Summer Readiness

Presented to WA Electricity Consultative Forum

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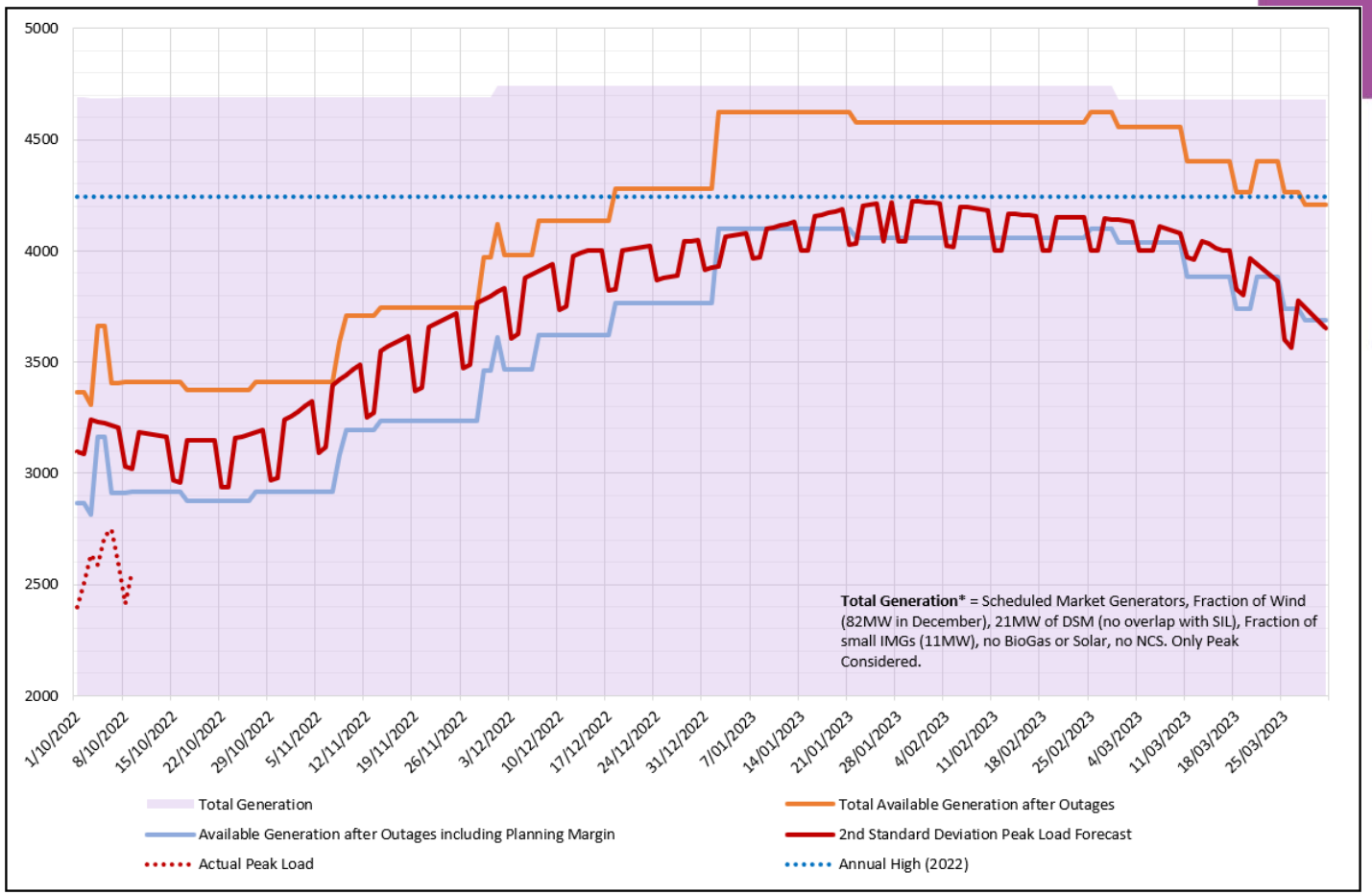
Balancing supply and demand

