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 4th 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)