



decisions with confidence

PESA Production and Development Year in Review

APPEA Conference May 2023



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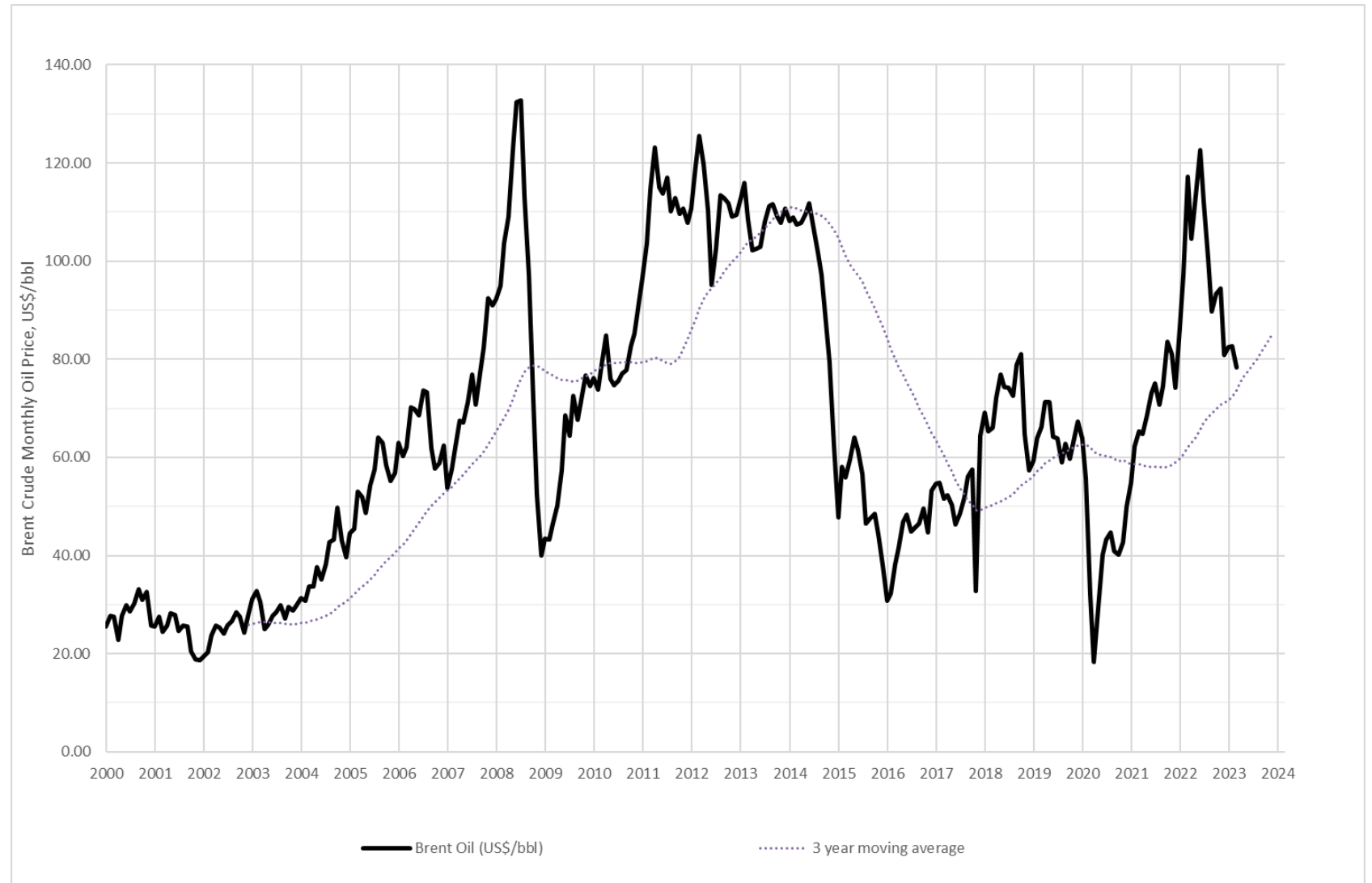
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We acknowledge the support and assistance of GlobalData and their data gathering and compilation, without which this review would not have been possible.

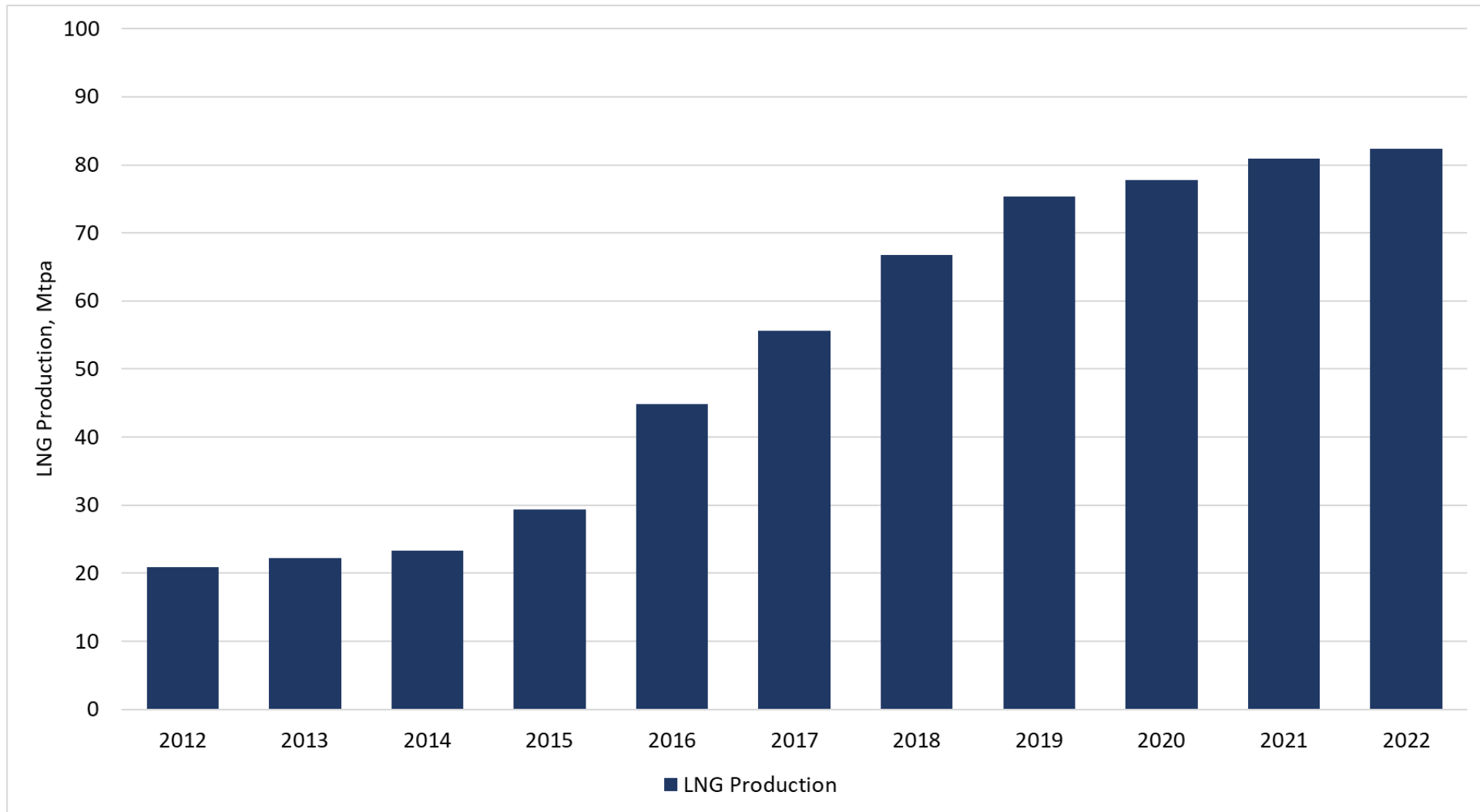
- Production data obtained from GlobalData under licence.
- Production data obtained from AEMO Gas Bulletin Board.
- Emissions data sourced from the Clean Energy Regulator.

