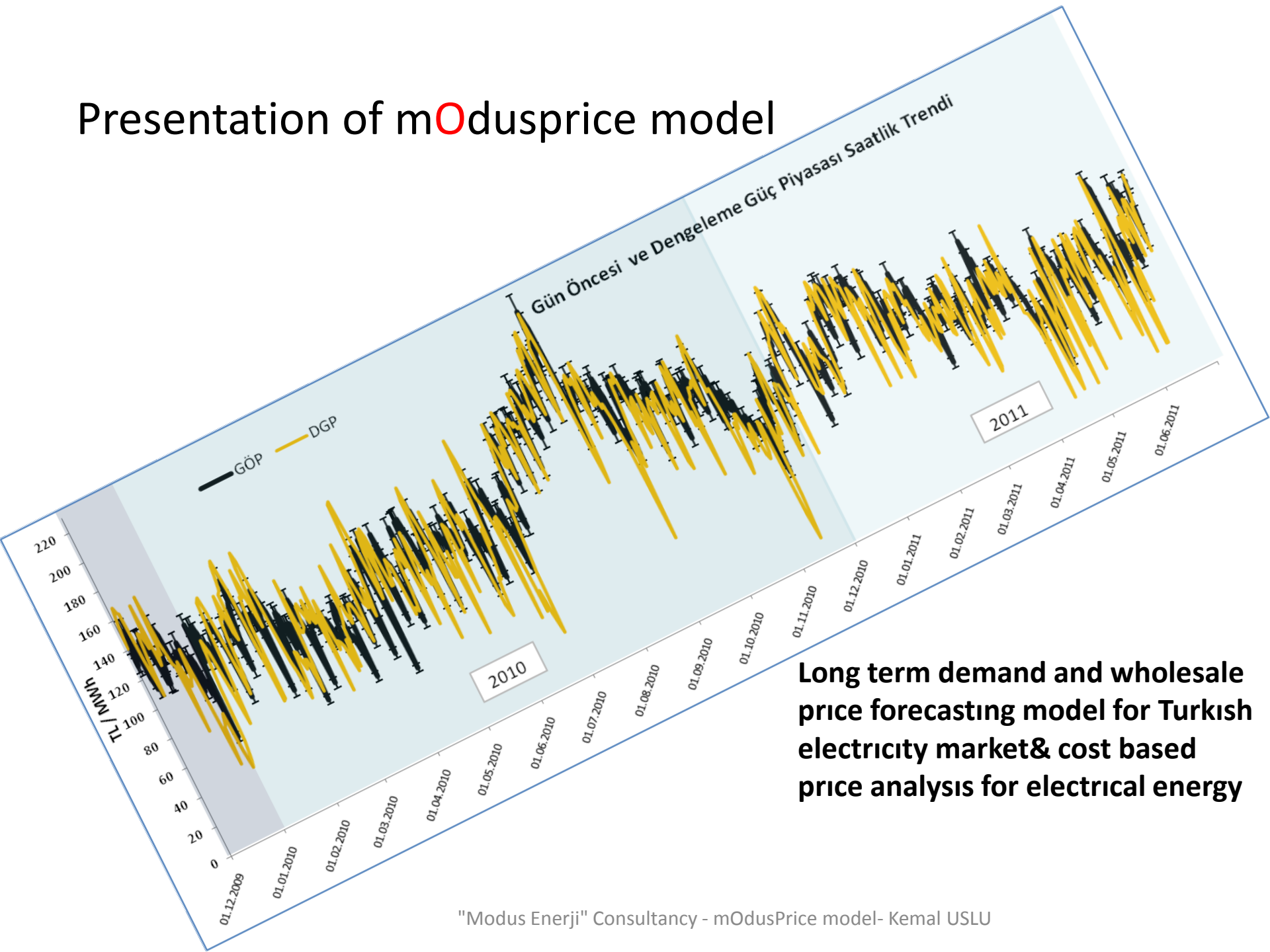


Presentation of mOduSprice model



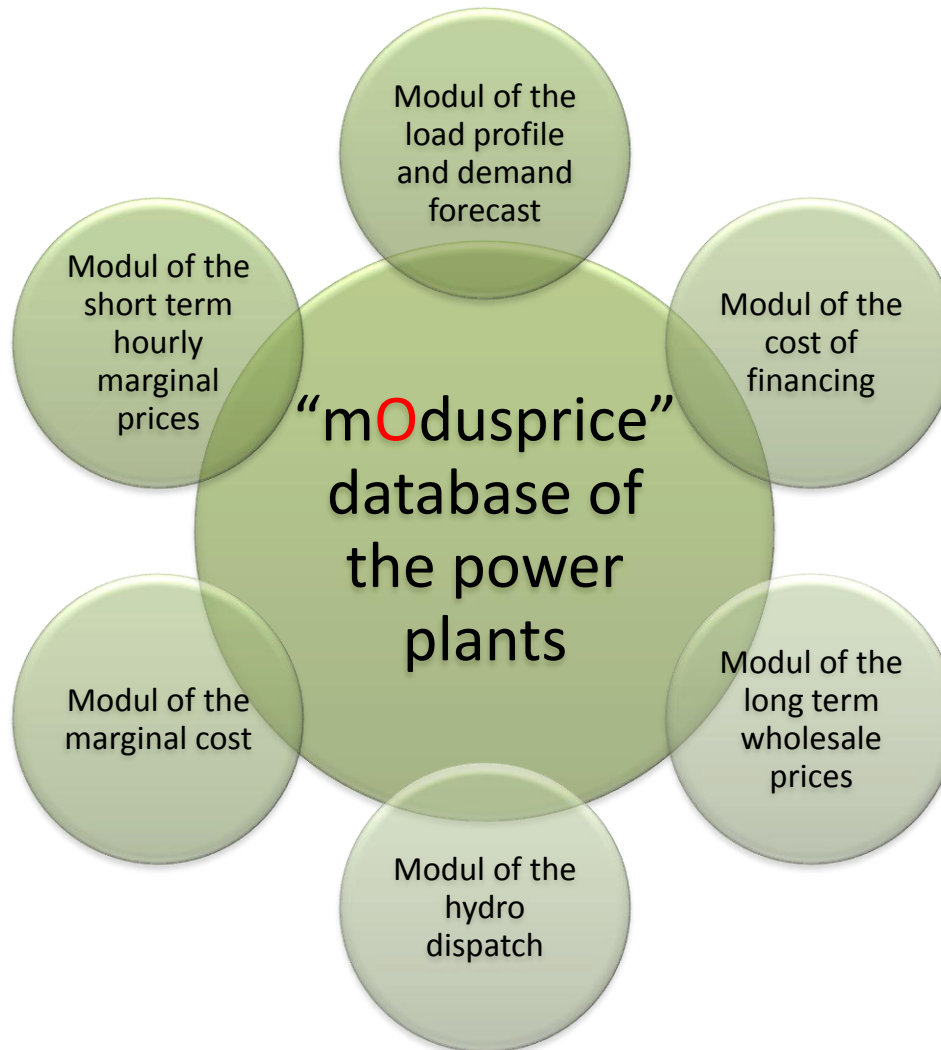
Long term demand and wholesale price forecasting model for Turkish electricity market & cost based price analysis for electrical energy

