

# Appendix A6. Tasmania

July 2025

Appendix to the 2025 Enhanced Locational  
Information Report





**We acknowledge the Traditional Custodians of the land, seas and waters across Australia. We honour the wisdom of Aboriginal and Torres Strait Islander Elders past and present and embrace future generations.**

**We acknowledge that, wherever we work, we do so on Aboriginal and Torres Strait Islander lands. We pay respect to the world's oldest continuing culture and First Nations peoples' deep and continuing connection to Country; and hope that our work can benefit both people and Country.**

'Journey of unity: AEMO's Reconciliation Path' by Lani Balzan

AEMO Group is proud to have launched its first [Reconciliation Action Plan](#) in May 2024. 'Journey of unity: AEMO's Reconciliation Path' was created by Wiradjuri artist Lani Balzan to visually narrate our ongoing journey towards reconciliation - a collaborative endeavour that honours First Nations cultures, fosters mutual understanding, and paves the way for a brighter, more inclusive future.

## Important notice

### Purpose

This report has been published to implement the Energy Security Board (ESB) 'enhanced information' transmission access reforms. The report is intended to support more informed investment and decision-making processes in the National Electricity Market, by collating public metrics and indicators that represent important locational characteristics of the power system. This report includes only publicly available information from existing AEMO, industry, and stakeholder publications.

AEMO publishes this *Enhanced Locational Information (ELI) Report* pursuant to its functions in section 49(2)(c) of the National Electricity Law. This publication is generally based on information available to AEMO as at 1 April 2025, unless otherwise indicated.

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### Version control

Version	Release date	Changes
1.0	09/07/2025	Initial release.



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## A6.1 Introduction

This appendix provides detailed locational indicators and metrics for Tasmania. This appendix contains the following information:

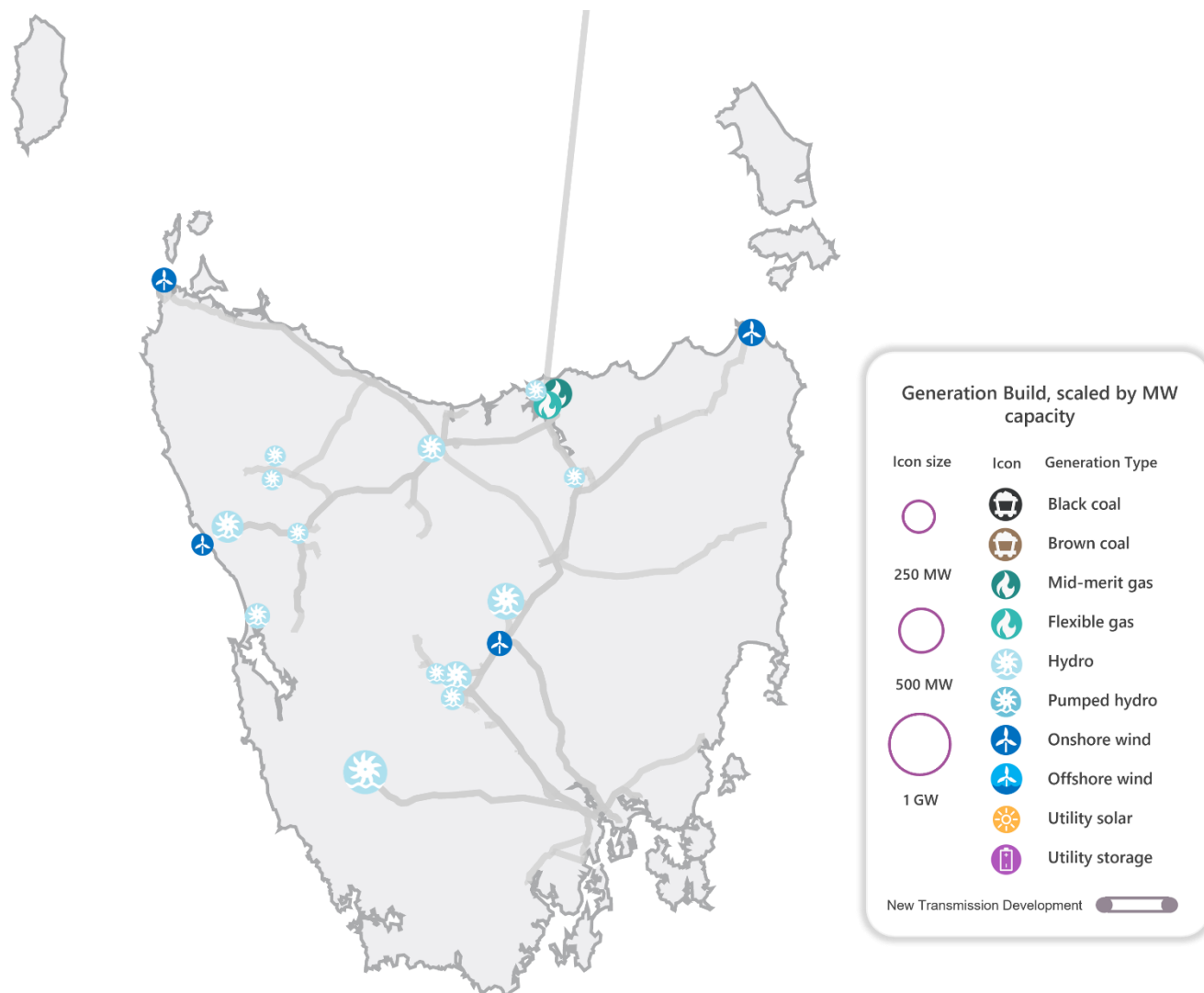
- The generation and storage capacity and annual generation energy production across Tasmania under the 2024 ISP *Step Change* projected build in 2024 (actual annual production) and 2025, 2030, and 2040 (Section A6.1).
- An overview map of the Tasmania region and associated REZs (Section A6.1)
- Detailed locational indicators and metrics for each REZ within Tasmania (Sections A6.4 to A6.8).

This appendix uses existing sources of publicly available information, including the Final 2024 ISP.