Oil price remained high in 2022

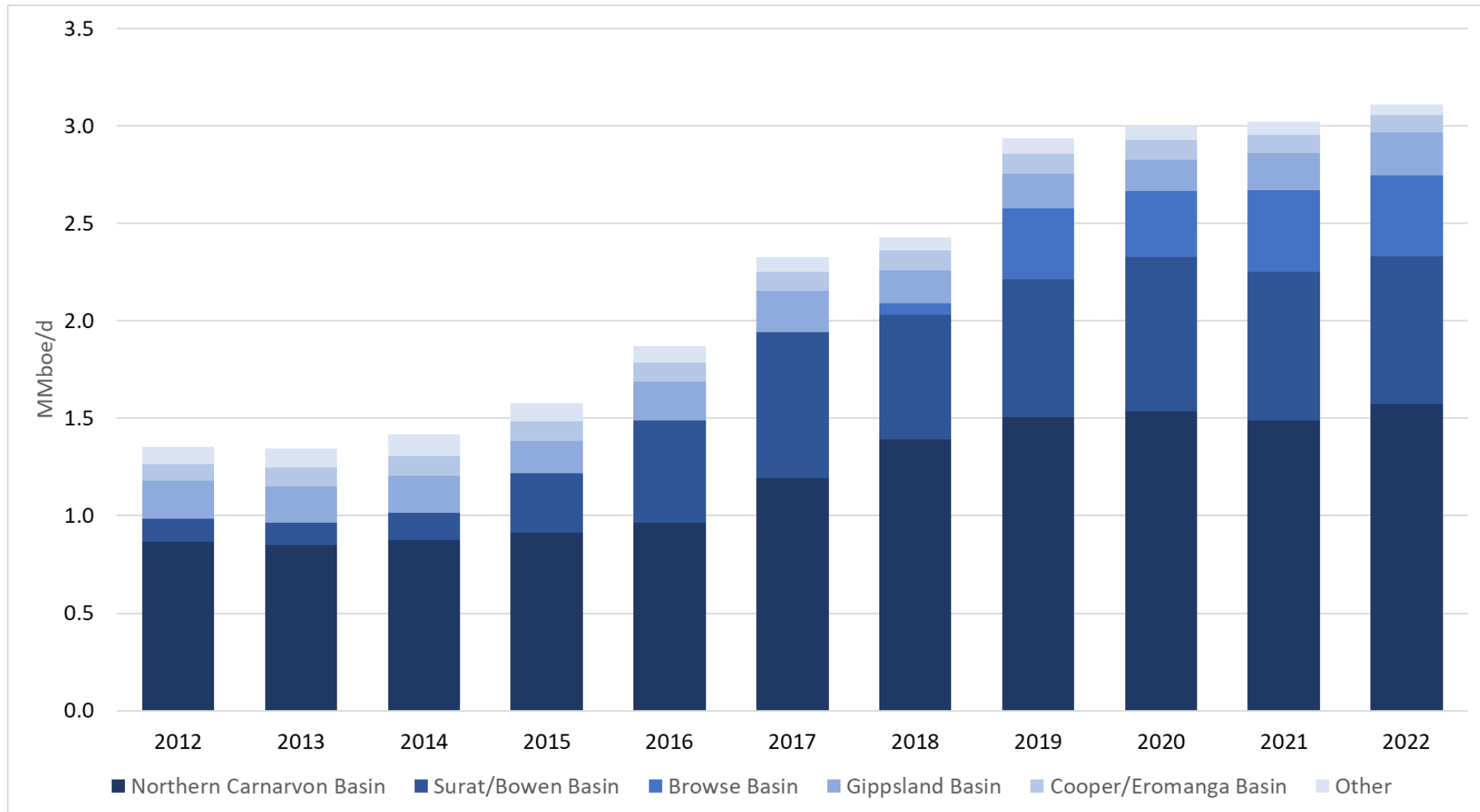
- Invasion of Ukraine in February 2022

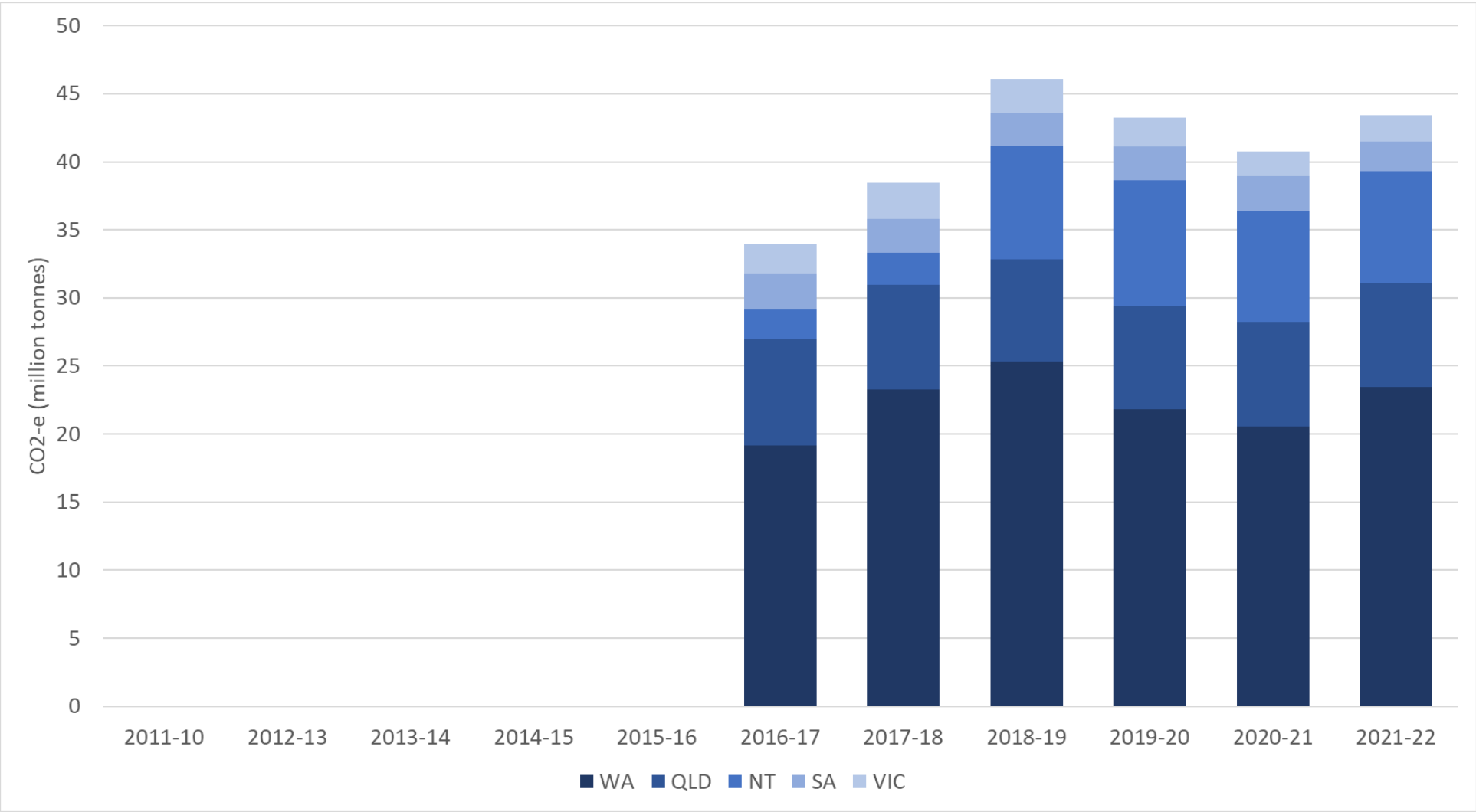


