

APER Forum 2018

Theme 3 – Developments in the Authority's market monitoring

Rory Blundell - General Manager Market Performance



Overview

Considering the trends of deregulation of energy markets, what kind of transactions are defined as "inappropriate"? How are such transactions surveilled and identified as "inappropriate" by energy regulators?

The Authority's four key functions

 Promote market development, enforce compliance, operate the electricity system and markets, monitor, inform and educate

Discussion points

- Increasing understanding and scrutiny by improving transparency and providing access to tools and data
- The technology and approach we use to monitor the market



New Zealand context

Market characteristics

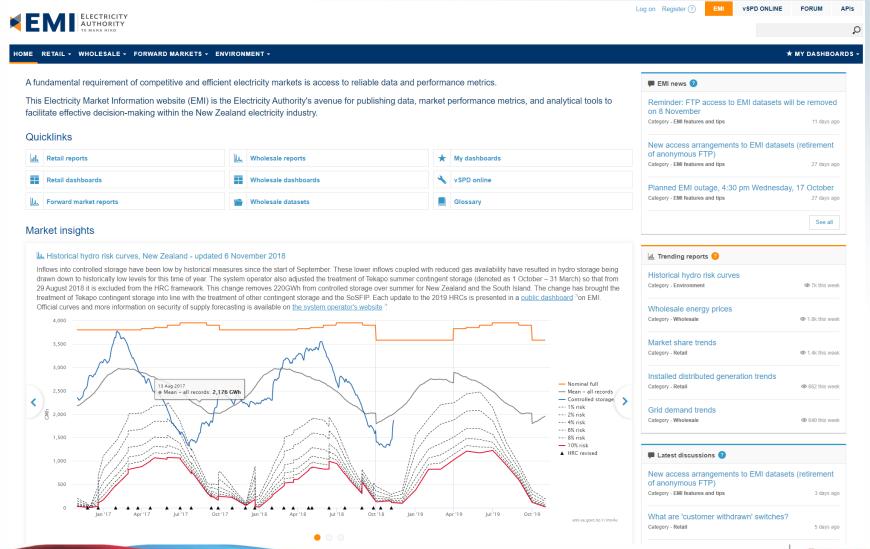
- Five large generator-retailers majority of generation hedged by contracts
- Spot market mainly used as a balancing market
- Transmission system largely uncongested but can have localised congestion at times

The Authority and Code characteristics

- We own and develop the market systems
- Information gathering powers
- Obligations around hedge disclosure
- High standard of trading conduct rules
- We've developed our own clone of the market clearing model (vSPD)

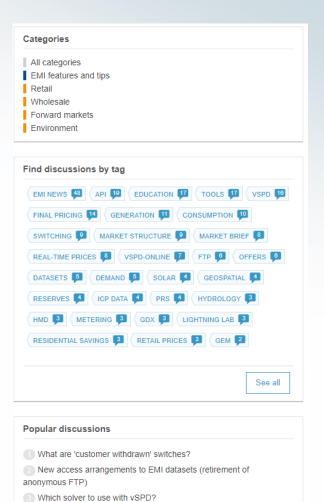


1st limb - Curated charts, statistics and explanations for general audiences to increase engagement and literacy



