

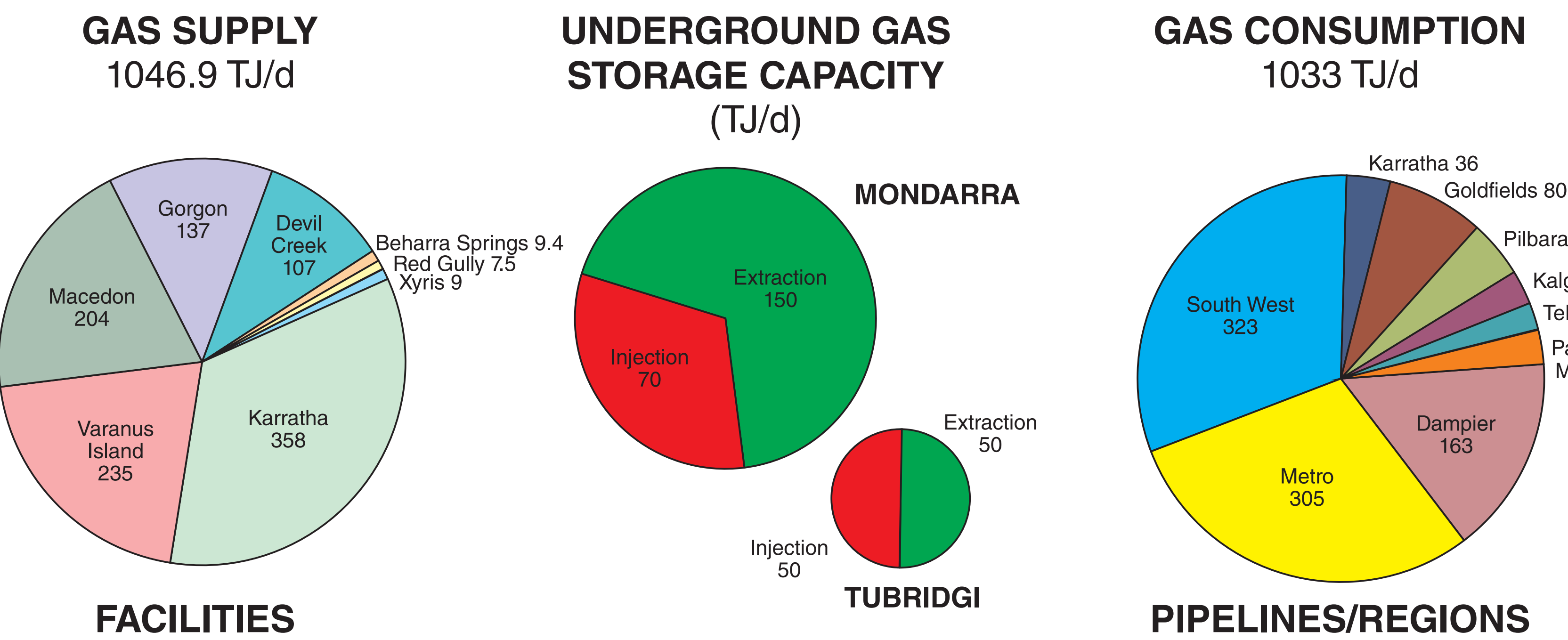
DOMESTIC GAS ANALYSIS

WESTERN AUSTRALIA'S DOMESTIC GAS RESERVATION POLICY

Certain LNG producers are required to make available domestic gas (Domgas) equivalent to 15 per cent of LNG production through:

- Reserving domestic gas equivalent to 15 per cent of LNG production from specific LNG export projects
- Developing and obtaining the necessary infrastructure (including a Domgas plant, associated facilities and offshore pipelines) to meet their Domgas commitment as part of the approval process
- Demonstrating diligent and good faith in marketing gas to the domestic market

AVERAGE GAS SUPPLY AND CONSUMPTION DURING THE LAST SIX MONTHS



DOMESTIC GAS SUPPLY OUTLOOK AND DEMAND FORECAST

GAS SUPPLY

In Western Australia, Domgas demand is currently around 1045 TJ/d.

