](#)