

# AMMAT

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# AMMAT Guide

## Guide to Commerce Commission Asset Management Maturity Assessment Tool (AMMAT)

May 2014

From harmonics:  
Power by sampling

$$\bar{P} = \frac{1}{T} \int_0^T v_{rms,n} i_{rms,n} \cos(\theta_n) dt$$

Measured in units of Volt-Amps-Reactive (VAR)

Q = reactive power  $Q = I^2 X$   $Q = \frac{E^2}{X}$

Measured in units of Volt-Amps-Reactive (VAR)  
S = apparent power  $S = I^2 Z$   $S = \frac{E^2}{Z}$   $S = IE$

Measured in units of Volt-Amps (VA)

S = apparent power  $S = I^2 Z$   $S = \frac{E^2}{Z}$   $S = IE$



# Asset Management Improvement Context

- Electricity infrastructure supports fabric of our modern way of life.
- It provides platform for economic growth.
- Societal dependence on power system – resilience, avoid failures.
- No surprises for financial planning.
- Effective, sustainable use of scarce resources.
- Improved public health and safety.
- Better understanding and meeting customer needs.



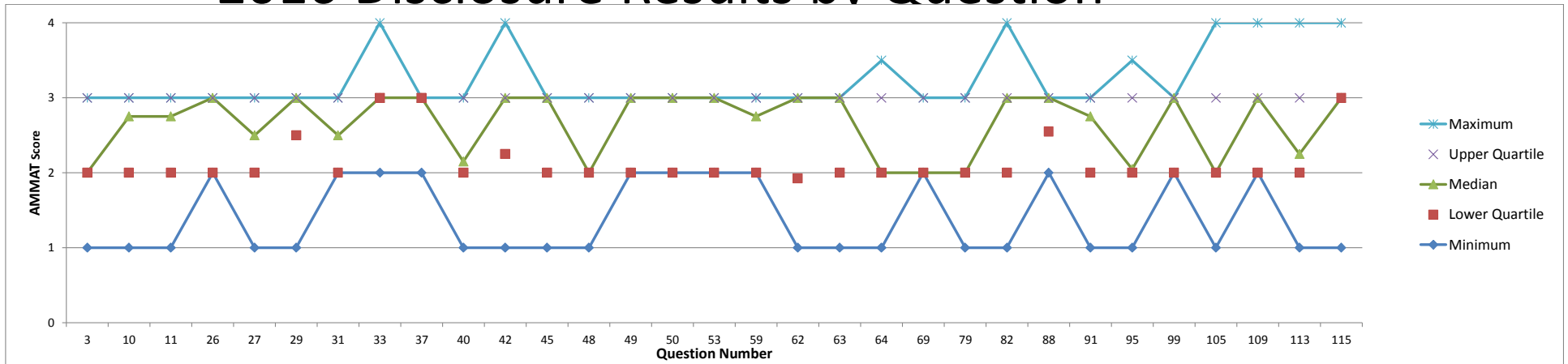
# Asset Management Improvement Benefits

Typical benefits :

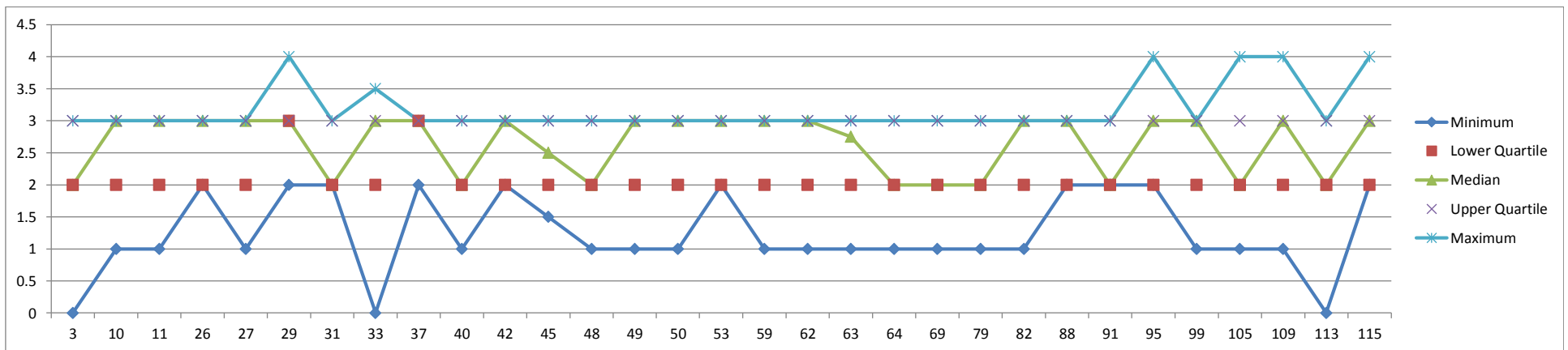
- Better value for money through financial efficiencies
- Stronger governance and accountability
- Improved customer service ⇔ increasing customer expectations
- More agile response to regulatory changes
- Reduced risk exposures ⇔ planning to prevent failures and responding when they happen
- More sustainable decision making ⇔ financing asset renewal
- Better organisation alignment