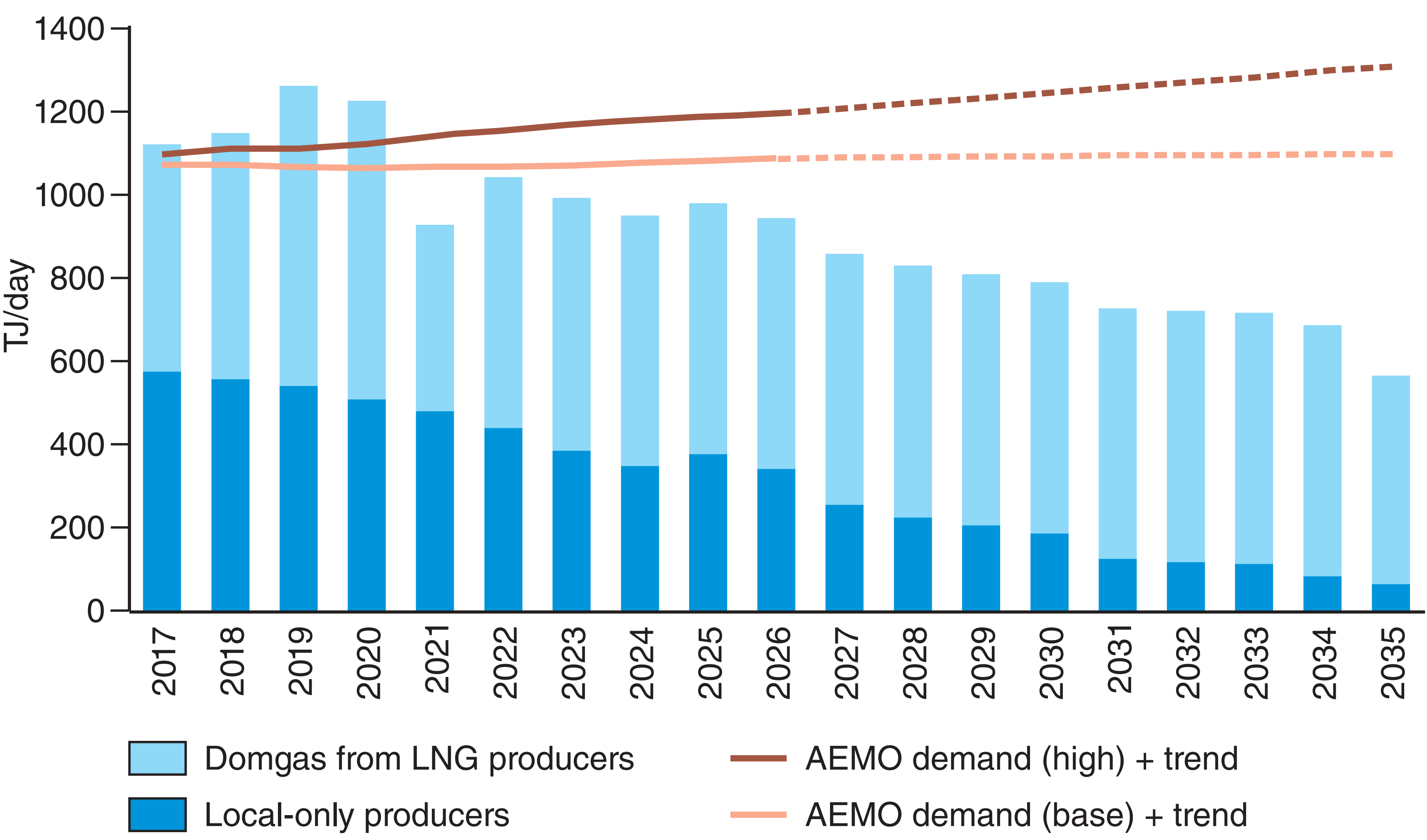
New gas production capacity, being developed or planned, includes:

- Wheatstone: capacity 200 TJ/d – expected late 2018 (under construction)
- Gorgon: capacity 300 TJ/d – flagged for 2021 (has been producing 137 TJ/d since 2016)

Supply from the North West Shelf project is expected to be depleted by the end of 2020 when the last long term domestic supply contract expires. It is desirable for the State to replace North West Shelf gas with gas from other projects to meet the Domgas demand.

PROCESSING INFRASTRUCTURE

The majority of WA's domestic gas supply is sourced from the Carnarvon Basin and is primarily controlled by Woodside, Quadrant and BHP Billiton. The 15 per cent gas reservation policy will mean Chevron's role in Domgas supply will increase significantly. Domgas processing capacity will increase by 500 TJ/d from the current capacity once supply from Gorgon and Wheatstone come on stream.



UNDERGROUND GAS STORAGE

Mondarra and Tubridgi are commercial underground gas storage facilities in Western Australia. Mondarra has the capability to inject gas at 70 TJ/d and withdraw gas at 150 TJ/d. Tubridgi has the capability of gas injection and extraction with a nominal capacity of up to 50 TJ/d.

WAITSIA GAS PROJECT

The proposed full field development comprises approximately 20 wells over an area of 50 km² and is expected to deliver up to 100 TJ/d. Waitsia may produce gas for the domestic market for at least the next 20 years.