LNG Production broke the 2021 record...just

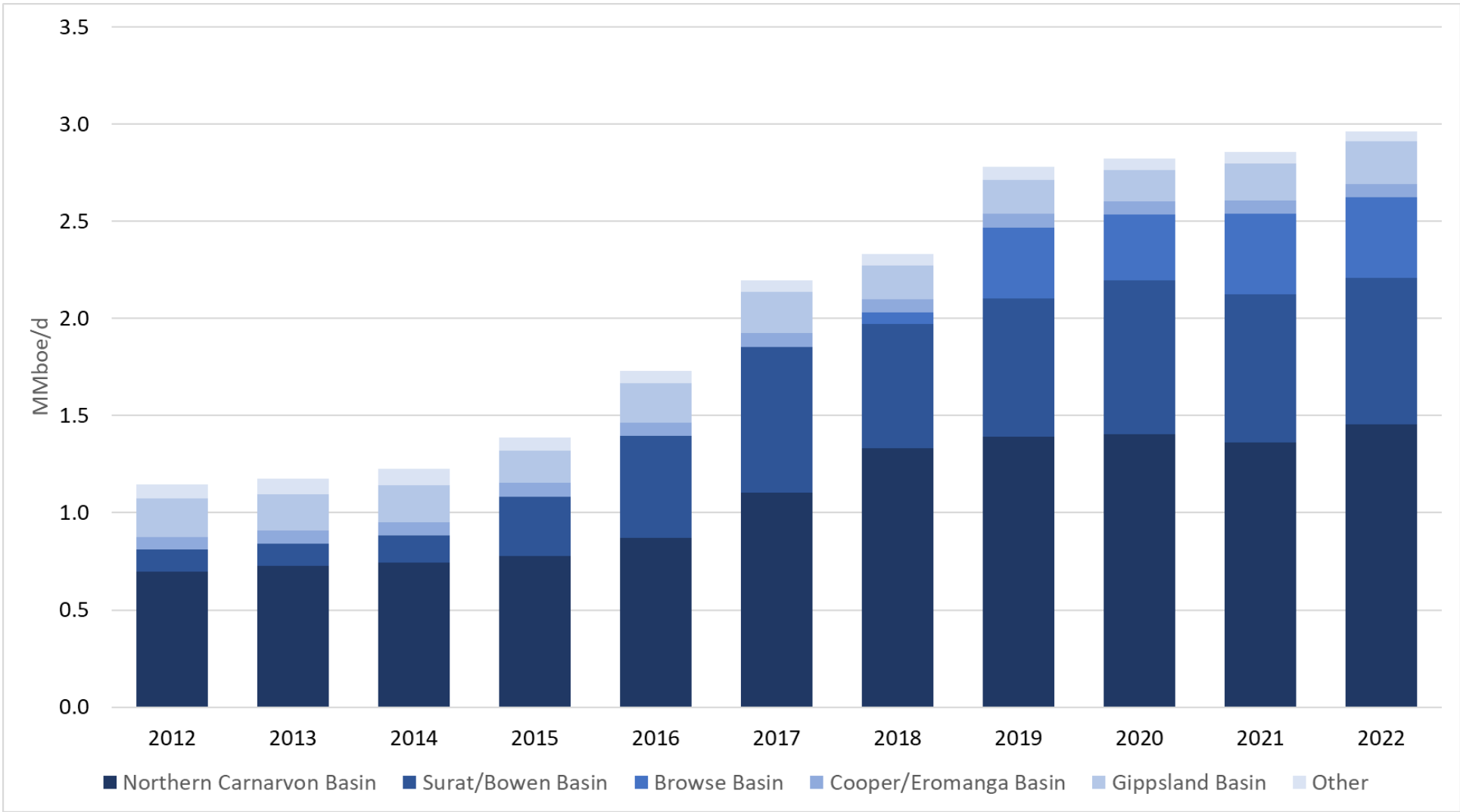


LNG still dominates overall production

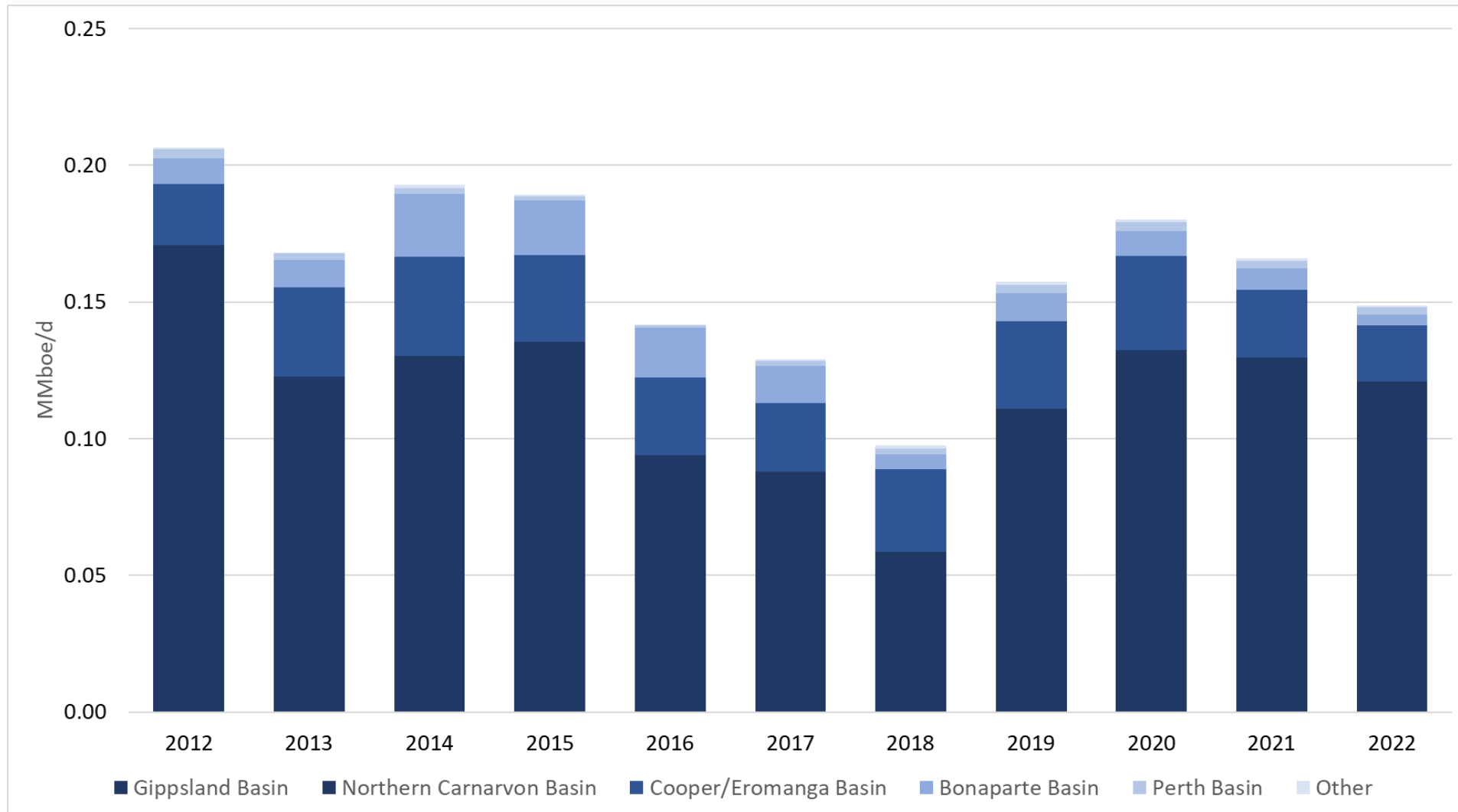


