WORLD ENERGY COUNCIL
CONSEIL MONDIAL DE L'ÉNERGIE

World Energy Council

November 2007

Elena Nekhaev & Paul Benfield

Promoting the sustainable supply and use of energy for the greatest benefit of all





2nd InterEnerStat Meeting
20th November 2007

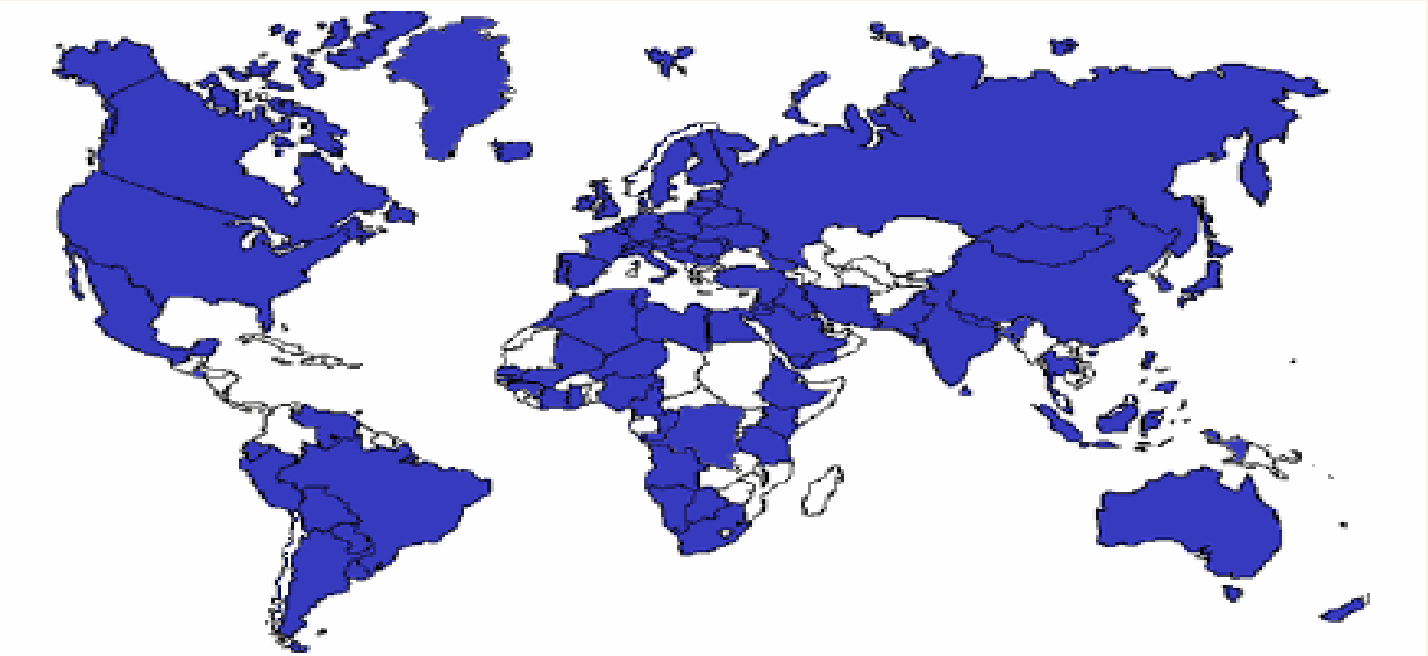
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World Energy Council (WEC)

- Established in 1923 as the World Power Conference
- Member Committees in 95 countries
- Multi-energy, non-governmental, non-commercial

WEC Member Committees



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WEC Activities

- Triennial World Energy Congress
- Work Programme:
  - Global Studies
  - Technical Committees
  - Regional Programmes

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2005-2007 Work Programme

- Survey of Energy Resources
- Performance of Generating Plant
- Energy Efficiency Policies and Indicators
- Regional Study on Europe's Vulnerability to Energy Crisis

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Survey of Energy Resources

- Triennial publication
- First edition in 1934
- 21st Edition in 2007
- Resource commentary, reserves, production & consumption, country notes

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SER Contents

1. Coal (incl. Lignite)
2. Crude Oil and NGL
3. Oil Shale
4. Natural Bitumen & Extra-Heavy Oil
5. Natural Gas
6. Uranium & Nuclear
7. Hydropower
8. Peat
9. Bioenergy
10. Solar Energy
11. Geothermal Energy
12. Wind Energy
13. Tidal Energy
14. Wave Energy
15. Ocean Thermal Energy Conversion (OTEC)

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Performance of Generating Plant

- Established in 1974 (Joint with UNIPEDE / EURELECTRIC)
- Generating plant unavailability factors and availability statistics
- Triennial surveys and reports
- Benchmarking Workshops
- Online database

