

# 2024-2025 NEM Connection Scorecard - Mar 2025

Financial year to date (FYTD) summary of connections to the National Electricity Market (NEM).

**Notes:**

- (1) Application stage: assess the performance of the plant "as designed".
- (2) "Approved Applications" have achieved NSP and AEMO approval of Generator Performance Standards (5.3.4A letter).
- (3) Proponent Implementation stage: AEMO has no involvement. Proponent and NSP execute connection agreement. NSP constructs network interface. Proponent constructs plant and prepares registration application. Completion milestone is when registration package (R1) is submitted to AEMO.
- (4) Registration stage: assess the performance of "as built" plant, submitted in the registration package (R1).
- (5) "Approved Registrations" have received NEM registration approval from AEMO.
- (6) Commissioning to Full Output stage: assess physical interaction of the plant at successive hold points to confirm alignment between modelled and tested performance.
- (7) 'Full Output Achieved' means plant has commenced operating at maximum rated capacity in the NEM.
- (8) Alterations increasing/decreasing capacity, required to notify AEMO Registrations team.
- (9) Technology type groups are as stated. Solar+(B) are projects with solar generation and battery. Other Hybrid includes projects combining multiple variable renewable generation types (e.g. Wind & Solar). Pumped hydro is included in Hydro. Other includes all other synchronous technologies beyond hydro.
- (10) Typical average duration shows complete project stages within the past 12 months, and excludes projects which experienced atypical delays (e.g. construction issues or funding uncertainty), in order to provide an indicative stage duration.

**Key** This value is:

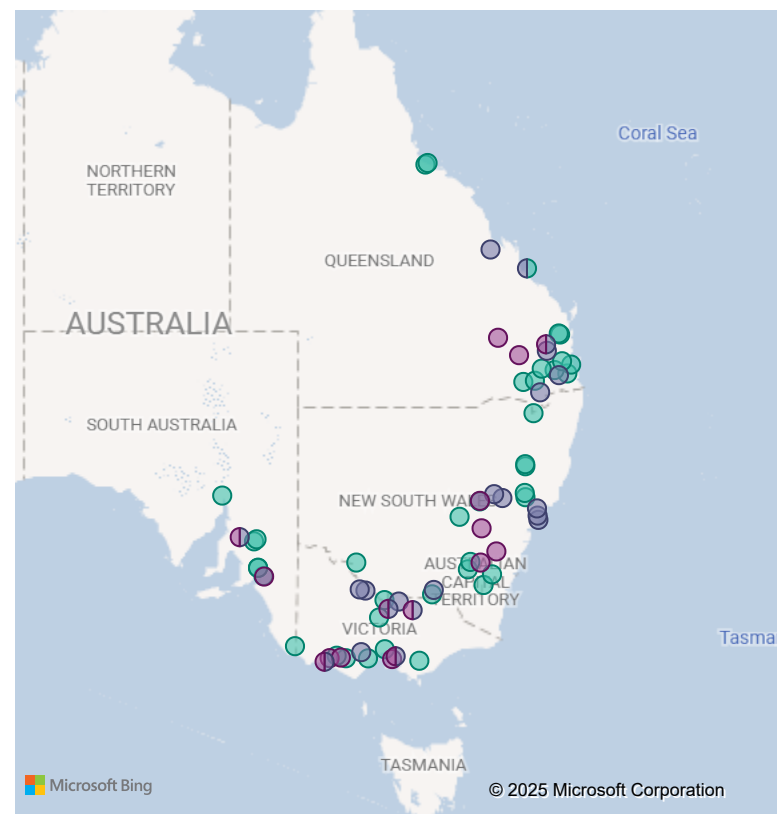
- ▼ Lower than at the same time last year.
- ▲ Higher than at the same time last year.

## Jan - March 2025 Summary [View Chart Data \(Excel\)](#)

Fifteen new connections applications were received in the last quarter, adding 3.5 gigawatts (GW) to the pipeline of projects. At the close of this quarter, 42 project applications have been approved (9.2GW) this financial year to date (FYTD), 28 projects (7.5GW) were registered, and 16 projects (2.5 GW) reached their full MW output.

Recent registrations and application approvals show a rapid increase in battery technology progressing through the pipeline across all regions.

**Approved** ● Application ● Registration ● Full Output



## Approved Applications<sup>(2)</sup>

Seven projects (1.7 GW) received application approval this quarter: Solar (805 MW), Batteries (400 MW), Solar + battery (300 MW), Gas (116 MW) and Wind (89 MW)

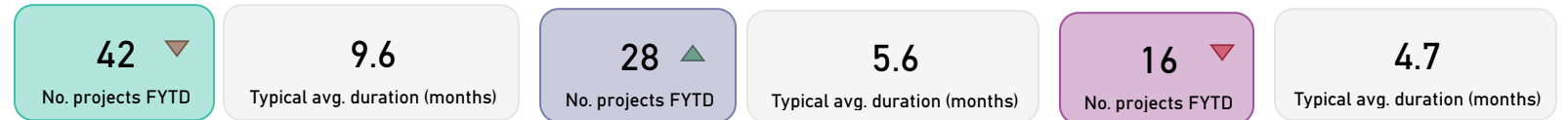
## Approved Registrations<sup>(5)</sup>

Seven projects were registered this quarter: 3 Batteries (945 MW), 2 Solar (627MW), 1 Gas (660 MW), and a Solar + battery alteration (120 MW)