## A6.2 Projected generation build

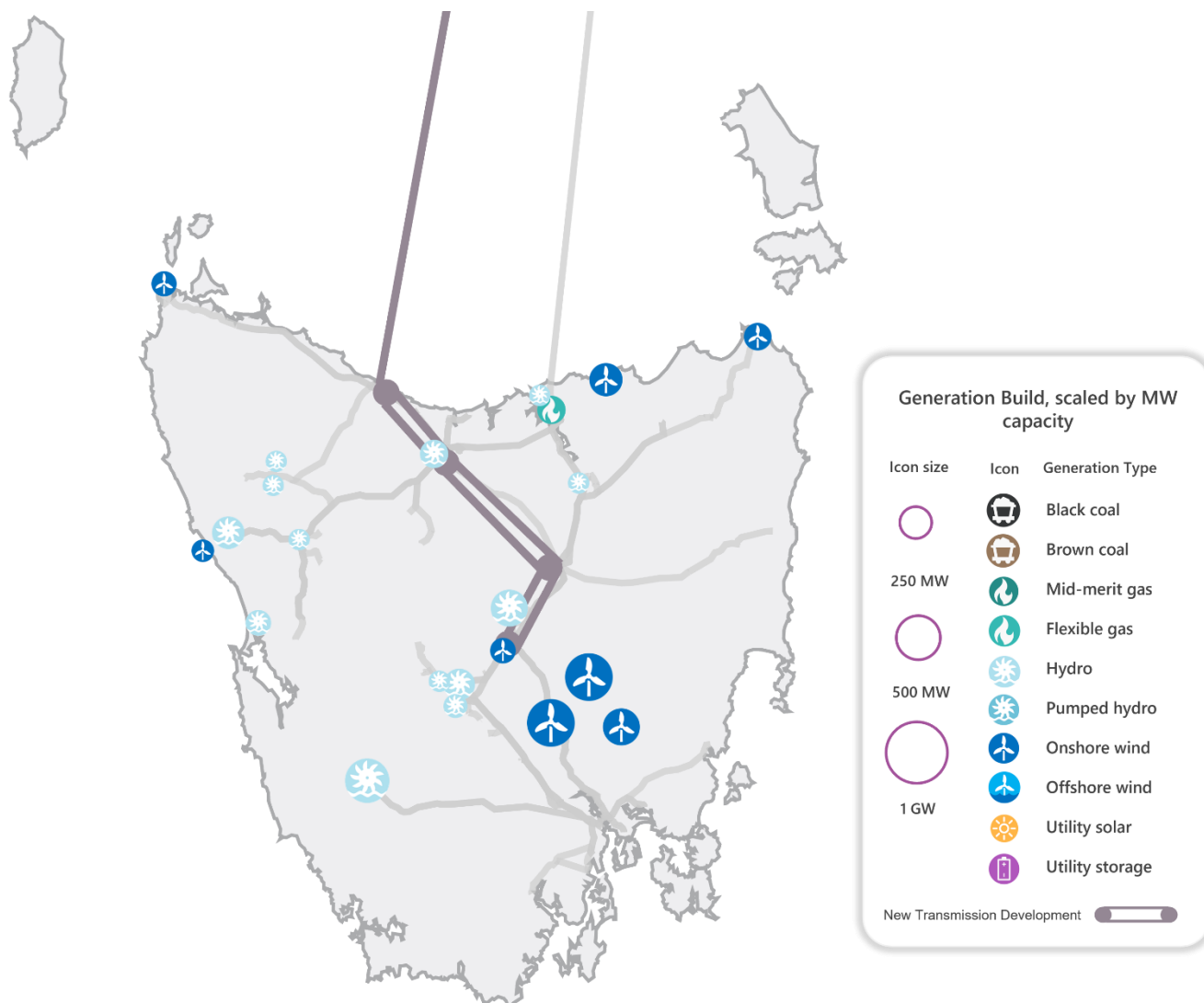
**Figure 1 to Figure 6** show the generation and storage capacity and annual generation energy production across Tasmania under the 2024 ISP *Step Change* projected build in 2024 (actual annual production) and 2025, 2030, and 2040<sup>1</sup>.

**Figure 1** Projected generation capacity (MW) and across Tasmania, under the 2024 ISP *Step Change* projected build, 2025



<sup>1</sup> Units smaller than 50 MW have been omitted from the capacity map, and those smaller than 125 GWh annually have been omitted from the energy production maps. Icon sizes do not represent area of land usage. Icon locations have been arranged for visual clarity. ISP projects have been placed within their relevant ISP sub-region or REZ but do not represent specific anticipated connection points.

**Figure 2** Projected generation capacity (MW) and across Tasmania, under the 2024 ISP Step Change projected build, 2030



**Figure 3** Projected generation capacity (MW) and across Tasmania, under the 2024 ISP Step Change projected build, 2040