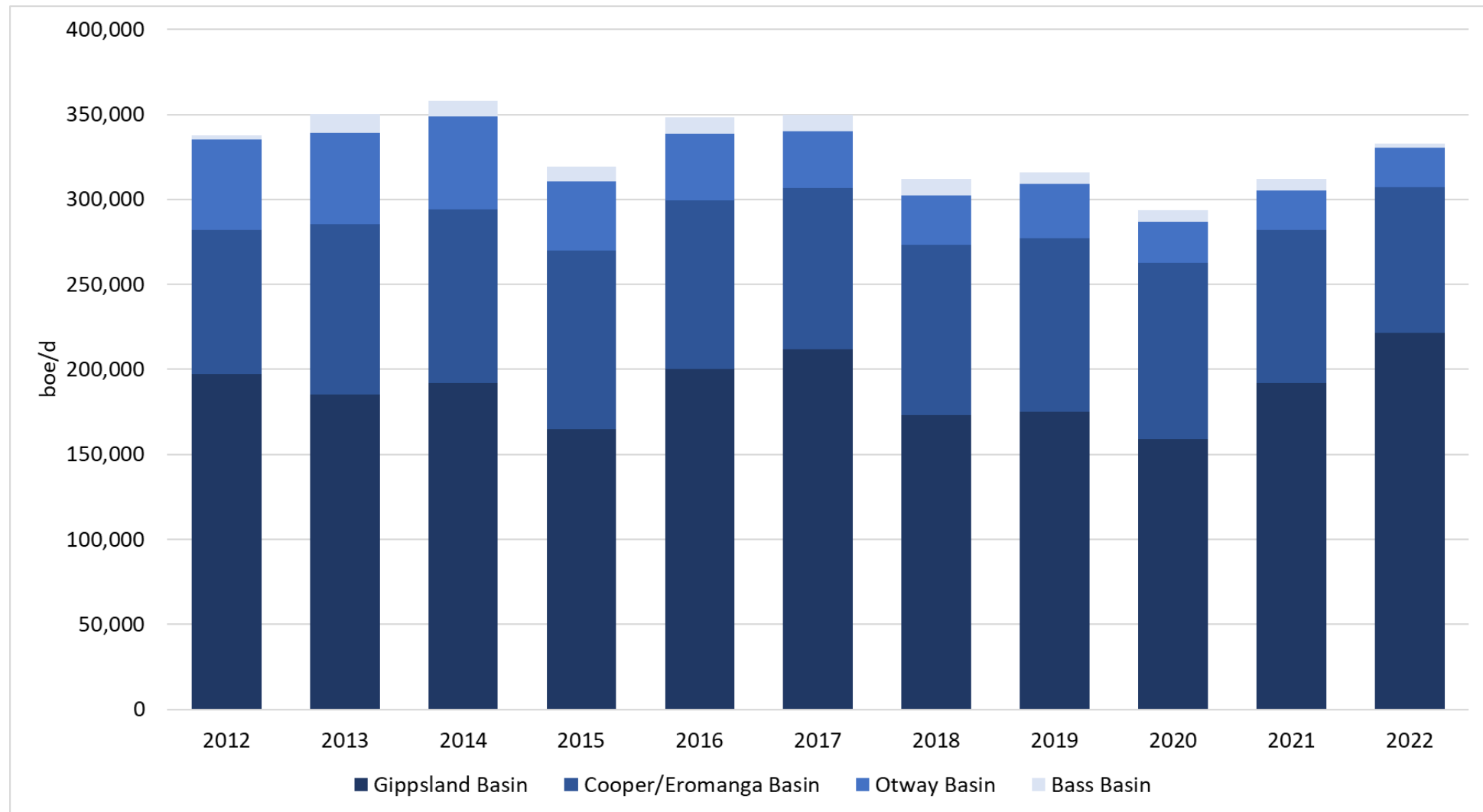


Gas Production still dominates

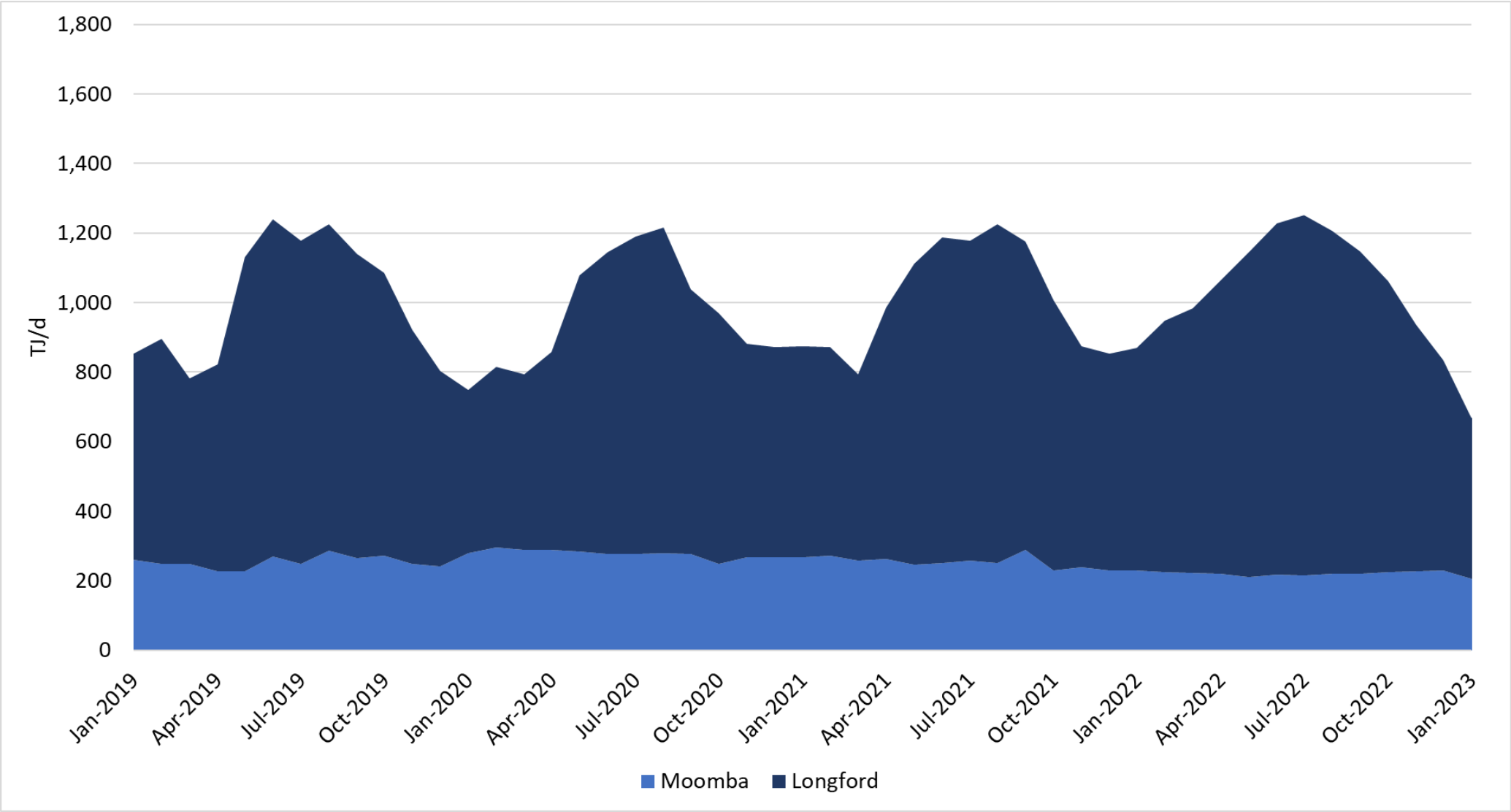


Oil continued its decline