Target of the model

Target;

- Calculating cost based prices on medium & long term contracts in the electricity Wholesale market,
- Forecasting medium & long term electricity demand,
- Minimizing of investors and financiers in the electricity market,
- Guiding to investors in investment decision by optimum resources,
- Guiding to generators bid&offer prices.

mOduS price

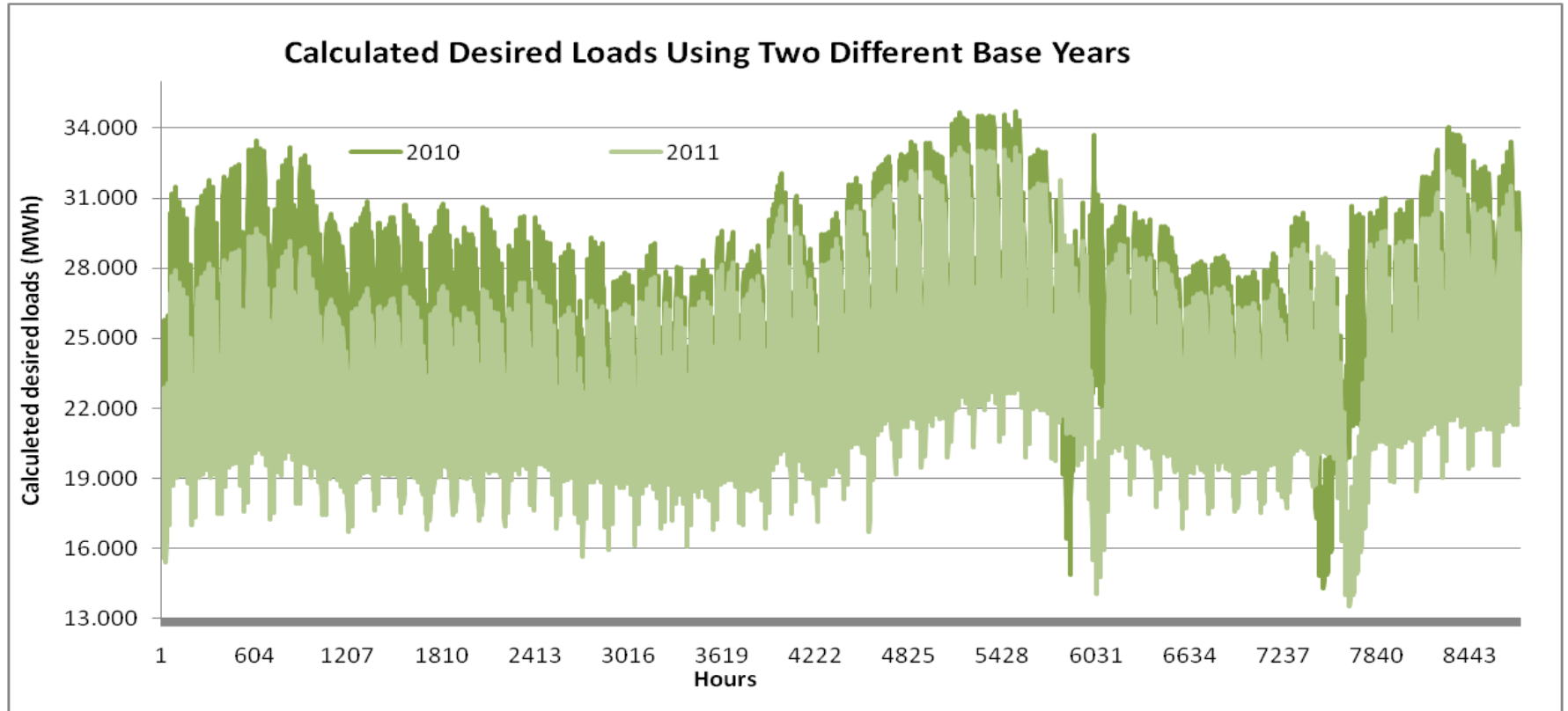


"mOduSprice" licensed project around 1400 by information from the central data base, demand, load profile, hydro and thermal power distribution, and the marginal cost of financing through the use of modules, the electricity market is completely unique to Turkey long-and short-term (hourly) estimates of electricity price projections.

