

FFF FOSSIL FUEL
FOUNDATION
OF AFRICA



SANEA

The South African National Energy Association
Energy People Working Together



Energy Economics: *African Options in a Global Context*

A Two Day Course on Energy Economics
by

Dr Carol A. Dahl

Colorado School of Mines, USA

Thursday 15th and Friday 16th July 2010

Venue:

Glen Hove Conference Centre, Glen Hove Rd, Melrose, Johannesburg

Energy is in the news globally, regionally and nationally. High prices, high profits, low prices, low profits, volatility, brown outs, blackouts, bottlenecks, cutoffs, and environmental degradation stare out from the headlines. Understand the economics of why these things are happening and what is to be done about them. Be exposed to international scenarios and drivers that may have significant impact on regional and national economies.

WHO SHOULD ATTEND THIS COURSE

Engineers, economist, business managers, natural and social scientists and decision makers in both the public and private sector who wish to have a good overview of both global and local energy markets using important institutional detail, data sources, fundamental drivers and analytical techniques necessary for economic modeling, sound policy formation and profitable business decisions.

PROGRAMME

Thursday 15th July 2010

08:00-09:00 Registration

Chairman: Mr Brian Stratham, Chairman, SANEA - Welcome

09:00-09:40 - Opening Address 1: Global Energy – Professor Carol Dahl

09:40-10:20 - Opening Address 2: Coal in the South African Economy - Professor Rosemary Falcon

10:20-13:00 - The Coal Story – Prof Carol Dahl

- Economic fundamentals in coal markets, demand and supply elasticities; hydrocarbon taxes
- International demand and supply of coal; trends and impact on regional exporters
- South African coal's competitors – international reserves of coal, oil, natural gas and nonconventional hydrocarbons
- Southern African energy sources – hydrocarbons, nuclear, renewables, hydrogen and efficiency
- Allocating production over time
- Balancing use of coal reserves for short term benefit versus long term preservation
- Debate and discussions

13:00-14:00 - Lunch

Chairman: Professor Rosemary Falcon, FFF

14:00-17:00 – Energy Sustainability – evaluating the options - Professor Carol Dahl

- Relative merits of energy options global, regional and local
- Models for non-renewable resources, economics, security and availability
- Models of renewable energy sources, funding and feasibility
- Cradle to grave energy use: considering nett energy released
- Economic evaluation of energy choices
- The importance of externalities

17:00-17:30 - Closing debate and discussion

Friday 16th July 2010

08:00-09:00 Registration

Chairman: Paul White, FFF

09:00-09:40 - Opening Address 1: Global energy – Prof Carol Dahl

09:40-13:00 – Turning on the lights in dark continents – Prof Carol Dahl

- Electricity provision for developing countries, urban and rural – China, Indian and South America
- Electricity provision for urban and rural communities in South/ern Africa
- Market structure, electricity regulation, restructuring;
- The transition from conventional energy forms to renewables and nuclear
- Panel debate and discussions

13:00-14:00 - Lunch

Chairman: Mr John Marriott, Chairman of the Board, FFF/Consultant

14:00-17:00 – Carbon and climate change - Prof Carol Dahl

- Global trends in carbon and climate issues with implications for the fossil fuels industry
- Energy taxation, supply and demand elasticities
- Global and regional environmental models and policy including carbon trading and sequestration

17:00-17:30 - Closing address, summary and future developments

INTERNATIONAL GUEST LECTURER



Course Instructor: Carol Dahl, (<http://dahl.mines.edu/>) who is on a world lecture tour, is a Professor of Mineral and Energy Economics at the Colorado School of Mines, as well as the Director of the Colorado School of Mines/ Institut Français du Pétrole Joint Degree Program in Petroleum Economics and Management.