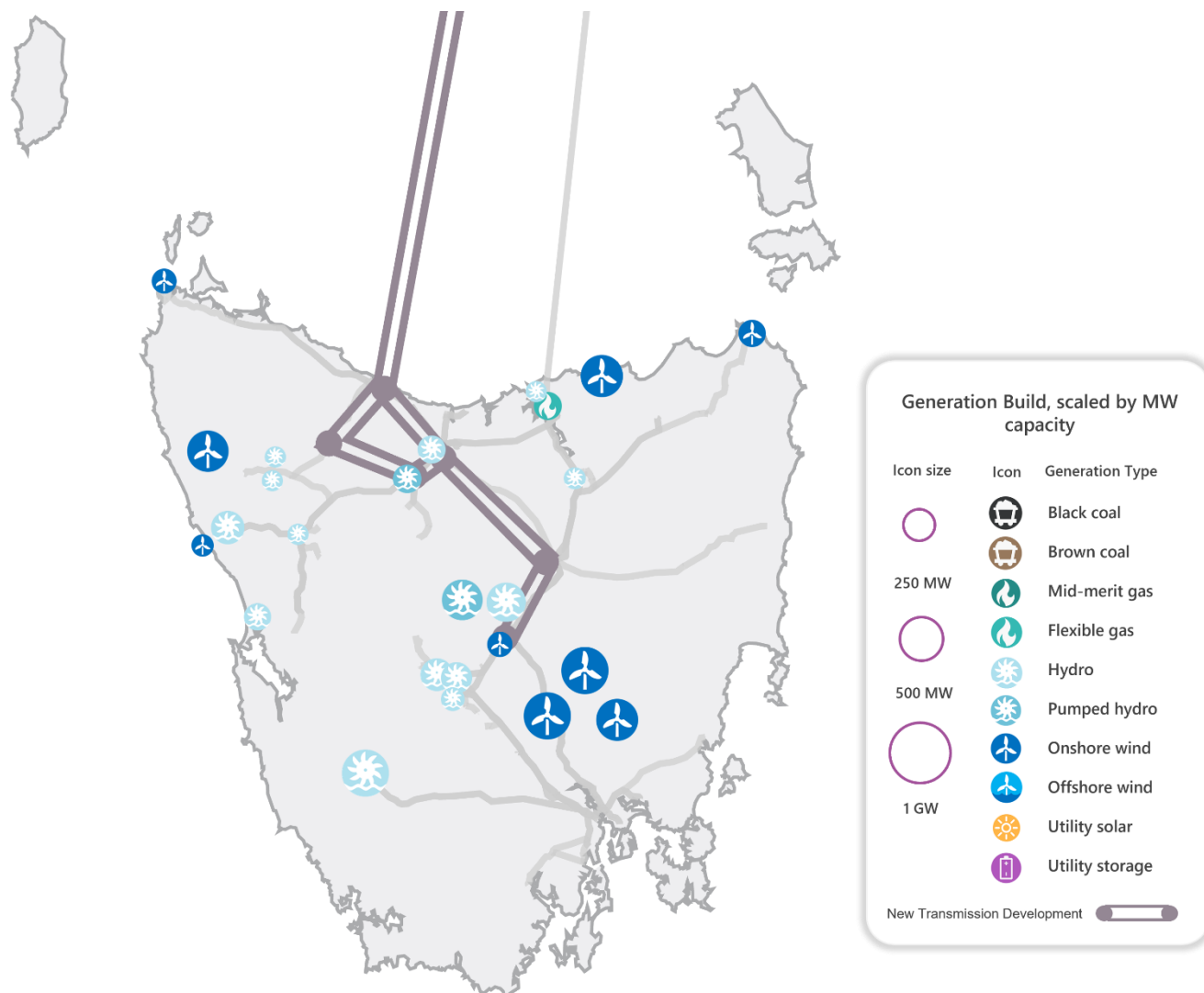
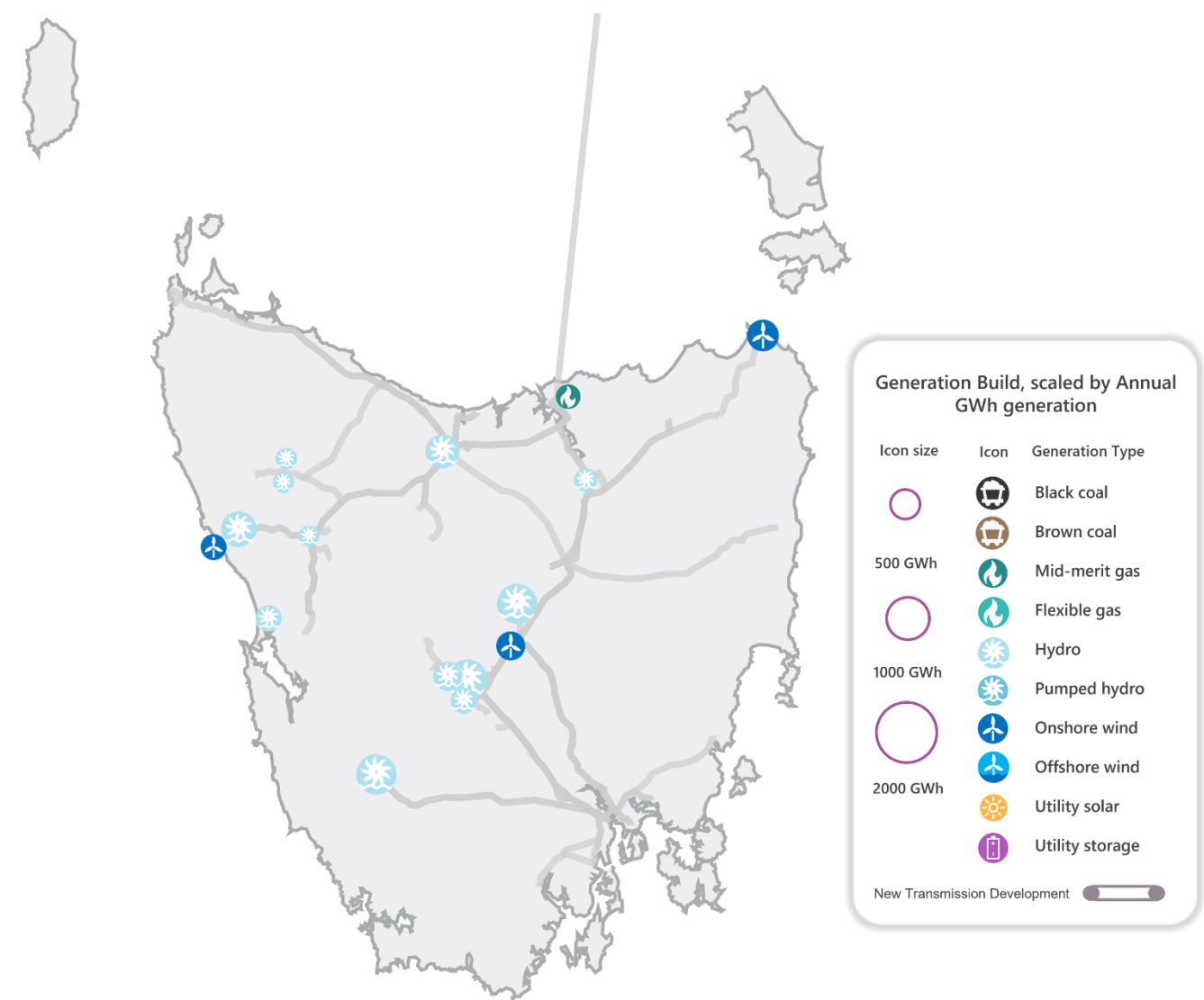


Figure 4 Annual generation energy production (MWh) across Tasmania, 2024



Note: This figure makes use of historical calendar year generation data and is hence presented for the year 2024. All other build figures make use of the 2024 ISP *Step Change* projected build.



Figure 5 Projected annual generation energy production (MWh) across Tasmania, under the 2024 ISP Step Change projected build, 2030