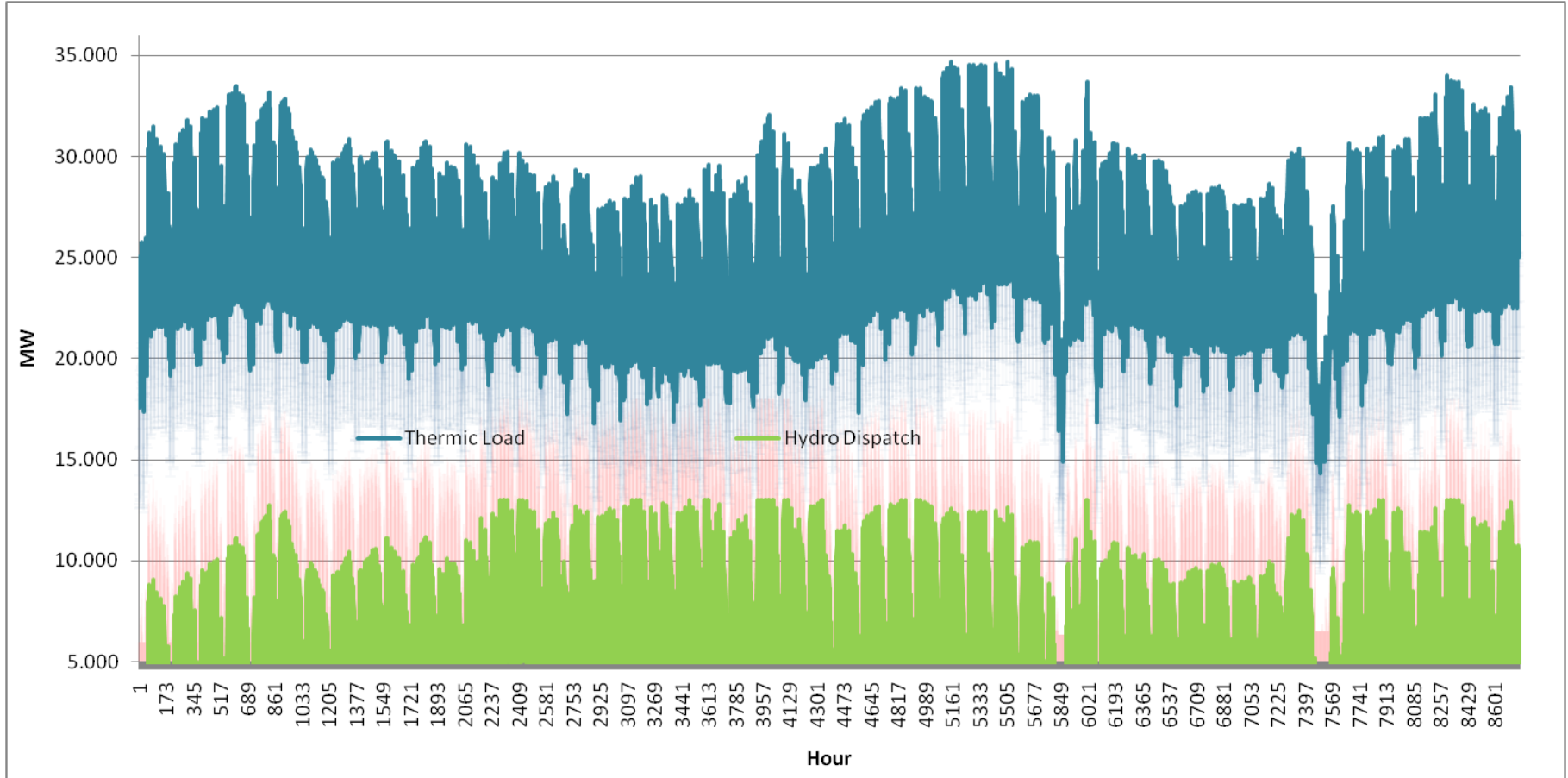
"mOduSprice" 27 years of experience in the energy sector, which has been developed by Kemal Uslu.

- "Modusprice" wholesale price projections for long-term decision-making, and offers short-term projections for the hourly marginal cost.