Traditional / Technical Performance Indicators

- Planned and Unplanned (PCLF & UCLF)
- Energy availability to the grid (UCF / EAF)

New / Market Based Performance Indicators

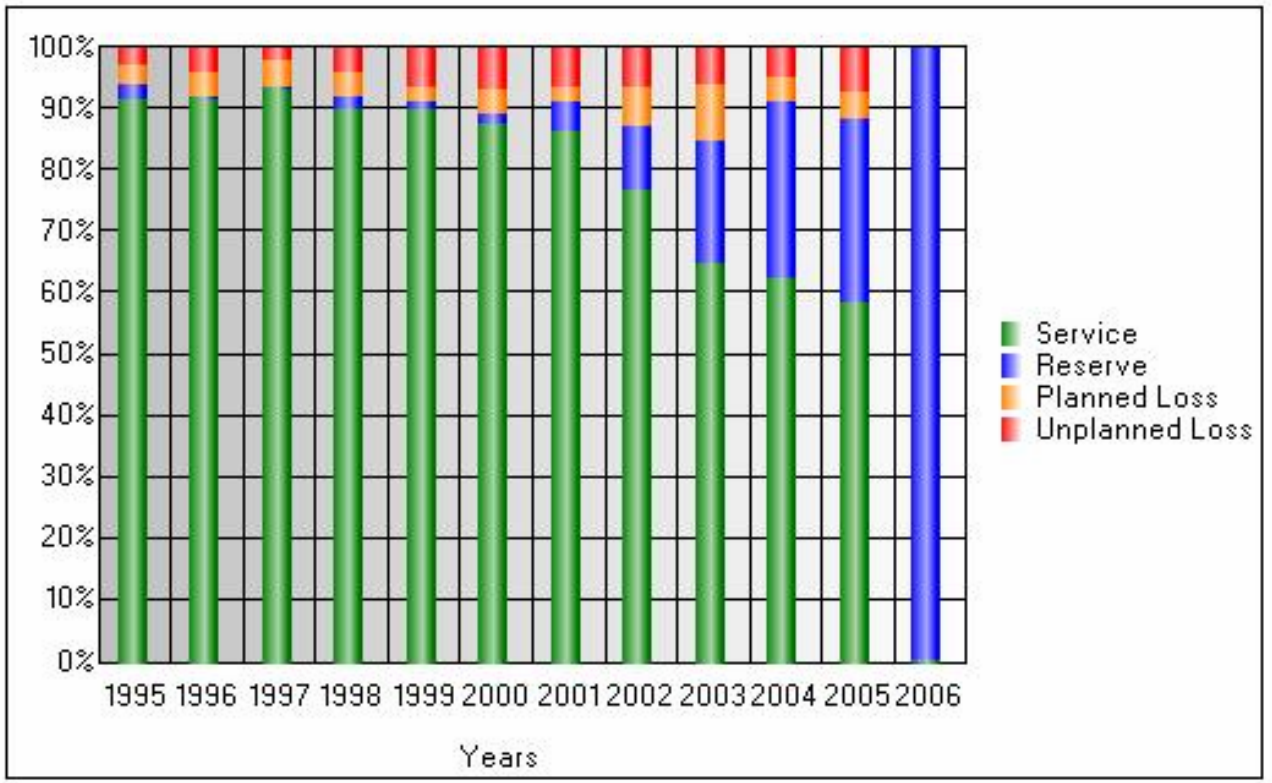
- Commercial Availability

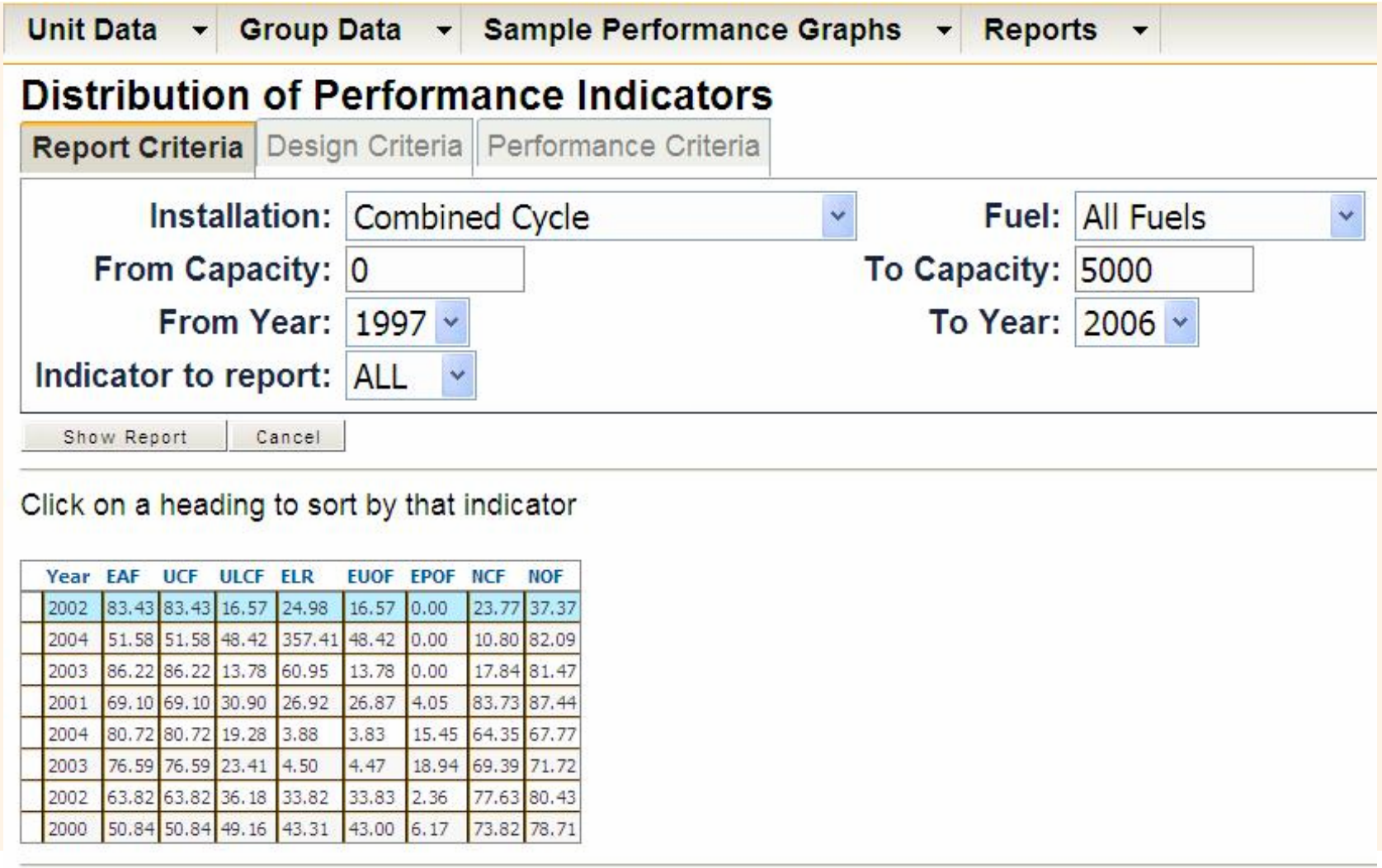
Performance Indicators for Renewable Plant

Unit Data | Group Data | Sample Performance Graphs | Reports

Percent of MW Hours to Reported Totals

Cogeneration, All Sizes, All Organisations





Year	EAF	UCF	ULCF	ELR	EUOF	EPOF	NCF	NOF
2002	83.43	83.43	16.57	24.98	16.57	0.00	23.77	37.37
2004	51.58	51.58	48.42	357.41	48.42	0.00	10.80	82.09
2003	86.22	86.22	13.78	60.95	13.78	0.00	17.84	81.47
2001	69.10	69.10	30.90	26.92	26.87	4.05	83.73	87.44
2004	80.72	80.72	19.28	3.88	3.83	15.45	64.35	67.77
2003	76.59	76.59	23.41	4.50	4.47	18.94	69.39	71.72
2002	63.82	63.82	36.18	33.82	33.83	2.36	77.63	80.43
2000	50.84	50.84	49.16	43.31	43.00	6.17	73.82	78.71

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Energy Efficiency Policies and Indicators

- WEC/ADEME
- APERC, OLADE, EU
- Collection of indicators
- Trends in energy efficiency performance
- Evaluation of energy efficiency policies

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Sample of Energy Efficiency Policies and Indicators

- Primary energy intensity (at ppp)
- Final energy intensity (at ppp)
- Energy intensity of industry (at ppp)
- Energy intensity of manufacturing (at ppp)
- Average electricity consumption of households
- Average electricity price (at ppp)
- Average price of motor fuels (at ppp)

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Welcome to the World Energy Council.

We promote the sustainable supply and use of energy for the greatest benefit of all people. We do this by identifying energy issues, advising and facilitating dialogue between energy decision makers and implementing action plans.

WEC News

Keynote address: P. Lamy
Keynote of Pascal Lamy at Rome Congress more >

Keynote address: J.M. Barroso
Keynote of José Manuel Barroso at Rome Congress more >

What's New

World Energy Congress Roundup
Conclusions, Speeches, Papers & Press Releases from the Rome 2007 Congress. more >

Central Asian Electricity Market
The WEC has released a report on the Electricity Market of the Central Asian republics. more >

Publications



Energy Policy Scenarios 2050
Analysis of possible energy policy futures more >



Survey of Energy Resources 2007
Survey of 15 key global energy resources more >

World Clock 19 November

21:07 London

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