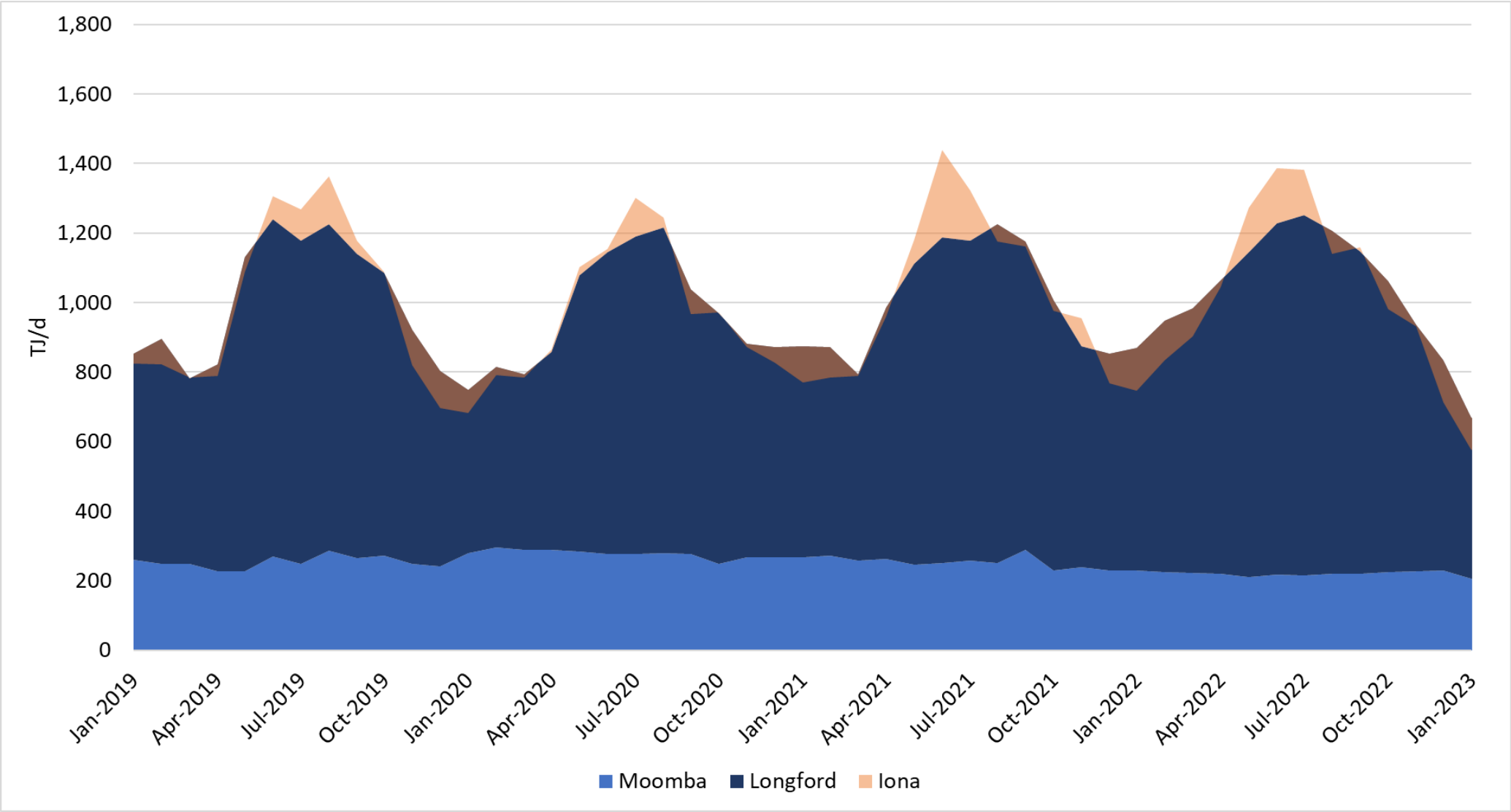




Seasonality of production in the Southeast



Iona storage consumes/injects in summer, produces in winter.