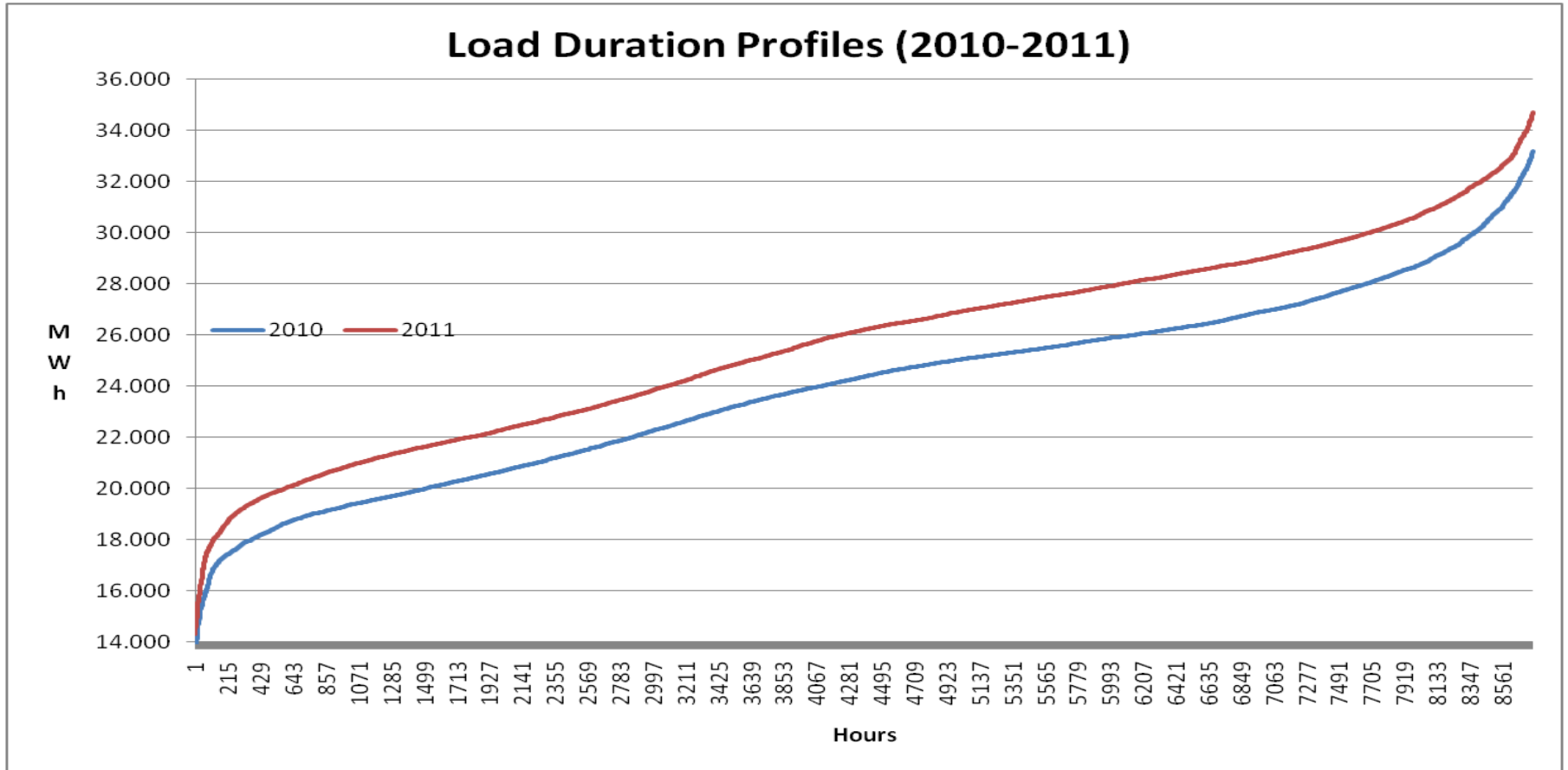
Load Profiles



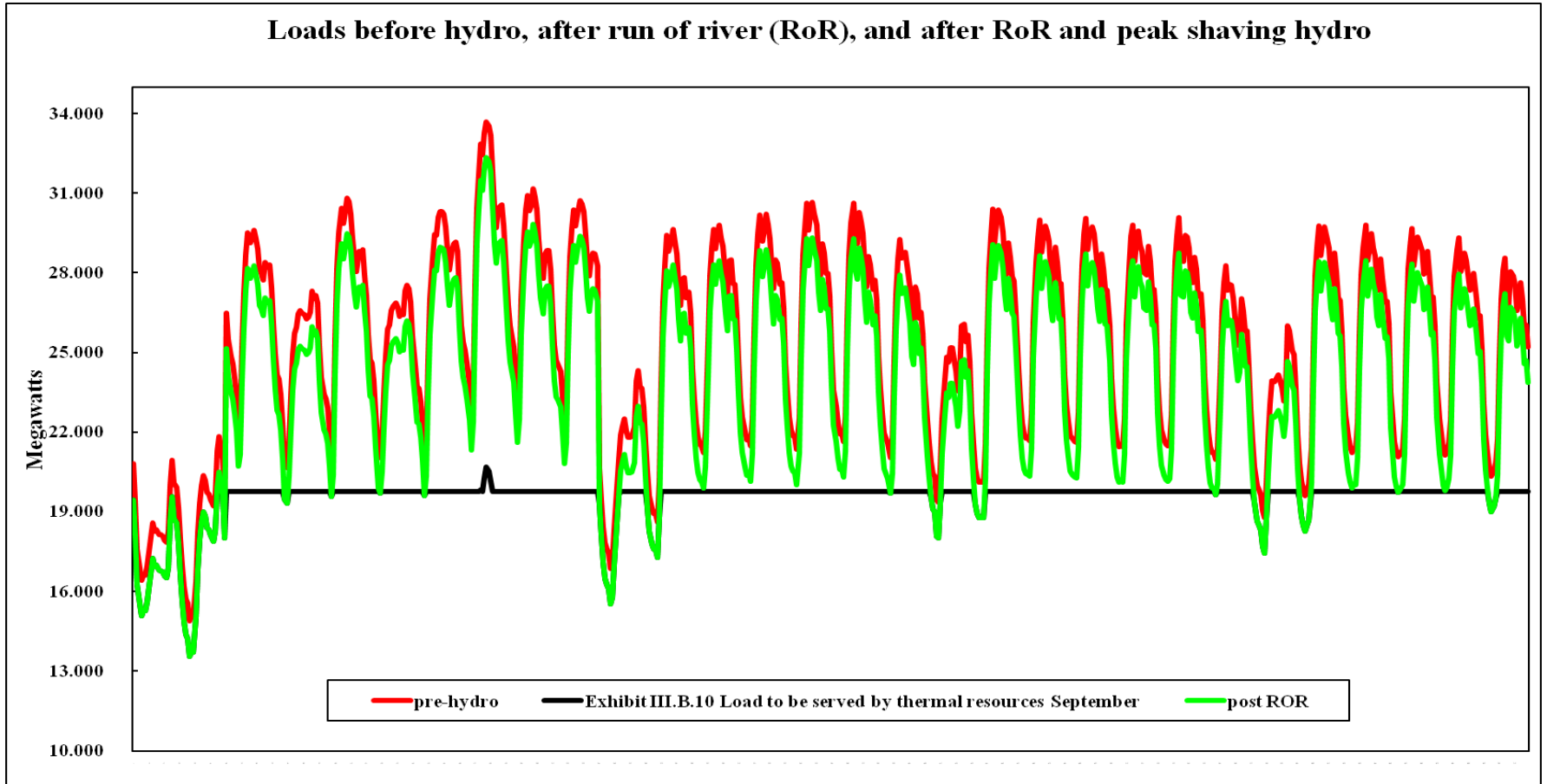
