Kent Active System Management (KASM) Overview:

Develop advanced modelling tools that can be used to run the distribution network closer to its limits

The benefits to you:
- Reduce constraints on generators during planned outages
- Release network capacity for new generation connections

How we achieve this?
1. Enhanced visibility of transmission network
2. Short term forecasting modules
3. Real-time modelling tools
Load and generation forecasting

Data Inputs:
- Weather data
- Wind generation forecast (MW)
- Historic load and generation profiles (MW/A)

Forecasting modules

Output: hourly forecasts (0 – 120 hrs)
Aggregating generation GSP level

Margin of opportunity
### Current process

- Use National Grid System Studies data (Min dem & Max gen)
- Update based on transmission generation submissions
- Decide on curtailment

### New process

- Use National Grid System Studies data (Min dem & Max gen)
- Update based on transmission generation submissions
- Use 5 day ahead forecast data, plan on curtailment
- Run day ahead modelling software. Validate curtailment

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**How does this affect you?**

We are developing new tools and processes to facilitate a higher export of distributed generation.