Moomba gas destination is seasonal

In summer Moomba sends gas to QLD

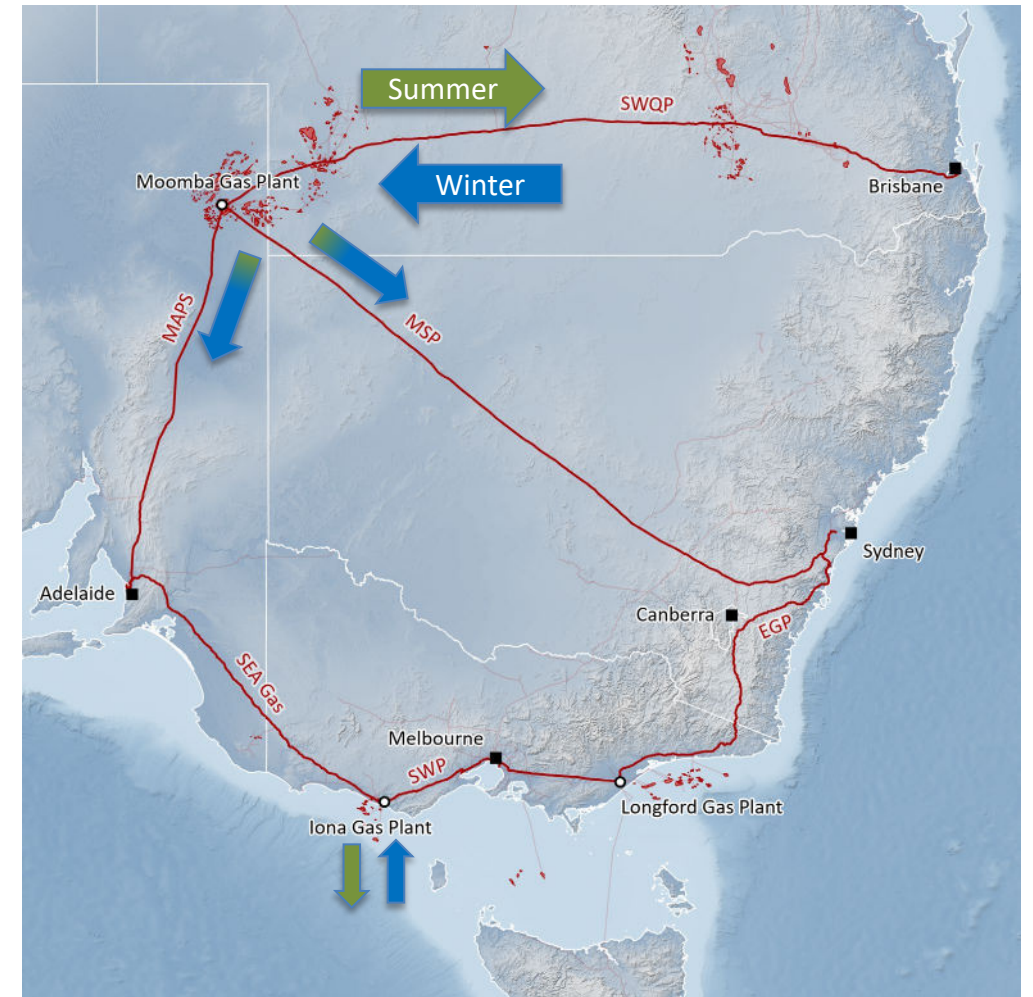
In winter QLD sends gas south via Moomba