Hydro and thermal load profiling



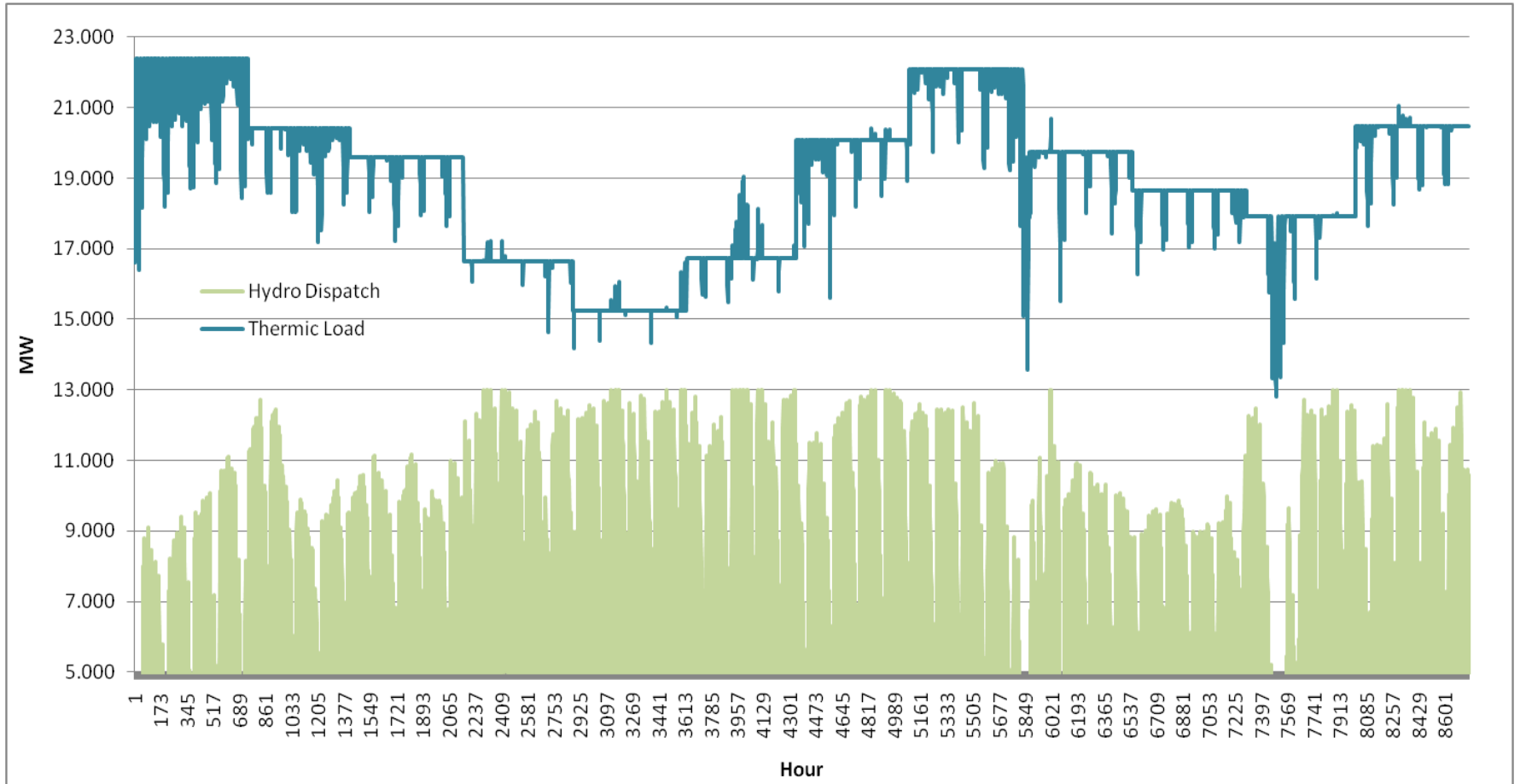
Load duration profiles



