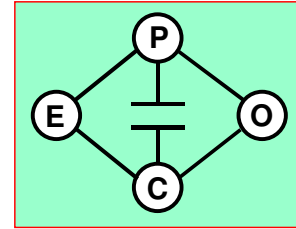


# Electric Power Optimization Centre

<http://www.esc.auckland.ac.nz/EPOC/>



## Winter Workshop 2005: Modelling New Zealand's Electricity Market

Room 1.419, School of Engineering, The University of Auckland

Friday, September 2, 2005

The Electric Power Optimization Centre at the University of Auckland is a research group supported by the Public Good Science and Technology Fund. Our research focuses on the development of optimization and statistical models for decision support in wholesale electricity pool markets. The Fourth Annual Winter Workshop at the University of Auckland is a free one-day meeting for invited industry participants. The theme of the 2005 Workshop is models for planning in a market environment. There will be time allocated after each talk for questions and discussion.

### (Provisional) Timetable:

9:00: Convene in 4<sup>th</sup> floor Atrium of School of Engineering, 20 Symonds Street

9:00 – 9:30: Planning and markets: an economist's view  
John Small (COVEC)

9:30 – 10:00: PRISM – a simulation model for investment planning  
Geoffrey Pritchard (EPOC)

10:00 – 10:30: Using PRISM as a planning tool  
Remy Garderet (UoA Energy Centre)

10:30 – 11:00: Coffee

11:00 – 11:30: Electricity offer optimization over consecutive trading periods  
Andy Philpott (EPOC)

11:30 – 12:00: Risk forecasting models for New Zealand hydro catchment inflows  
Peter Thomson (SRA)

12:00 – 1:00: Lunch

1:00 – 1:30: Generalising the "Spring Washer" Pricing Effect  
Grant Read (CRA and EMRG, University of Canterbury)

1:30 – 2:00: SPD: a large consumer's view  
Graeme Everett (Norske Skog)

2:00 – 2:30: Panel discussion

2:30 – 3:00: Coffee

3:00 – 3:30: A Model for New Zealand Wholesale Electricity Prices  
James Tipping (EMRG, University of Canterbury)

3:30 – 4:00: Models for capacity expansion of electricity distribution networks  
Kavinesh Singh (University of Auckland)