Summer

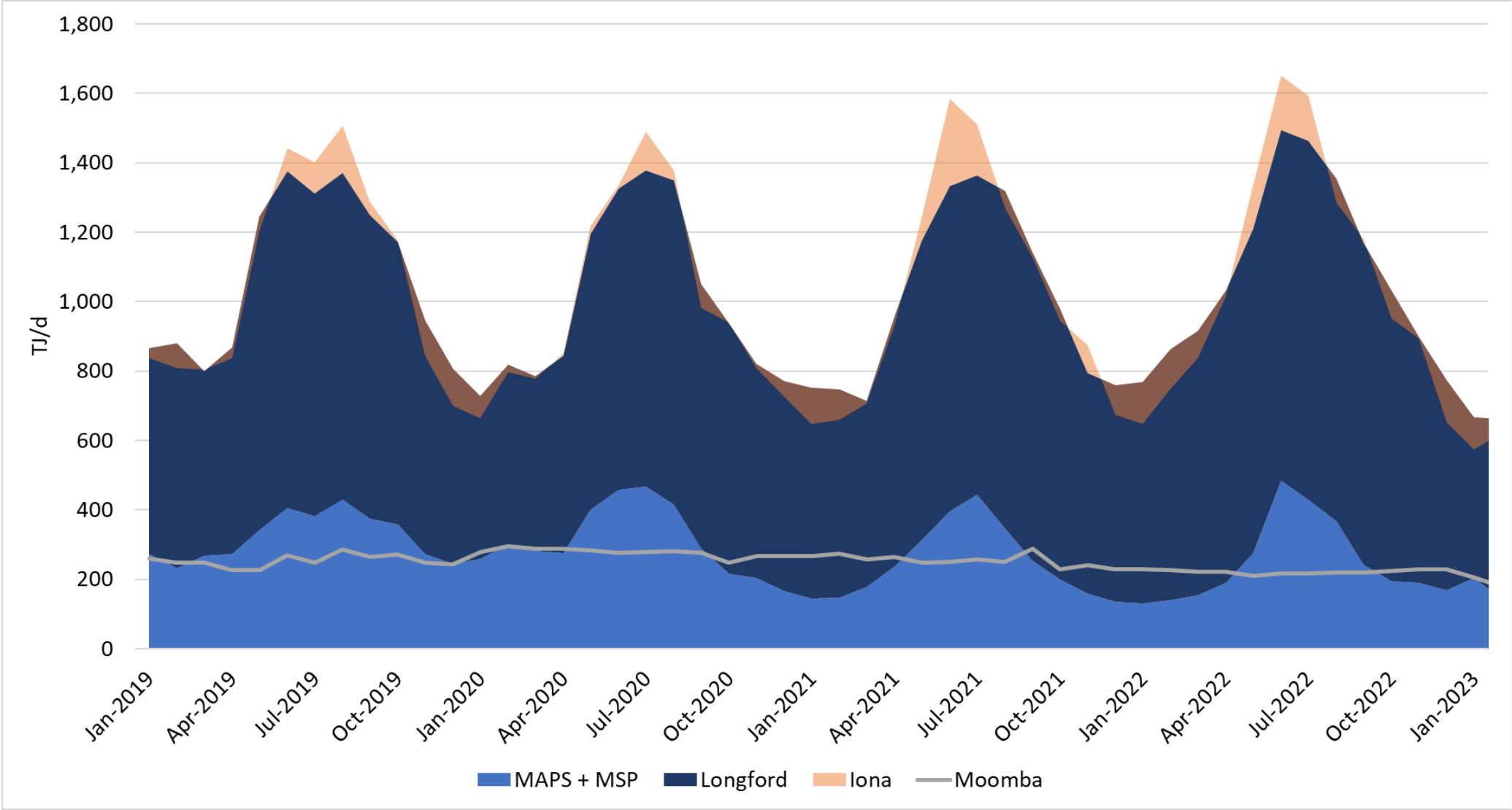
- Moomba sends gas to MAPS, MPS and SWQP

Winter

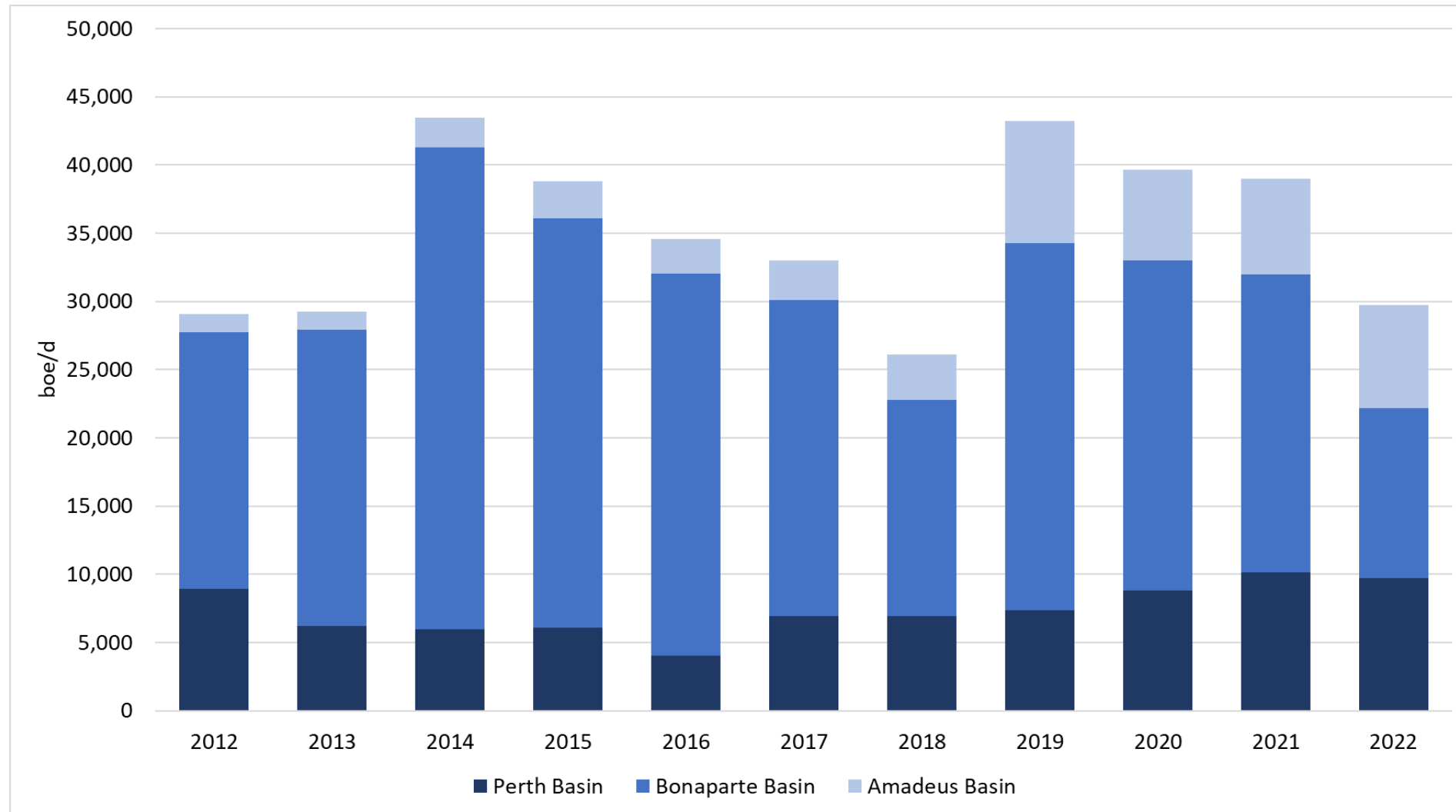
- Moomba sends gas to MAPS and MSP
- GAS from QLD is transferred to the MAPS and MSP via the SWQP