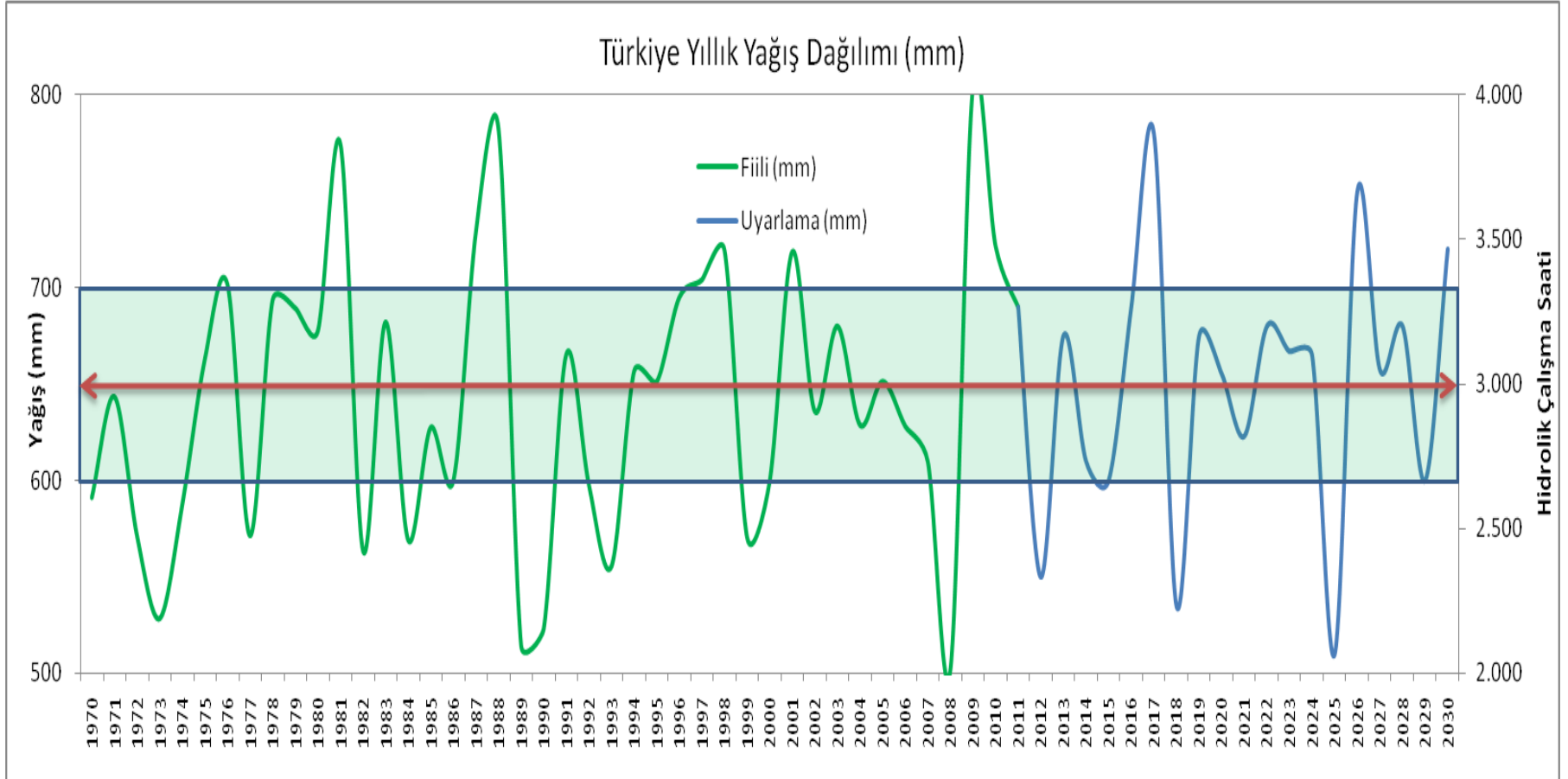
The load profile after dispatching hydro power