Trained as an economist she received her B.A. degree with distinction from the University of Wisconsin and her Ph.D. from the University of Minnesota. She has published around 50 articles, made over 100 conference presentations worldwide, has had numerous grants and contracts, has been a visiting professor at over 20 Universities and international organizations worldwide, has supervised numerous Ph.D. students and has travelled to over 100 countries pursuing her interest in global energy markets.

She is a member and senior fellow of the American Association for Energy Economics, a member of the International Association for Energy Economics, on the Editorial Board for *The Energy Journal*, and has been a Fulbright technical expert. Her book - *International Energy Markets: Understanding Prices, Policies, and Profit* first published in English with Pennwell press, is the basis for these series of lectures. It has also been translated into Croatian and Chinese. An electronic version of the book will be provided with the course.

THE COLORADO SCHOOL OF MINES

The Colorado School of Mines (CSM), (<http://www.mines.edu>) established in 1874, is a world-class provider of education and research in minerals, energy, and materials, with a focus on responsible stewardship of the earth. Its leadership in engineering, science, and economics is applied to resource production and utilization is renowned. The Mineral and Energy Economics Graduate Program, developed in 1969, broadens and complements the school's focus to include the economics and management of energy, minerals, and related technological and environmental issues. It gives its students an interdisciplinary and international perspective to meet the challenges of a complex global economy.

TECHNICAL ORGANISING COMMITTEE

- Brian Stratham – SANEA (Co-Chair)
- John Marriot – FFF (Co-Chair)
- Dick Kruger – FFF/Chamber of Mines
- Roger Baxter – Chamber of Mines
- Vince Micali – Eskom
- Paul White - FFF
- Dick Minnitt – University of the Witwatersrand
- Rosemary Falcon – University of the Witwatersrand

ACCOMMODATION

A list for hotels and alternative accommodation venues in and around the conference centre can be obtained from the FFF Course Secretariat on request.

COURSE SECRETARIAT

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WEBSITES

Fossil Fuel Foundation www.fossilfuel.co.za

South African National Energy Association www.sanea.org.za.

Colorado School of Mines www.mines.edu

REGISTRATION FORM BELOW



Southern African Energy Economics and the Global Context

15-16 July 2010

REGISTRATION FORM

Title (<i>Prof/Dr/Mr/Mrs/Ms</i>)					
Surname					
First Name					
Company or Organisation (<i>to be invoiced</i>)					
Company VAT number					
Purchase Order number					
Your position in company					
Postal address (<i>for the invoice</i>)					
Telephone					
Mobile				Fax	
Email (<i>please print clearly</i>)					
Accounts contact person					
Accounts Telephone number					
Accounts email address					
Would you like to become a FFF Member? Fee to be added – R350-00		Yes	No	Are you a FFF member? Membership No:	
				Yes	No
REGISTRATION FEES					
Full Registration fees for the course include: <i>Delegate folder & course materials, name tag, tea/coffee and lunches</i>					
FFF , SANEA & GSSA Member		R3 500.00 (incl. VAT)			
Non-Member		R4 000.00 (incl. VAT)			
Fully Retired/Academic/ Fulltime Student		R 2 000.00 (incl. VAT)			
I have read and understood the terms and conditions Signed:				Date:	

TERMS & CONDITIONS: if your registration fees have not been paid by your company by 7 July 2010, you will be personally liable for the full amount which must then be paid by 13 July 2010. Attendance is STRICTLY subject to prior payment.

An invoice will be issued on receipt of a completed registration form and the TERMS & CONDITIONS will then come into effect. Please forward a deposit slip or transfer form with the invoice number as a reference is required as proof of payment. Please fax this form to +27 11 728 1675 or email to robbie@rca.co.za or register@rca.co.za

CANCELLATION OF THIS REGISTRATION - Cancellation may be made in writing prior to 10 days before the conference; a 25% administration fee will be charged for cancellations made within 10 days of the conference. No refund or credit note will be issued if written cancellation is not received timeously. You will then remain liable for full payment of the invoice. Registrations are transferable.