450+ forum members can ask us anything





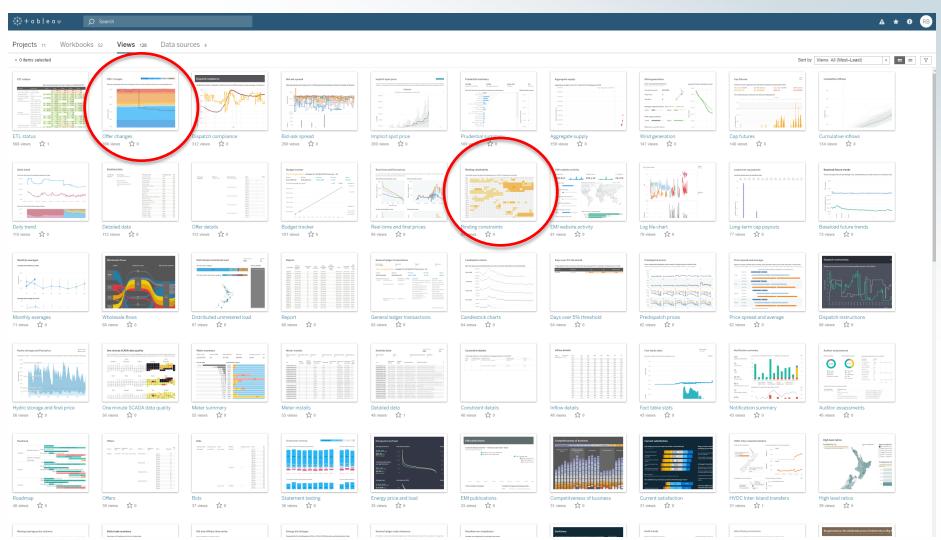


Reminder: FTP access to EMI datasets will be removed on 8

Request for report on generation by type

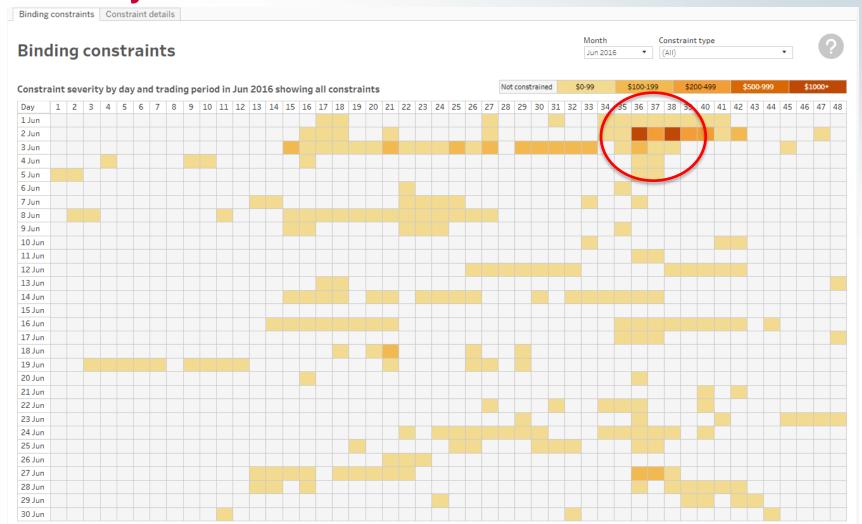
November

2nd limb – capture institutional knowledge into standard monitoring tools for staff



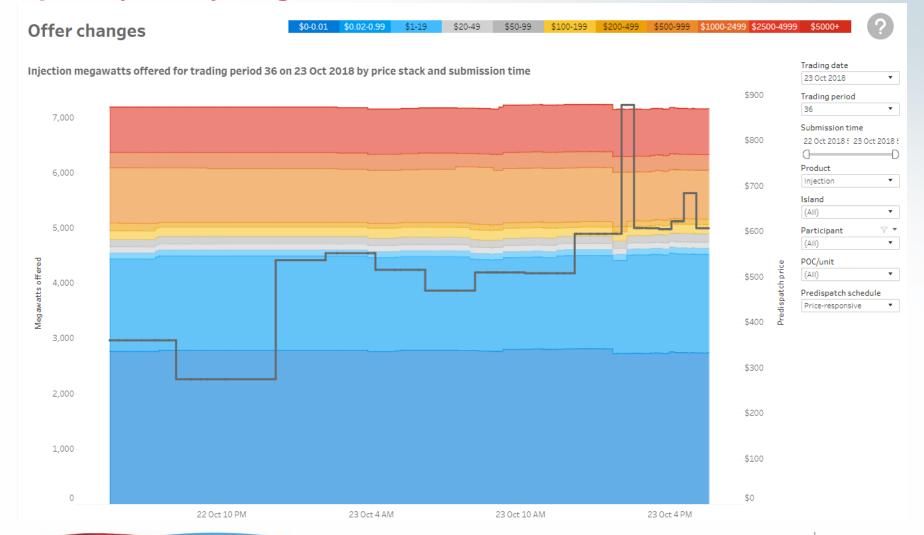


Challenge is to distinguish the signal from the noise efficiently





Eventually you need reliable and scalable tools capable of quickly analysing millions of records





3rd limb - bespoke analysis and simulations. vSPD is invaluable