hourly load profile of thermal capacity

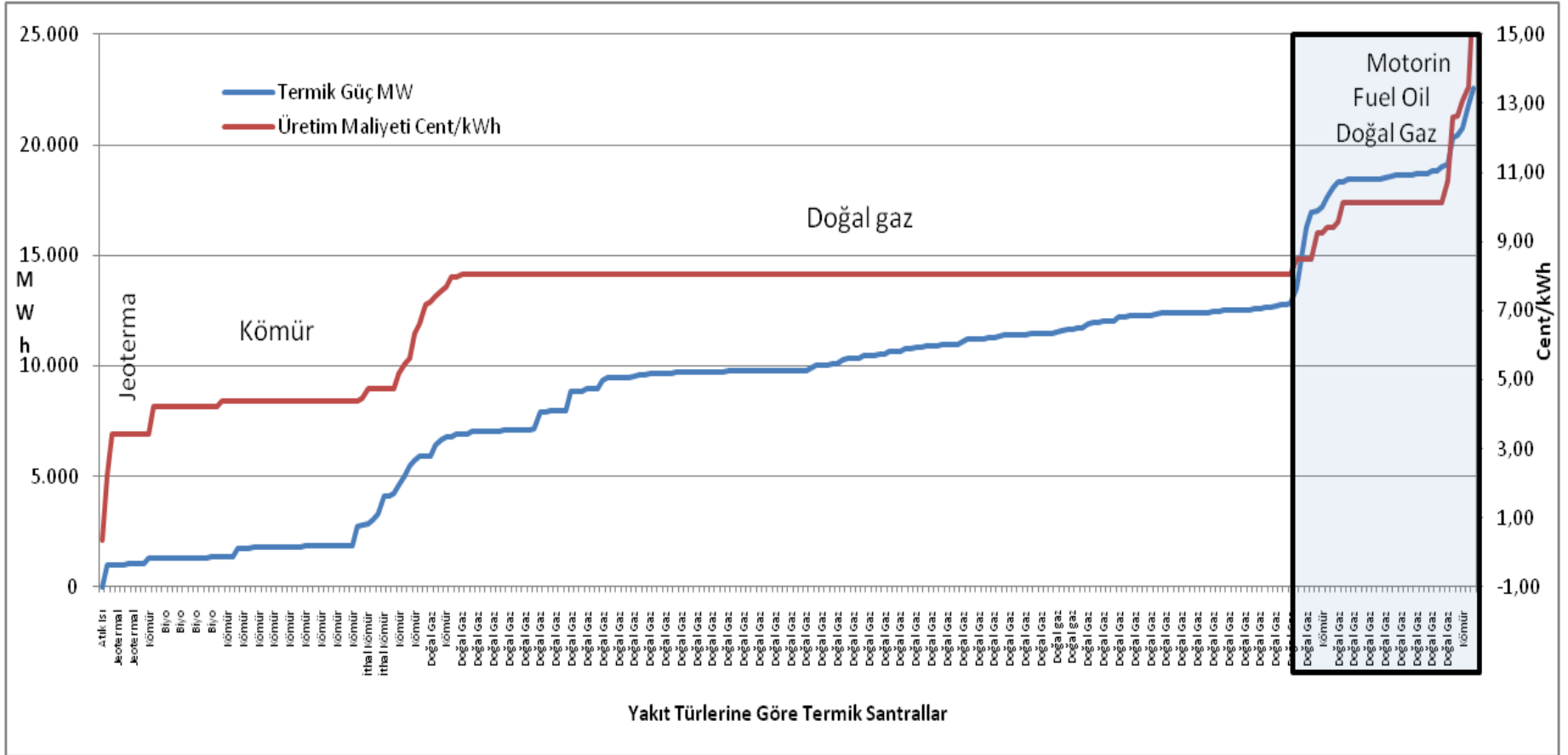


turkey rainfall statistics for many years

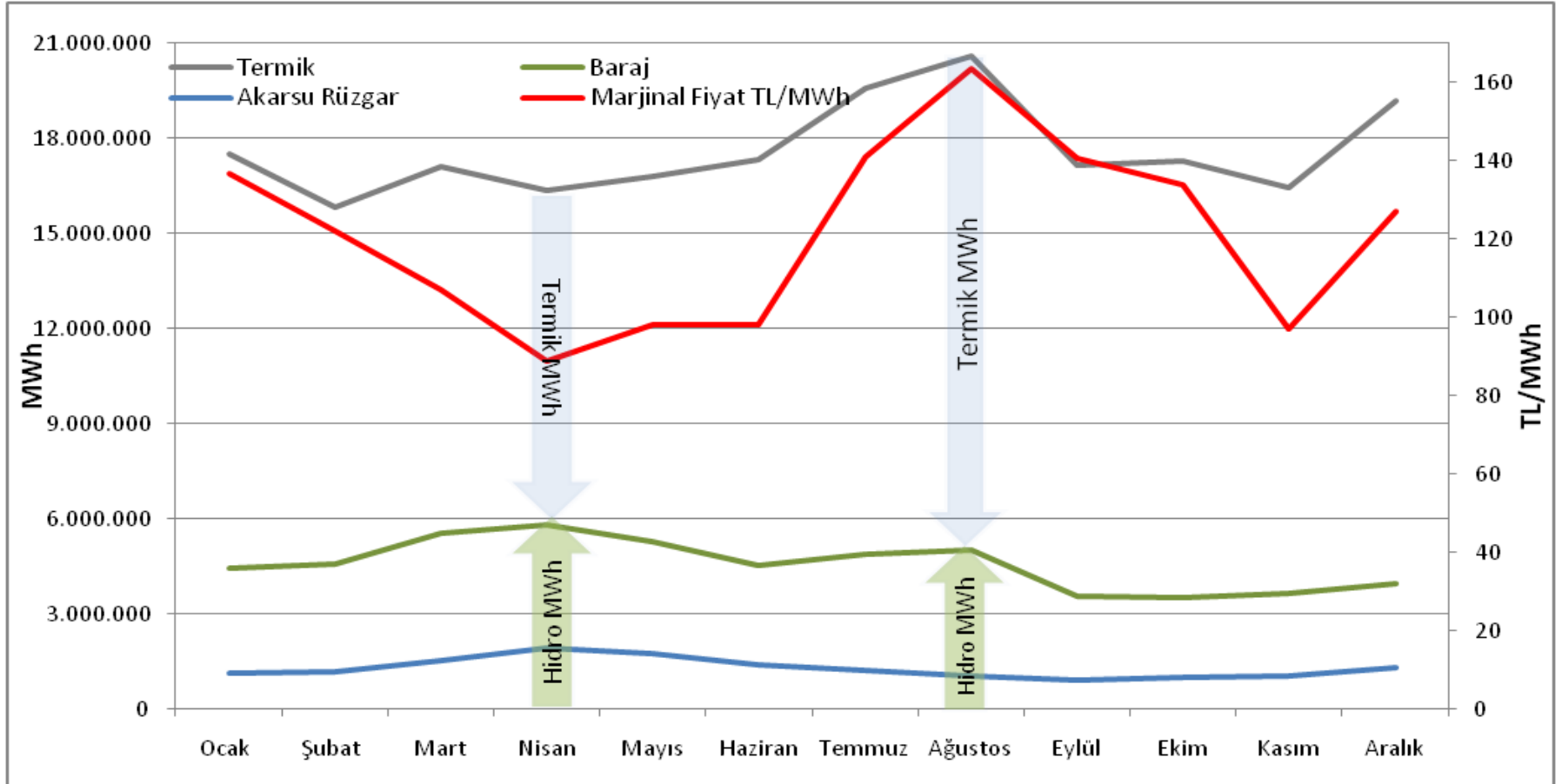


Hydraulic Power Plants Average Hours of Work, 2000-2500 regular season, the dry season 2500 - 3500 rainy season, 3500-4000

merit order (thermal capacity)