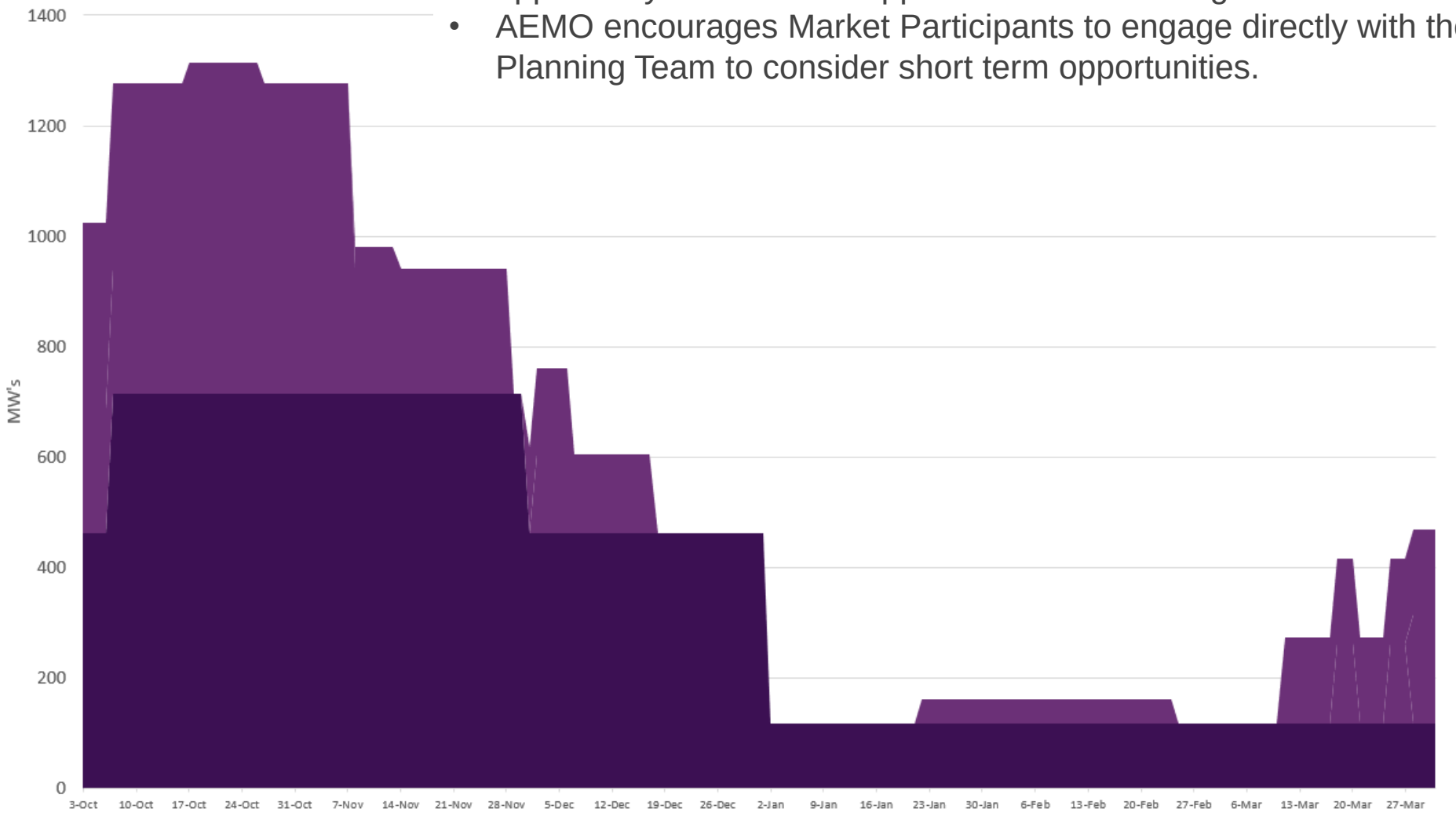
- Due to a number of forced outages, the outlook for spring and summer indicates periods of significant shortfalls in reserves, when considering a 2nd standard deviation forecast.
- Coal preservation and ensuring adequate stockpiles for summer is a key focus.
- Closer to the time, demand forecasts are updated and more accurate estimates of wind are considered.
- Refining Control Room Procedures to manage the tight conditions.



The power system is planned to be managed to accommodate the loss of the largest generator, and maintain system security to respond to the next largest contingency.

Managing outages

- Due to the high volume of generation on outages, there is little opportunity for AEMO to approve additional outages.
- AEMO encourages Market Participants to engage directly with the Planning Team to consider short term opportunities.



Forced

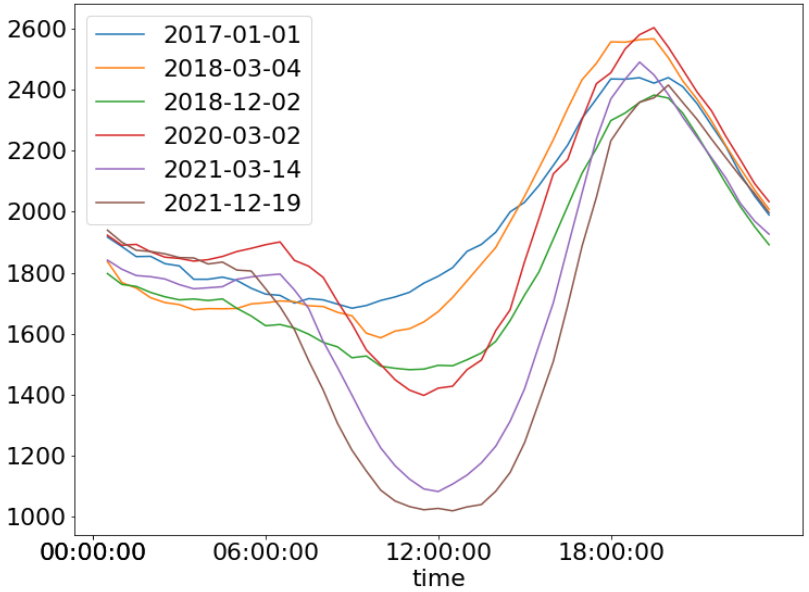
Planned

Managing System Security

Minimum Demand Levels

- Minimum demand levels continue to reduce with a new record on Saturday 8th October.
- Minimum Demand Thresholds have been identified for different dispatch outcomes.
- The forecast minimum demand for the summer period is predicted to be above these Minimum Demand Thresholds.
- Low loads are expected to require actions outside of the norm, with some market impact.

Historical Summer minima (System Load, MW)



Responding to Contingency Events

- AEMO and Western Power work closely on planning for and responding to contingency events on the power system.
- This includes investigating some manual actions to reduce the impact of GIA under specific operating conditions.
- A real time frequency stability tool supports AEMO's decisions to ensure sufficient reserve to cater for generator contingencies.

What do we need from you?

- There is a high likelihood that all generation and DSP will be dispatched more frequently. Any activities required for provision of full output, need to be enabled.
  - E.g. if staff are required on site to enable maximum generation output
- It is essential that any risks are communicated to AEMO as soon as Market Participants are aware of them.
- Communication of any change in operational practices that may impact system demand.
- AEMO plans to introduce a staged notification of system constraints through Dispatch Advisories to improve situational awareness.
- Ongoing close co-operation between multiple industry partners across a range of operational activities is required.

Contact details for non *real time* discussions

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