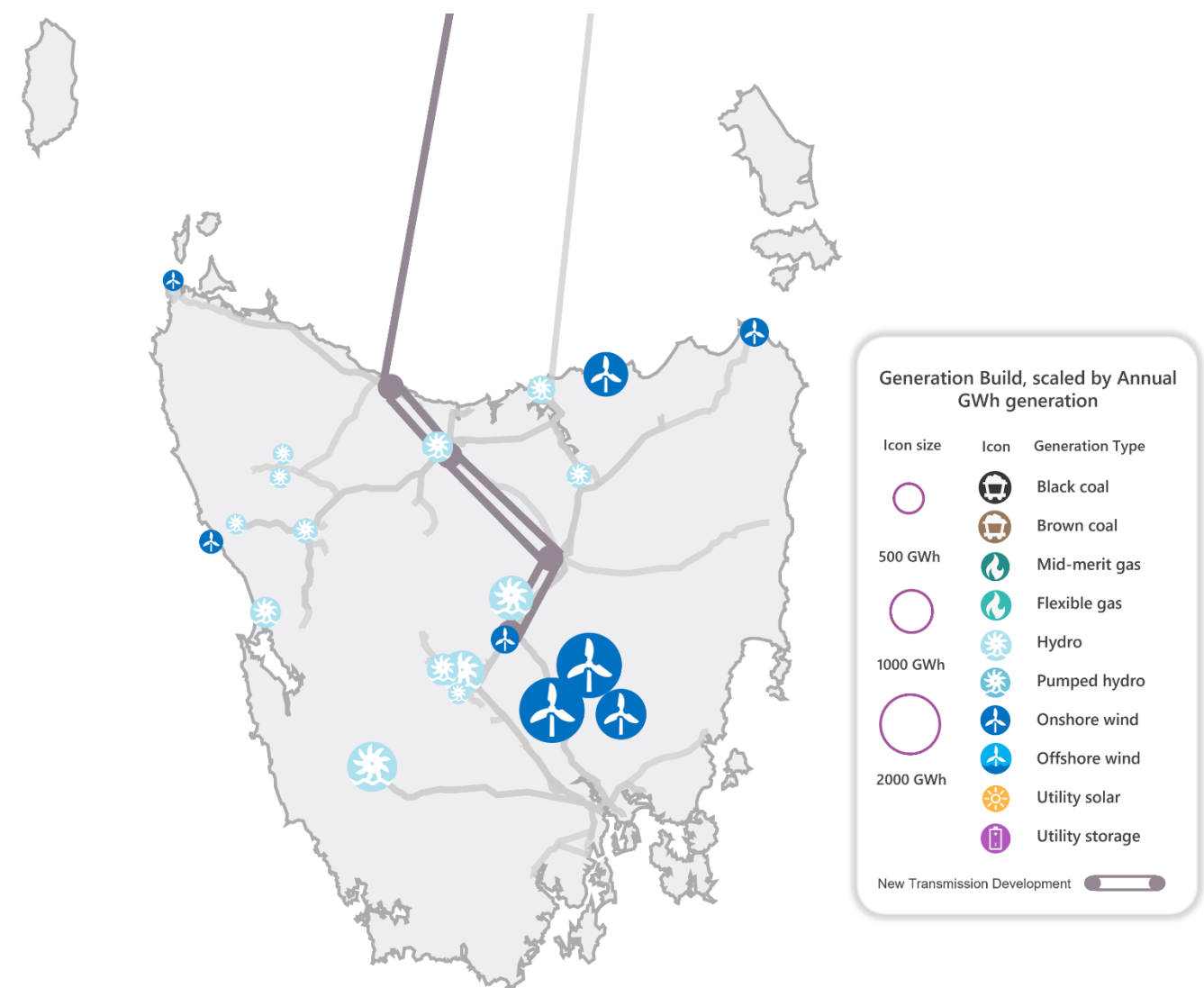
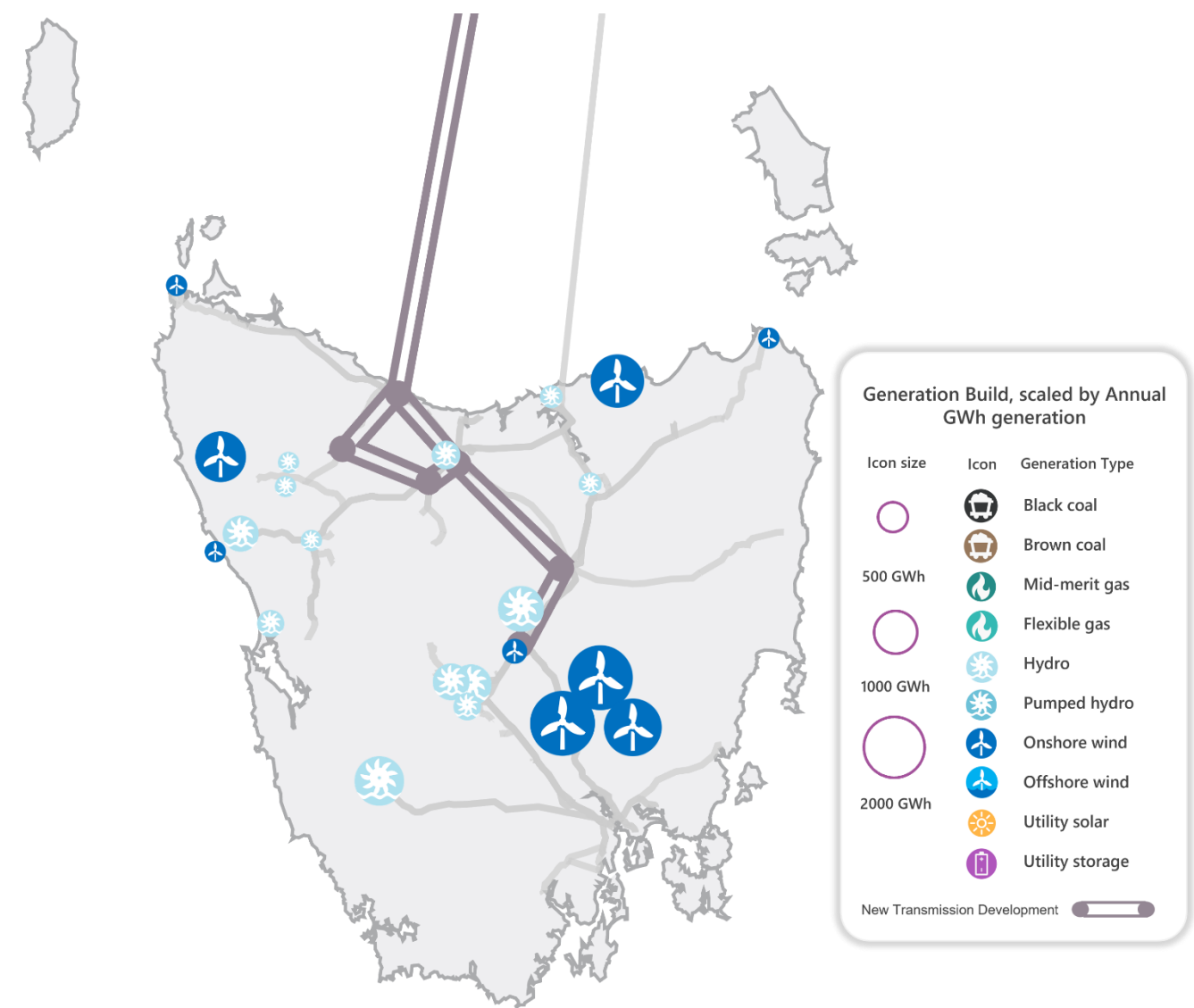


