2022 Western Australia Gas Statement of Opportunities

Presented to WA Gas Consultative Forum

By Christopher Meredith, Analyst

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Agenda

1. Key findings
2. Gas demand – forecast methodology and forecasts
3. Potential gas supply – inputs and forecasts
4. Adjusted supply-demand balance

Key findings

Gas supply/demand finely balanced through to 2029

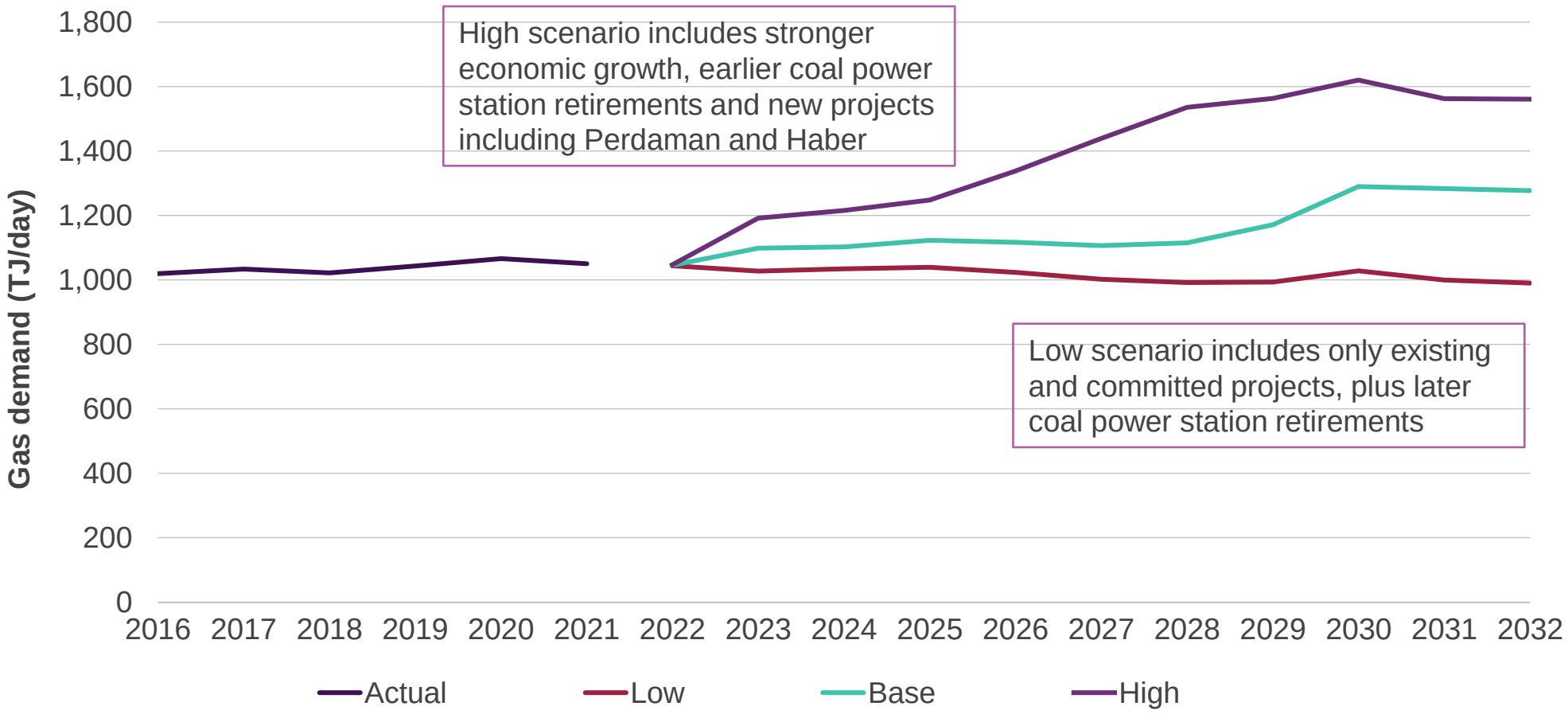
- Over the outlook period 2023 to 2032:
  - WA's domestic gas demand is forecast to grow at an average annual rate of 1.7%, largely due to growth in gas generation in the SWIS.
  - Potential gas supply is forecast to decline at an average annual rate of 1.1%.
- The outlook has two phases:
  - 2023 to 2029 – finely balanced market with deficits and surpluses of less than 50 TJ/day.
  - 2030 onwards – shortfalls of over 200 TJ/day each year as coal generation retires.