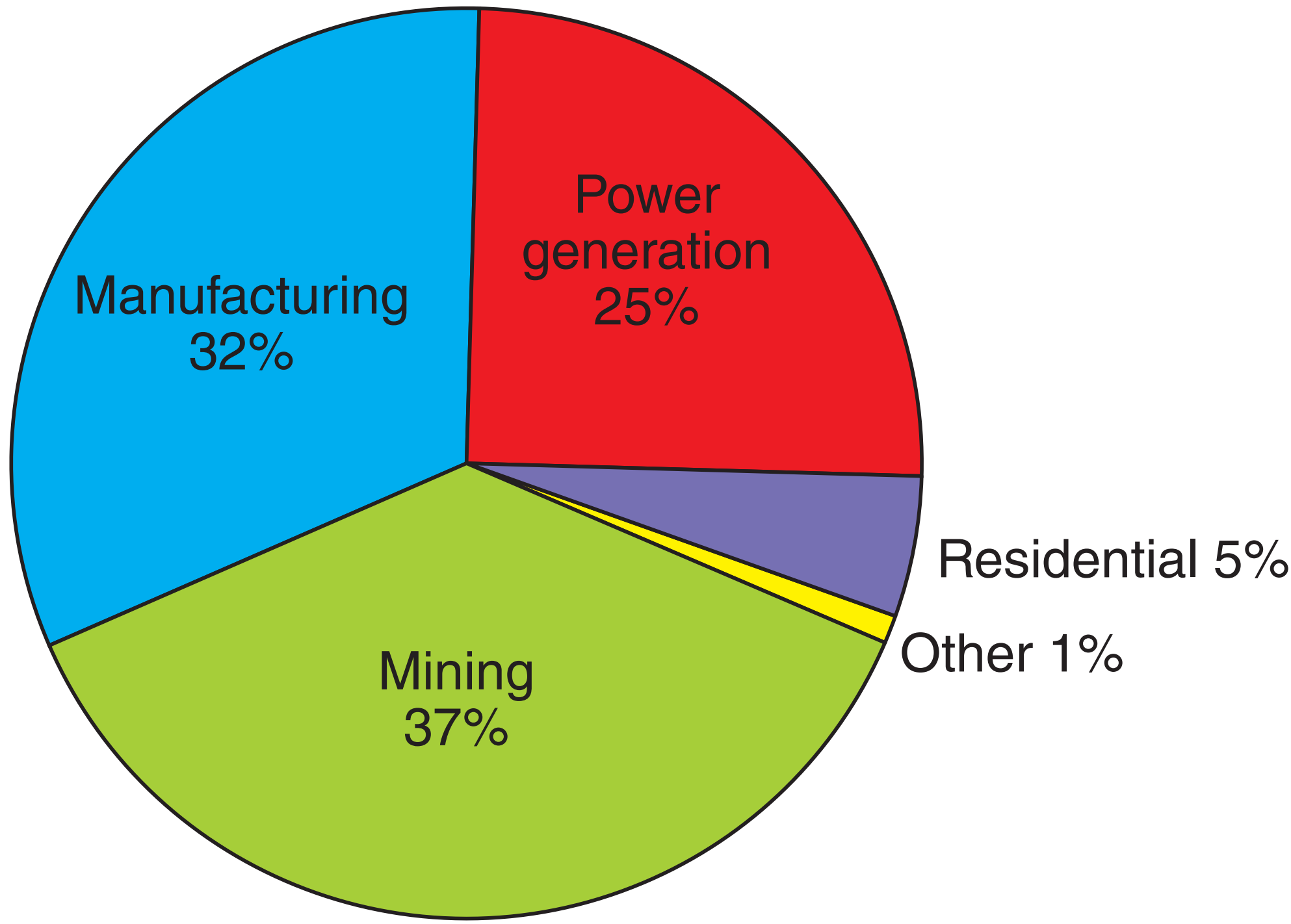
DOMESTIC GAS PROCESSING CAPACITY

Basin	Facilities	Operator	Average production (TJ/d)	Processing capacity (TJ/d)
Carnarvon	Karratha Gas Plant	Woodside	358	630
	Varanus Island	Quadrant	215	390
	Devil Creek	Quadrant	107	220
	Macedon	BHP Billiton	204	200
	Wheatstone	Chevron	Expected 2018	200
	Gorgon	Chevron	137	300
Perth	Xyris	AWE	9	11
	Red Gully	Empire	7.5	10
	Beharra Springs	Origin Energy	9.4	25
Total			1046.9	1986

GAS PIPELINES SPECIFICATION IN WESTERN AUSTRALIA

Component	Units	WA Standard	Parmelia Pipeline	Goldfields Gas Pipeline	Dampier–Bunbury Natural Gas Pipeline
Maximum total inert gases	mol %	7.0	7.0	7.0	7.0
Maximum CO ₂	mol %	4.0	4.0	4.0	4.0
Minimum higher heating value	MJ/sm ³	35.1	35.1	35.1	37.0
Maximum higher heating value	MJ/sm ³	42.0	42.0	42.0	42.3
Minimum Wobbe Index		46.0	46.0	46.0	46.5
Maximum Wobbe Index		52.0	52.0	52.0	51.0
Maximum total sulfur					
Unodourised gas	mg/sm ³	10.0	10.0	10.0	10.0
Odourised gas	mg/sm ³	20.0	20.0		20.0
Maximum hydrogen sulfide	mg/sm ³	2.0	4.6	5.0	2.0
Maximum oxygen	mol %	0.2	0.2	0.2	0.2
Maximum water	mg/sm ³	48.0	100.0	48.0	48.0
Hydrocarbon dewpoint over pressure 2.5 to 8.72 MPa	0.0°C	below 0.0°C	below 10°C	below 0.0°C	below 0.0°C

GAS DISTRIBUTION IN THE WESTERN AUSTRALIAN MARKET



COMPARISON OF THE WESTERN AUSTRALIAN GAS PRICE WITH NATIONAL AND INTERNATIONAL MARKETS