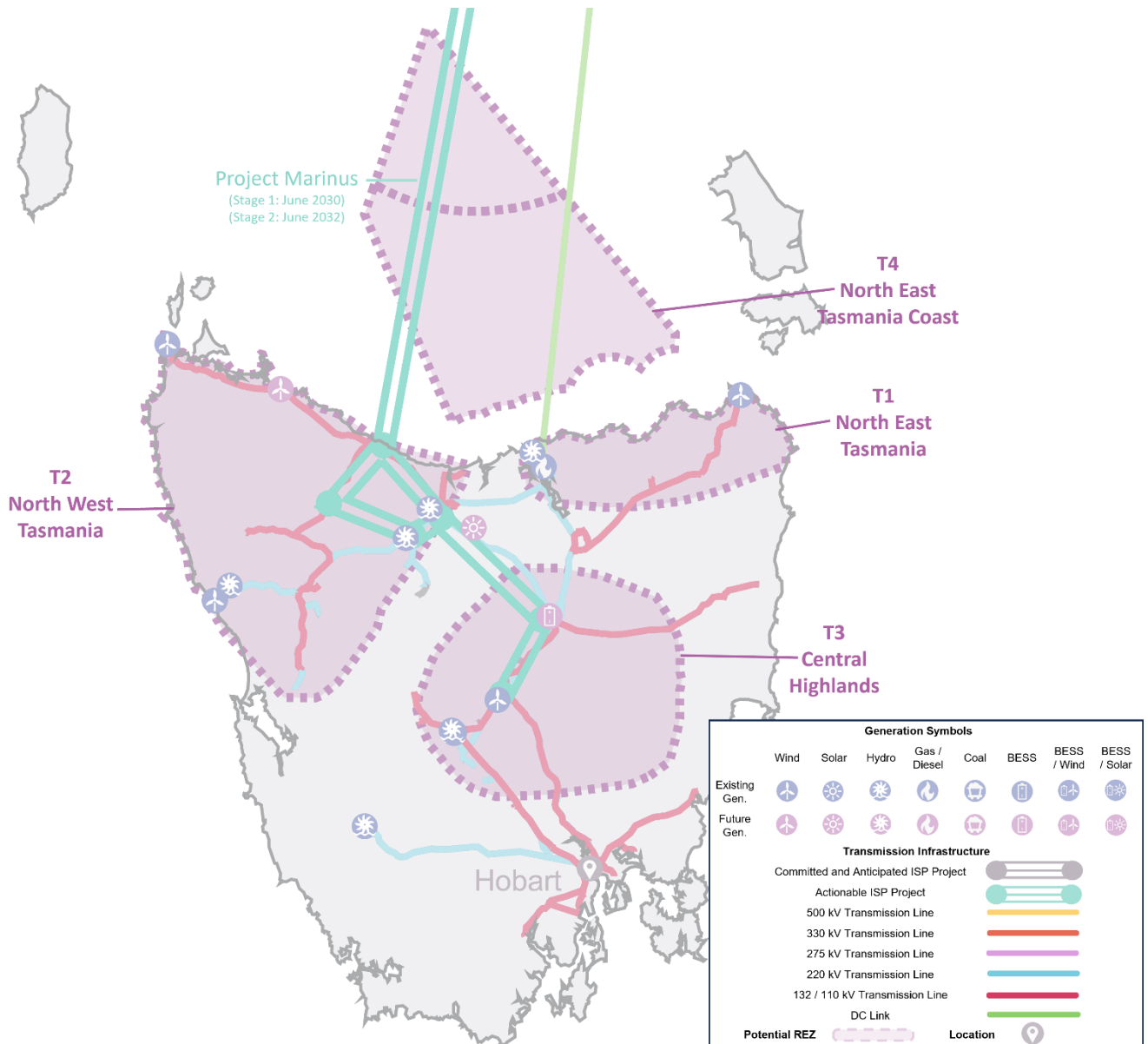
Figure 6 Projected annual generation energy production (MWh) across Tasmania, under the 2024 ISP Step Change projected build, 2040



## A6.3 REZs overview

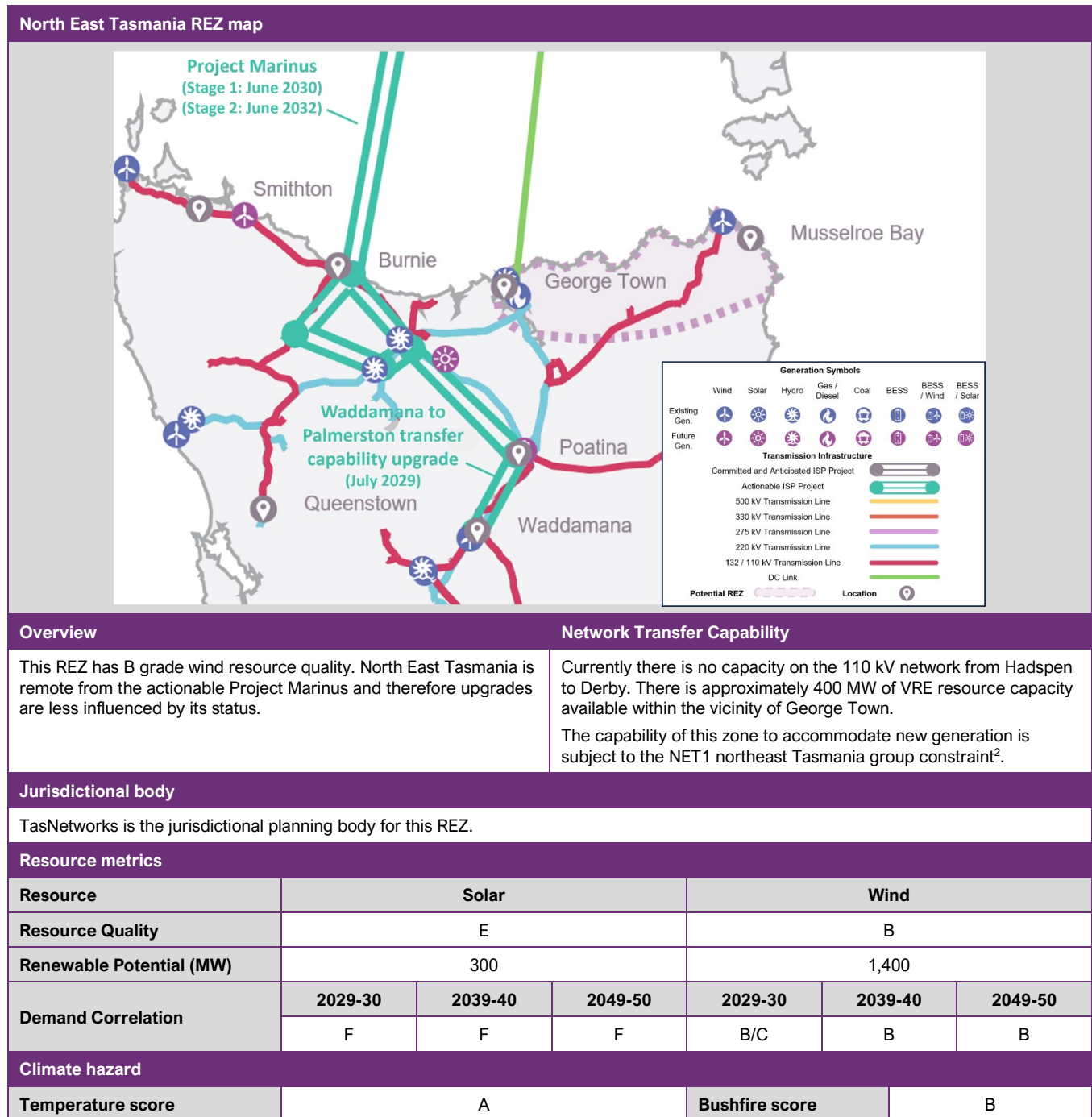
The following sections of this appendix provides detailed locational indicators and metrics for each REZ within Tasmania. **Figure 7** shows an overview map of the Tasmania region and associated REZs. Appendix A2 provides a guide to interpreting the REZ scorecards presented throughout the remainder of this appendix.

**Figure 7 Overview of Tasmania region and REZs**



## A6.4 T1 – North East Tasmania

### REZ information



<sup>2</sup> Additional augmentation is required in North East Tasmania when the combination of generation in T1 and T4 is greater than 1,600 MW in the 2024 ISP.