Key findings – continued

- Several options exist to alleviate this supply gap:
  - Gas delivered from storage – WA has 78 PJ of storage capacity, at the time of the GSOO publication, storage was 63% full.
  - Small quantities of short-term additional supply from existing gas production facilities.
  - New projects – existing discoveries in the Carnarvon (offshore) and Perth (onshore) basins could be developed.
  - More rapid decarbonisation by large gas users would reduce forecast gas demand.

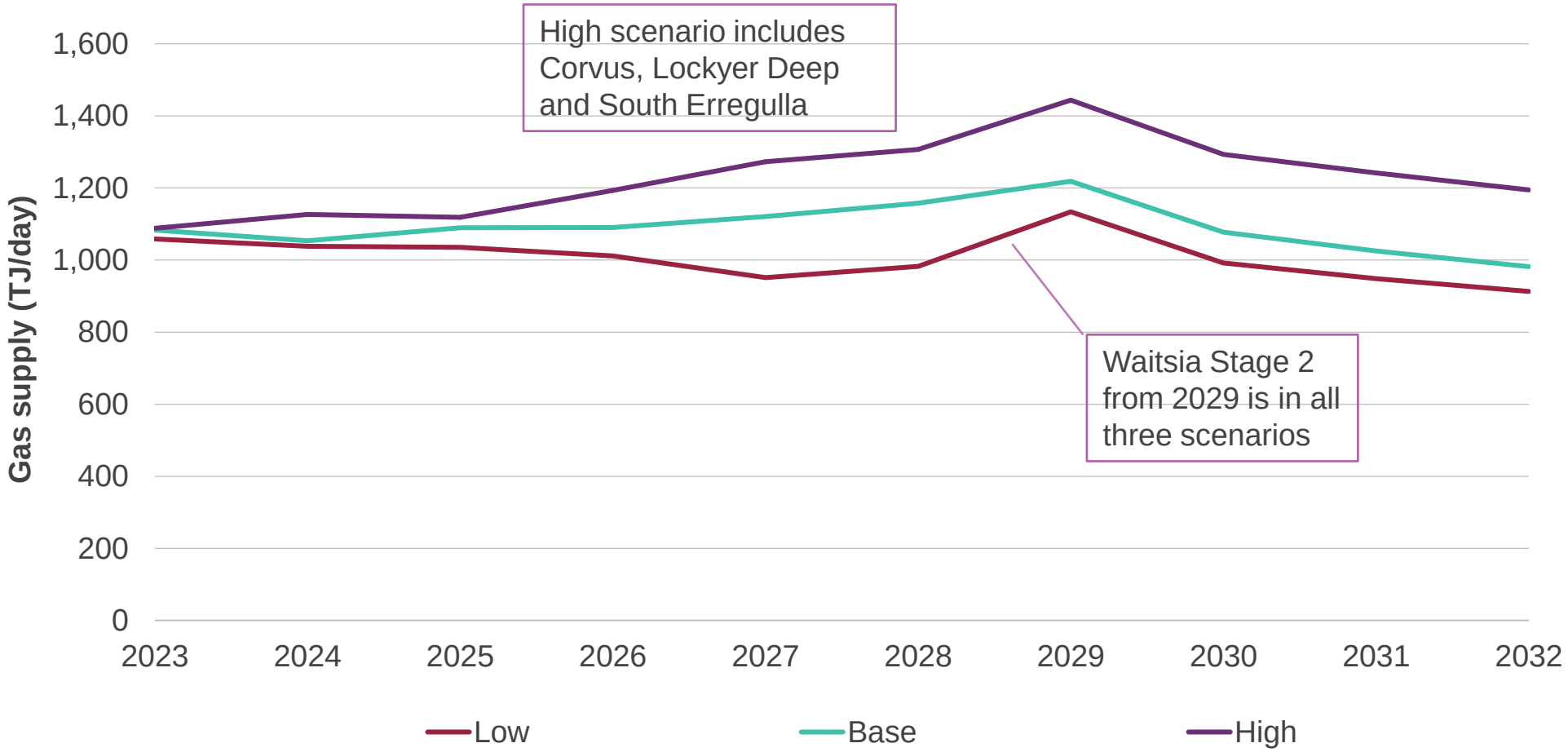
Gas demand forecasts

Base forecast grows at an average annual rate of 1.7% over the outlook period



Potential gas supply forecasts

Base forecast declines at an average annual rate of 1.1% over the outlook period



Potential gas supply options

New supply sources will be required in the longer term

These may include:

- Undeveloped fields such as Lockyer Deep or South Erregulla in the Perth basin
- Expansion of existing facilities, such as Beharra Springs
- Backfill projects at existing facilities, such as Corvus or Kultarr being developed via Varanus Island

Questions and Feedback

Reserve Capacity

wa.capacity@aemo.com.au