







PRICE DETERMINATION OF ELECTRICITY SUPPLY DUE TO EXTERNALITIES, WHEELING CHARGES AND LOSSES



MR. PEERAWAT PAYAKKAMAS

Master of Engineering in Energy Technology and Management

Advisors

Dr. Athikom Bangviwat

Energy and Environmental Policy Laboratory (EEPL) The Joint Graduate School of Energy and Environment

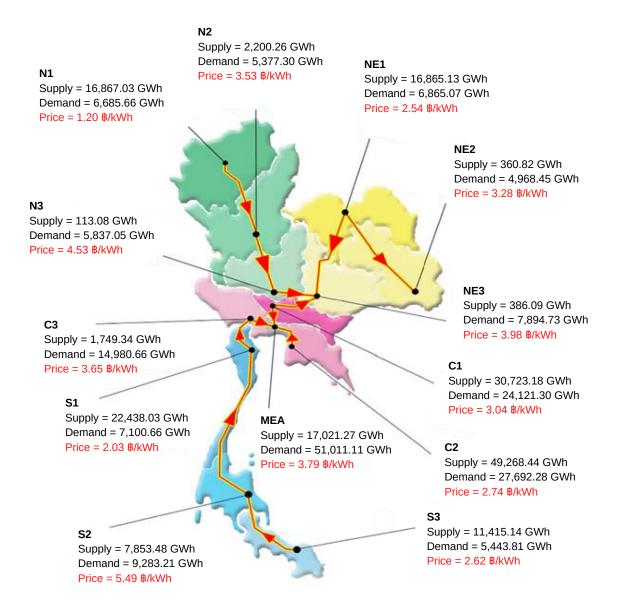
Prof. Christoph Menke

Trier University of Applied Sciences, Germany

The research work performed as part of my master studies (2016-2018) aimed at determining new electricity prices for endusers in different zones of Thailand by incorporating a number of parameters in the assessment, including: levelized costs power generation, external costs associated health human and environmental impacts. well as wheeling charges and losses incurred from the transfer of electrical energy from one zone to another.

As a preliminary work, this study intended to provide information related to electricity prices that reflect more accurately the adverse effects of power generation onto society. It also intended to highlight the policy implications related to the involvement of localities on power plant planning and decision-making to fulfil the interests of the concerned stakeholders.

Electric Energy Balance and Price to End Users



As a part of this research, I had an opportunity to visit Germany for one month to acquire knowledge on various aspects, including: electricity costs, and effects of externalities and wheeling charges, local participation in electrical utilities planning, Germany's renewable electricity policy, etc. This research work was published in the journal "Science & Technology Asia".