## Marginal loss factors

Marginal Loss Factor			
Technology	Voltage (kV)	2025-26 MLF	
-	-	-	
Marginal Loss Factor Robustness			
MLF Robustness score	2029-30	2034-35	2039-40
	A	A	A

## Congestion and curtailment

Congestion information – calendar year 2024			
Constraint ID	Binding hours	Marginal value (\$)	Most affected generation
T^V_NIL_9	56.8	32,291.9	Generation contributing to northward flow on Basslink
T^V_NIL_BL_6	55.8	30,915.7	Generation contributing to northward flow on Basslink
T>T_NIL_110_1	282.9	839,950.4	Generation contributing to flow from Derby to Scottsdale Tee 110 kV
T>T_NIL_BL_IMP_5FF	2.0	199,611.2	Generation contributing to flow from Hadsphen to Georgetown No. 2 220 kV on trip of the Hadsphen – Georgetown No. 1 220 kV line
V^T_NIL_9	69.8	47,031.1	Generation contributing to southward flow on Basslink

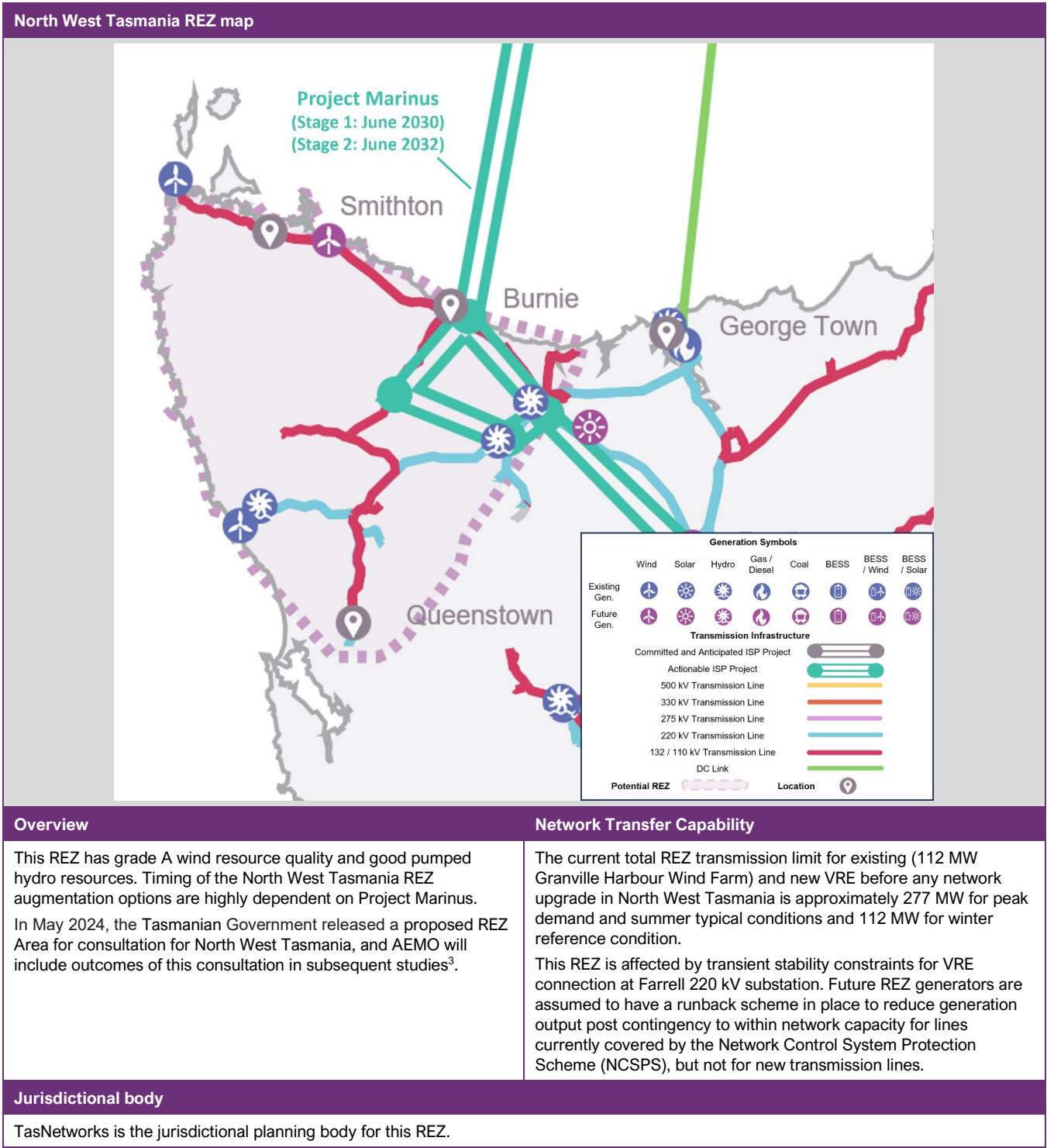
VRE semi-scheduled curtailment – calendar year 2024						
DUID	Generator name		Maximum Capacity (MW)	Average curtailment (%)	Average curtailment (MW)	Curtailment (MWh)
-	-		-	-	-	-
Historical hosting capacity indicator for 20% network spill threshold						
DUID	Generator name		HHCI Wind (MW)	HHCI Wind + BESS (MW)	HHCI Solar (MW)	HHCI Solar + BESS (MW)
-	-		-	-	-	-
VRE curtailment – ISP forecast						
Scenario	2025-2026		2026-2027		2027-2028	
	Curtailment (%)	Economic offloading (%)	Curtailment (%)	Economic offloading (%)	Curtailment (%)	Economic offloading (%)
Step Change	0	0	0	2	0	2

ISP forecast



A6.5 T2 – North West Tasmania

REZ information



<sup>3</sup> See <https://www.renewableenergyzones.tas.gov.au/>.

Resource metrics						
Resource	Solar			Wind		
Resource Quality	F			A		
Renewable Potential (MW)	150			5,000		
Demand Correlation	2029-30	2039-40	2049-50	2029-30	2039-40	2049-50
	F	F	F	B	B	A
Climate hazard						
Temperature score	A			Bushfire score	A	

### Marginal loss factors

Marginal Loss Factor			
Technology	Voltage (kV)	2025-26 MLF	
Wind	220	0.9555	
Marginal Loss Factor Robustness			
MLF Robustness score	2029-30	2034-35	2039-40
	E	B	B

### Congestion and curtailment

Congestion information – calendar year 2024			
Constraint ID	Binding hours	Marginal value (\$)	Most affected generation
T::T_NIL_1	637.6	311,416.9	Generation contributing to flow from Farrell to Sheffield 220 kV
T::T_NIL_3	21.3	15,240.1	Generation contributing to flow from Sheffield to Palmerston 220 kV

VRE semi-scheduled curtailment – calendar year 2024						
DUID	Generator name		Maximum Capacity (MW)	Average curtailment (%)	Average curtailment (MW)	Curtailment (MWh)
GRANWF1	Granville Harbour Wind Farm		111	0.1	0.0	367
Historical hosting capacity indicator for 20% network spill threshold <sup>4</sup>						
DUID	Generator name		HHCI Wind (MW)	HHCI Wind + BESS (MW)	HHCI Solar (MW)	HHCI Solar + BESS (MW)
GRANWF1	Granville Harbour Wind Farm		300	300	300	300
VRE curtailment – ISP forecast						
Scenario	2025-2026		2026-2027		2027-2028	
	Curtailment (%)	Economic offloading (%)	Curtailment (%)	Economic offloading (%)	Curtailment (%)	Economic offloading (%)
<i>Step Change</i>	0	0	0	2	0	2

<sup>4</sup> The maximum hosting capacity was set to 300 MW for these studies. See Appendix A2.5 for the detailed methodology and see 2025 ELI Report chart data for information on the reference generation profiles used in this analysis.