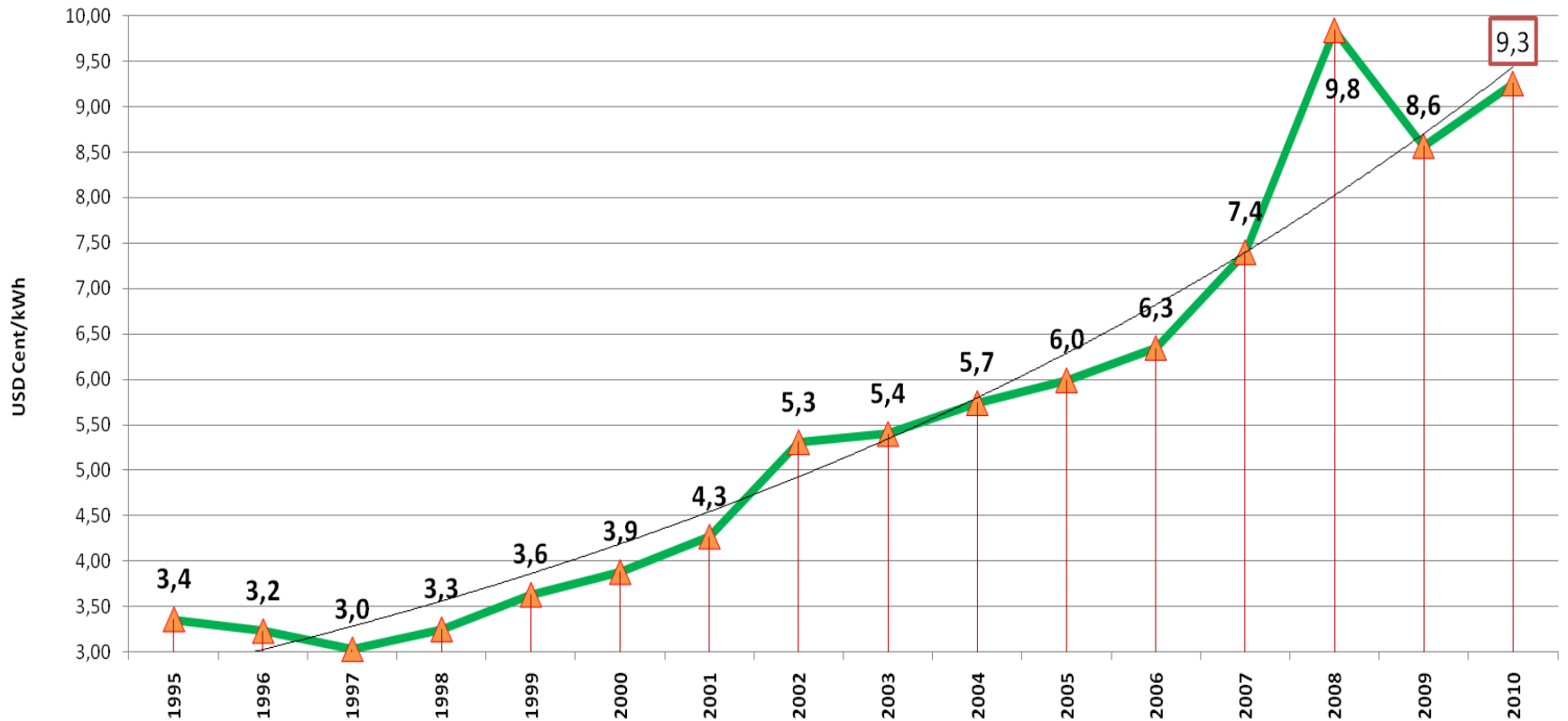


seasonal load and marginal prices

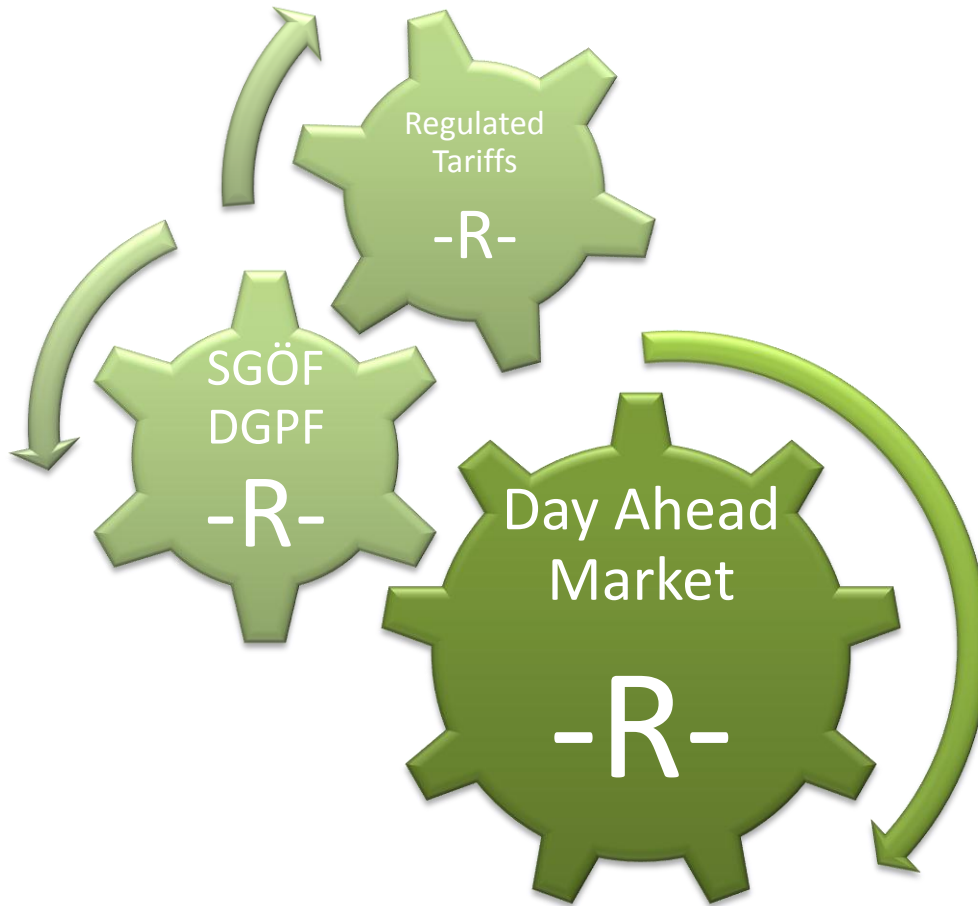


wholesale prices

WHOLESALE ELECTRICITY PRICE DEVELOPMENT TURKEY



Reference prices



The prices are subject to reference prices to investors, as well as the regulation is still "SGÖF" and "DGPF" While, 2012 at the beginning (2011 December) that will begin the day ahead market (spot market), the post, which will signal to investors and trade in electricity prices based on spot market prices will be .

SGÖF: System Day Ahead Price
DGPF: Balancing Power Market Price