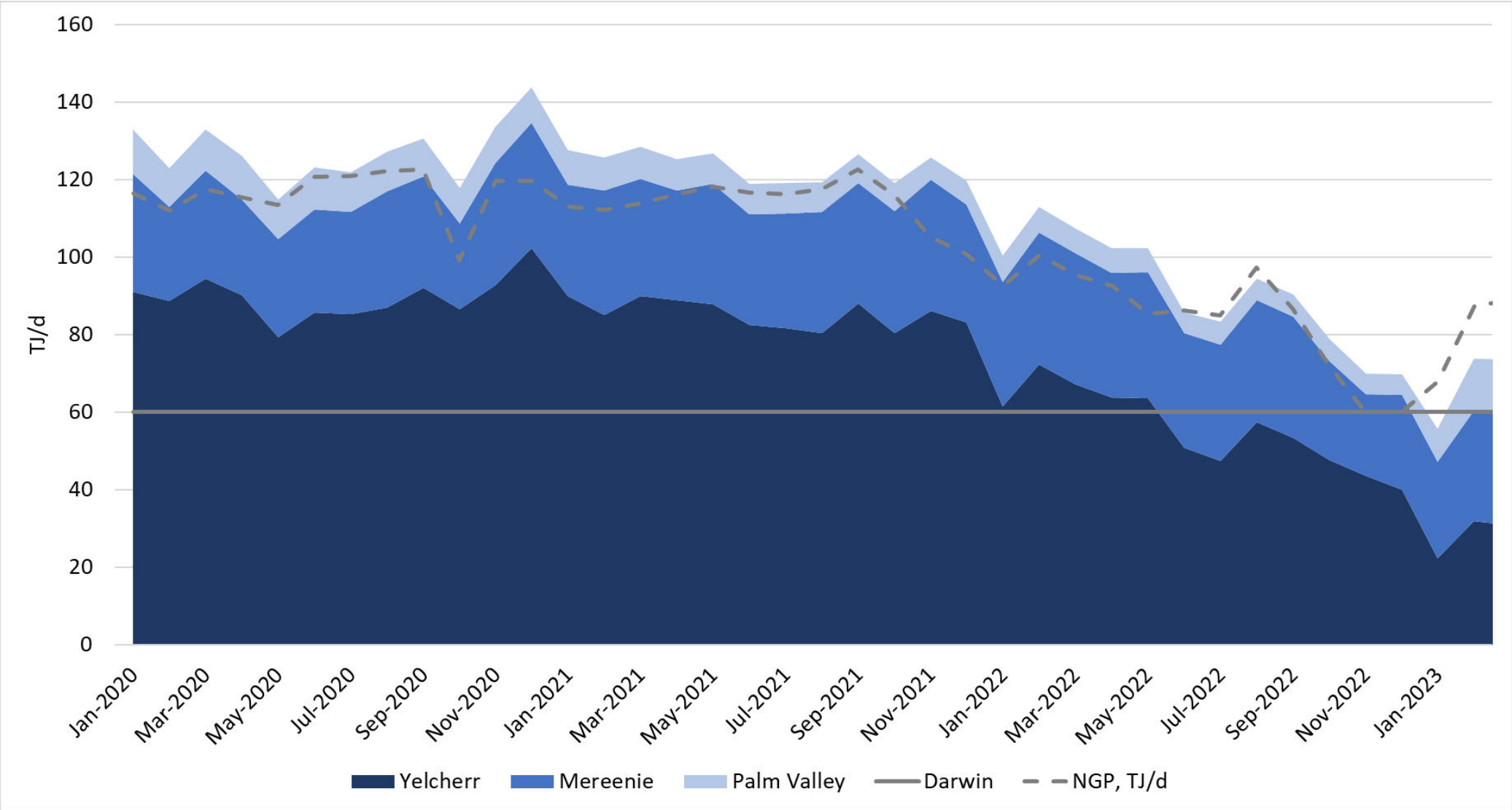
Seasonality of production in Southeast



Smaller Basins – a mixed story



NT Gas Supply situation



Production issues and challenges, and significant project development achievements and issues during 2022



Production:

Several fields faced production interruptions or restrictions during the year:

- Prelude problems persisted with only 5-6 months production over the year.
 - A fire in December 2021 caused facility to remain offline until April 2022.
 - A strike in June caused another shutdown until September.
 - A fire in December 2022 shut the facility until late January 2023.
- Gorgon CCS - pressure management issues continued to reduce injection capacity.
- Blacktip – production decline by ~50% over the year.
- John Brookes – gas leak caused a platform shutdown in November.

- Longford produced more gas in 2022 than in any year in the previous decade
- Cliff Head arranged a new export route through Geraldton in May
- Orbest Gas Plant performance continued to improve. ~45 TJ/d – 55 TJ/d

Project Development:

- March
 - Pluto-KGP Interconnector commissioned.
 - FID on Kipper expansion.
 - Legal challenge to Barossa.
 - Port Kembla Energy Terminal delayed.
- May
 - FID on Crux as backfill to Prelude.
- August
 - Dorado FID delayed (not in 2022).
 - Walyering project FID, targeting start-up in Q1 2023.
- December
 - Clough Group enters administration.

East Coast:

Continued tight supply in the east coast market.

- Gippsland, Otway and Bass basins - efforts will continue to extend the life of existing assets
 - Turrum – Longford
 - Trefoil – Bass Gas
 - Geographe, Thylacine, Enterprise drilling – Otway gas plant
- Cooper Basin – continued drilling program to maintain and grow production
- Bowen-Surat Basin – continued CSG drilling and expansion of upstream activities to keep LNG plants at plateau.
- Infrastructure upgrades to pipelines and storage.

- LNG imports – commercial arrangements?

Northern Territory:

- LNG facilities becoming the only reliable source of supply for Darwin.

- Beetaloo Basin – continued support for activity, but commercial production still a long way off

West Coast:

Domgas:

Discovery and development of low cost gas:

- Delivery of Walyering
- Delivery of Waitsia Stage 2
- Development of West Eregulla
- Understanding of impact of Waitsia and Lockyer Deep drilling
- Understanding the impact of CPG closures.

LNG:

- Delivery of Scarborough
- Opportunities to backfill NWSV
- Backfill of Gorgon



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