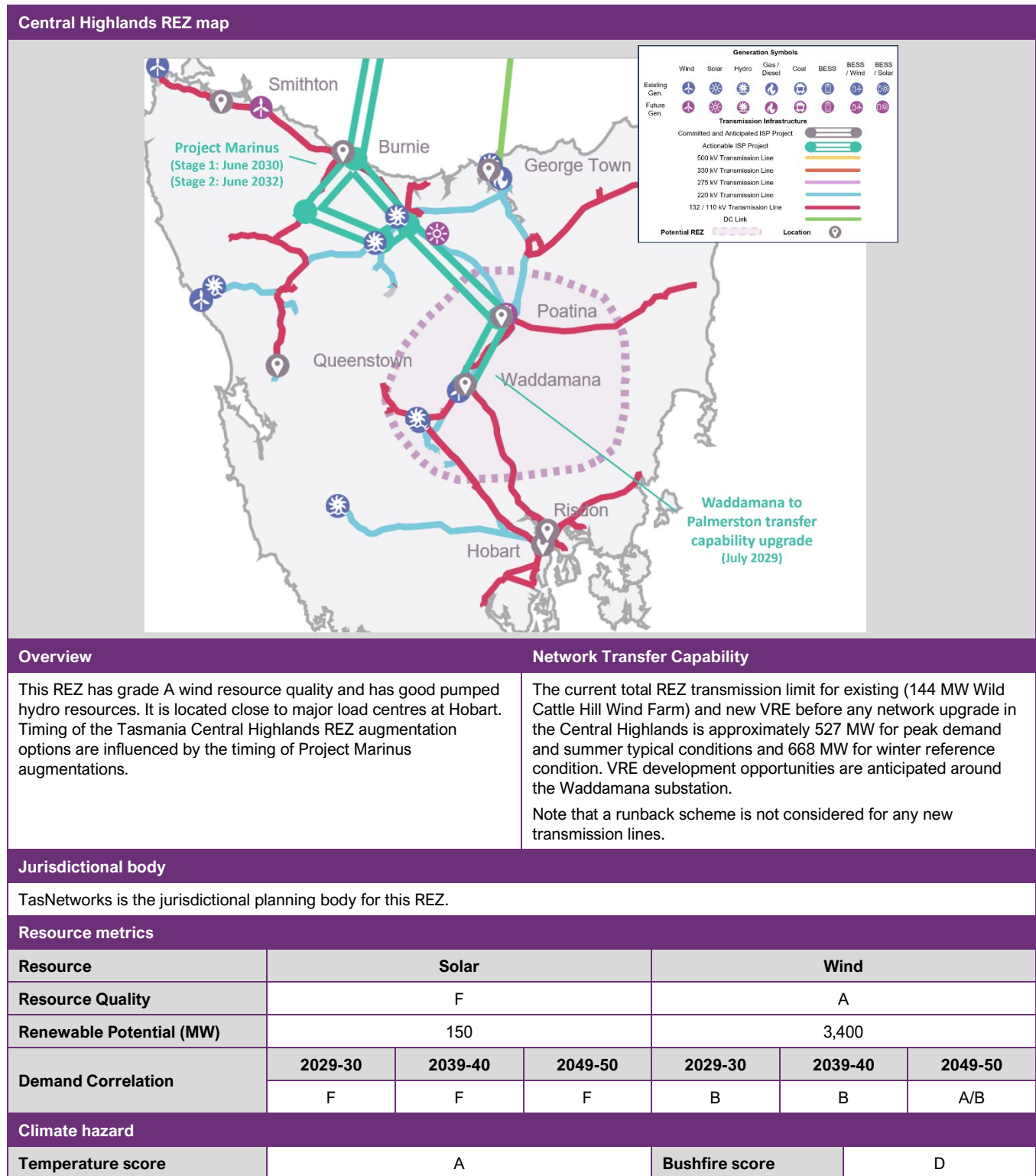


ISP forecast



## A6.6 T3 – Central Highlands

### REZ information



## Marginal loss factors

Marginal Loss Factor			
Technology	Voltage (kV)	2025-26 MLF	
Wind	220	0.9924	
Marginal Loss Factor Robustness			
MLF Robustness score	2029-30	2034-35	2039-40
	B	B	B

## Congestion and curtailment

Congestion information – calendar year 2024			
Constraint ID	Binding hours	Marginal value (\$)	Most affected generation
T::T_NIL_3	21.3	15,240.1	Generation contributing to flow from Sheffield to Palmerston 220 kV
T^T_NIL_BL_6	3.6	96,669.8	Generation in Southern Tasmania
T>T_NIL_BL_IMP_3FF	0.4	60,267.2	Generation contributing to flow from Palmerston to Hadspen No. 2 220 kV on trip of the Palmerston – Hadspen No. 1 220 kV line

VRE semi-scheduled curtailment – calendar year 2024						
DUID	Generator name		Maximum Capacity (MW)	Average curtailment (%)	Average curtailment (MW)	Curtailment (MWh)
CTHLWF1	Cattle Hill Wind Farm		144	0.0	0.0	159
Historical hosting capacity indicator for 20% network spill threshold <sup>5</sup>						
DUID	Generator name		HHCI Wind (MW)	HHCI Wind + BESS (MW)	HHCI Solar (MW)	HHCI Solar + BESS (MW)
CTHLWF1	Cattle Hill Wind Farm		300	300	300	300
VRE curtailment – ISP forecast						
Scenario	2025-2026		2026-2027		2027-2028	
	Curtailment (%)	Economic offloading (%)	Curtailment (%)	Economic offloading (%)	Curtailment (%)	Economic offloading (%)
Step Change	0	0	1	3	1	2