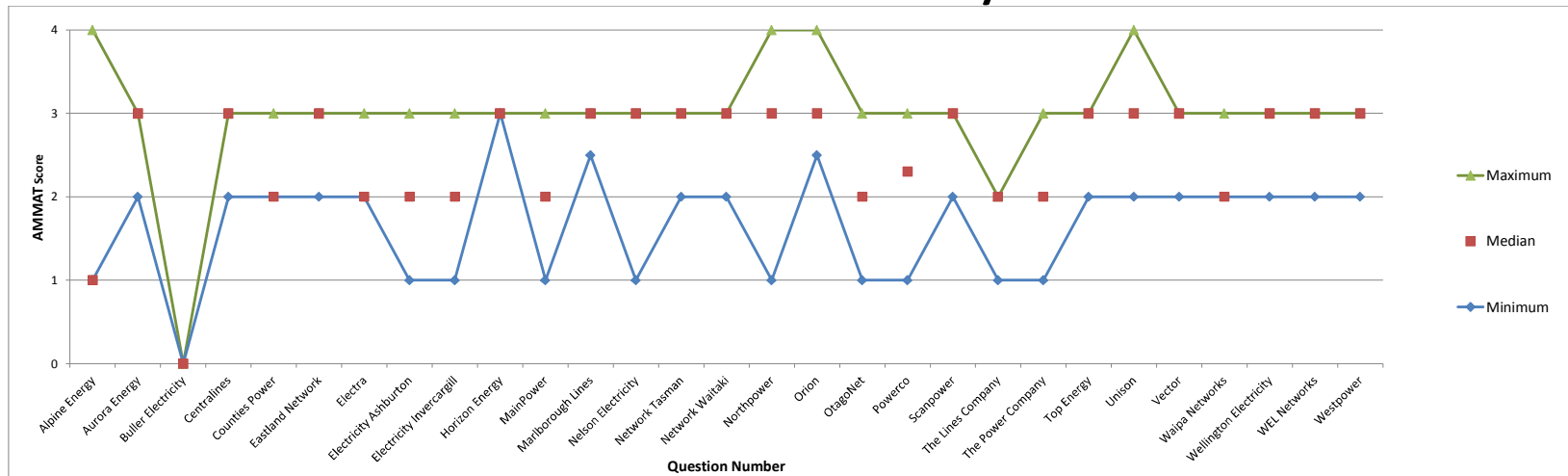
# 2016 Disclosure Results by Question



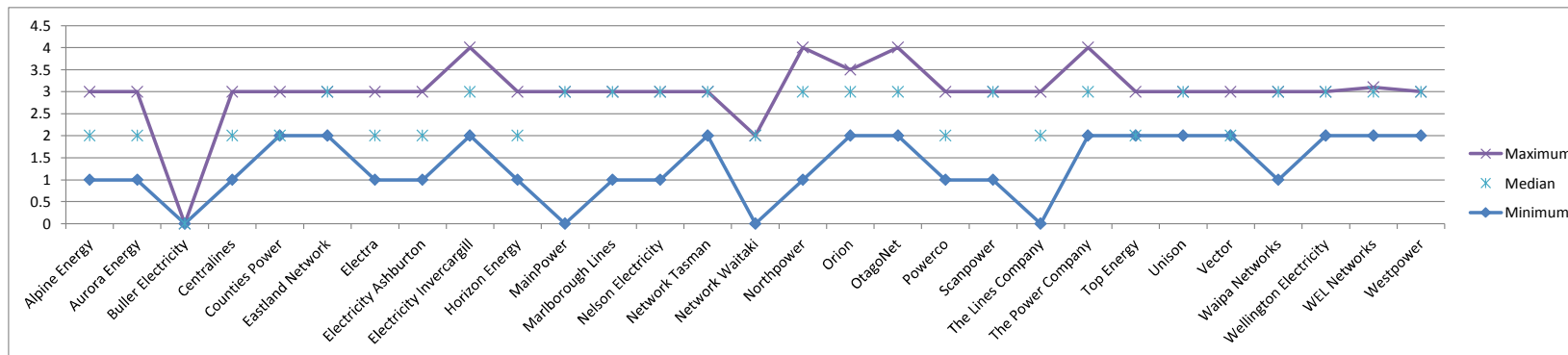
# Against 2013 Disclosure Results



# 2016 Disclosure Results by Distributor



# Against 2013 Disclosure Results



## EDB Schedule 13 Disclosures

	2013 AMMAT Scores	2016 AMMAT Scores
Average plus One Standard Deviation	3.07	3.10
Average minus One Standard Deviation	1.90	2.00



# Has the EEA's AMMAT Guide been successful?

1. Do you use the AMMAT Guide as part of your self assessment?
2. Do you use the AMMAT Guide as part of your asset management maturity improvement planning?
3. If so, would your use be occasionally or regularly? How has it helped your organisation's asset management improvement journey?