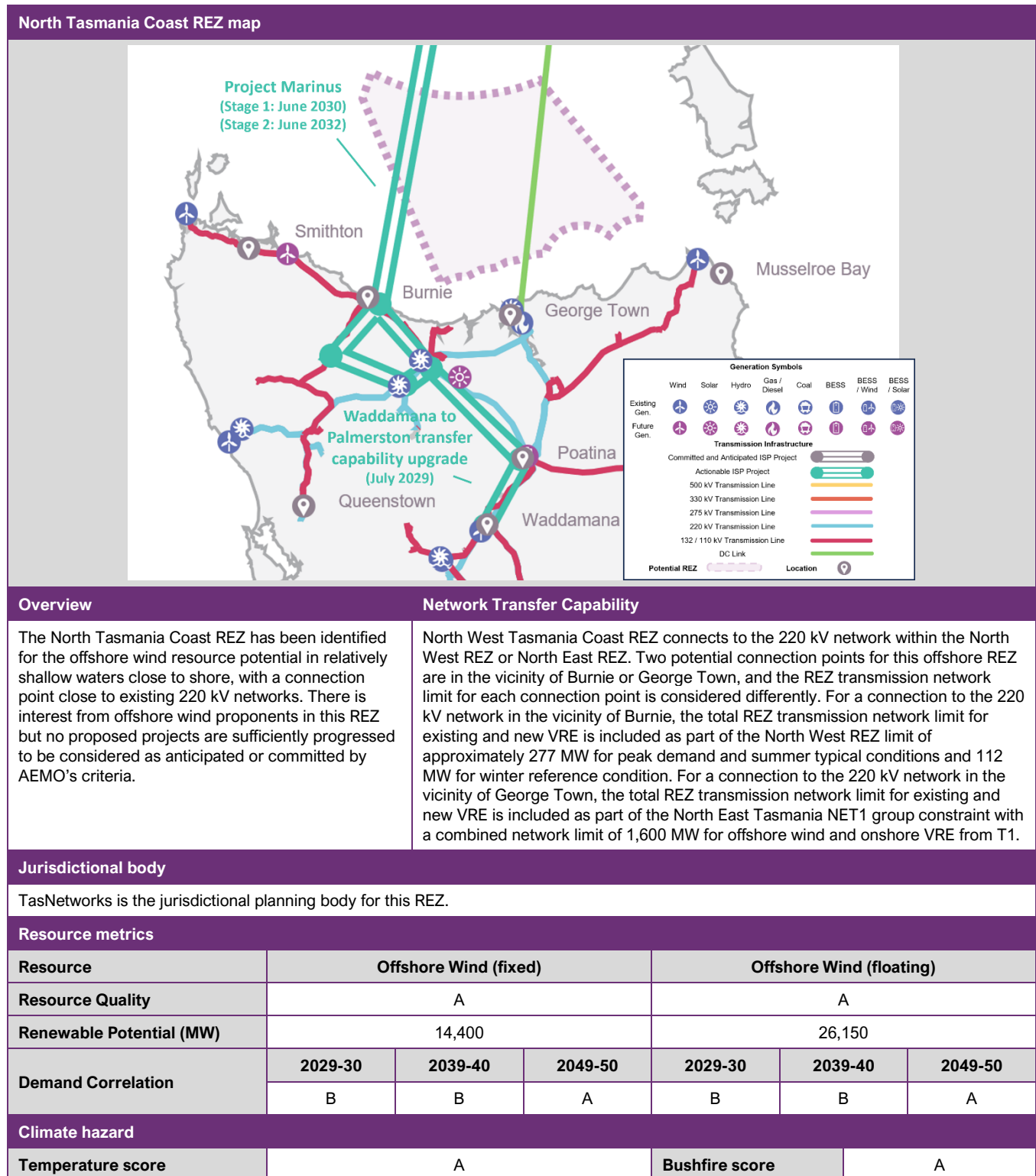
<sup>5</sup> The maximum hosting capacity was set to 300 MW for these studies. See Appendix A2.5 for the detailed methodology and see 2025 ELI Report chart data for information on the reference generation profiles used in this analysis.

ISP forecast



## A6.7 T4 – North Tasmania Coast

### REZ information



## Marginal loss factors

Marginal Loss Factor			
Technology	Voltage (kV)	2025-26 MLF	
-	-	-	
Marginal Loss Factor Robustness			
MLF Robustness score	2029-30	2034-35	2039-40
	-	-	-

## Congestion and curtailment

Congestion information – calendar year 2024			
Constraint ID	Binding hours	Marginal value (\$)	Most affected generation
-	-	-	-

VRE semi-scheduled curtailment – calendar year 2024						
DUID	Generator name		Maximum Capacity (MW)	Average curtailment (%)	Average curtailment (MW)	Curtailment (MWh)
-	-		-	-	-	-
Historical hosting capacity indicator for 20% network spill threshold						
DUID	Generator name		HHCI Wind (MW)	HHCI Wind + BESS (MW)	HHCI Solar (MW)	HHCI Solar + BESS (MW)
-	-		-	-	-	-
VRE curtailment – ISP forecast						
Scenario	2025-2026		2026-2027		2027-2028	
	Curtailment (%)	Economic offloading (%)	Curtailment (%)	Economic offloading (%)	Curtailment (%)	Economic offloading (%)
Step Change	-	-	-	-	-	-

## ISP forecast

ISP forecast												
VRE outlook	Solar PV (MW)						Wind (MW)					
	Existing/ committed/ anticipated	Projected					Existing/ committed/ anticipated	Projected				
		2025-2026	2026-2027	2027-2028	2028-2029	2029-2030		2025-2026	2026-2027	2027-2028	2028-2029	2029-2030
<i>Step Change</i>	-	-	-	-	-	-	-	-	-	-	-	-
Transmission access expansion for <i>Step Change</i>												
There are no existing, committed, anticipated VRE projects for this REZ and the modelling outcomes, for all scenarios and the offshore wind sensitivities, did not project any additional VRE for this REZ. Therefore, no VRE curtailment or transmission expansion occurs in this REZ.												
Committed, Anticipated, and Actionable Transmission Projects				Timing		Status		Additional REZ hosting capacity provided (MW)				
-				-		-		-				

## A6.8 Non-REZ

### Congestion and curtailment

Congestion information – calendar year 2024			
Constraint ID	Binding hours	Marginal value (\$)	Most affected generation
-	-	-	-

VRE semi-scheduled curtailment – calendar year 2024					
DUID	Generator name	Maximum Capacity (MW)	Average curtailment (%)	Average curtailment (MW)	Curtailment (MWh)
MUSSELR1	Musselroe Wind Farm	168	0.6	0.4	3,561
Historical hosting capacity indicator for 20% network spill threshold <sup>6</sup>					
DUID	Generator name	HHCI Wind (MW)	HHCI Wind + BESS (MW)	HHCI Solar (MW)	HHCI Solar + BESS (MW)
GORDON	Gordon	300	300	300	300
LI_WY_CA	Catagunya	300	300	300	300
MUSSELR1	Musselroe Wind Farm	17	45	64	165
POAT220	Poatina	300	300	300	300
REECE1	Reece	188	300	300	300
TARRALEA	Tarraleah	98	132	131	266
TREVALLN	Trevallyn	300	300	300	300

<sup>6</sup> The maximum hosting capacity was set to 300 MW for these studies. See Appendix A2.5 for the detailed methodology and see 2025 ELI Report chart data for information on the reference generation profiles used in this analysis.