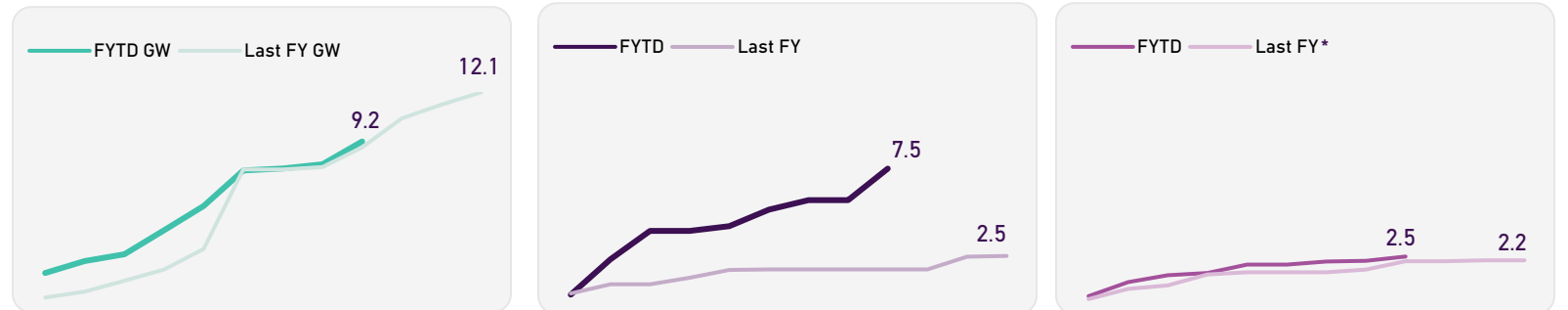
## Full Output Achieved<sup>(7)</sup>

Five projects reached full output this quarter: Blyth BESS (200 MW), Gangarri Solar Farm (150 MW), Crookwell 3 Wind Farm (56 MW), Kingaroy Solar Farm (40 MW) and Mokoan Solar Farm (46 MW)

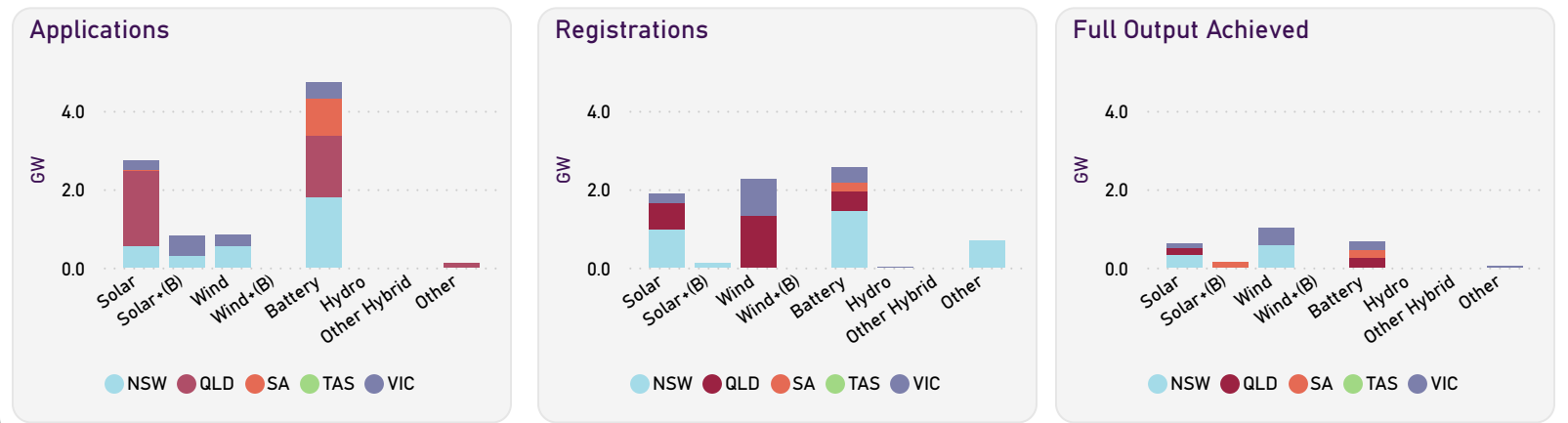
### Total Projects (FYTD) and Project Duration (Typical average duration)



### Approved FYTD GW by Stage in relation to last FY

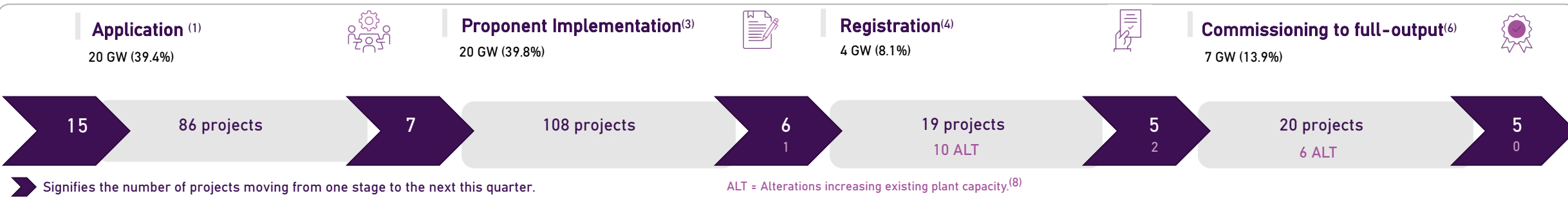


### Approved FYTD GW by Technology Type<sup>(9)</sup> and Stage



## Connection projects underway

Learn more: [Connection Scorecard](#)



Snapshot of current projects (in-progress) in each stage as of Mar 2025

Notes:

(1) Enquiries are potential applications for connection to the NEM. Project options and feasibility are assessed.

(2) Application stage: assess the performance of the plant "as designed".

(3) Proponent Implementation stage: AEMO has no involvement. Proponent and NSP execute connection agreement. NSP constructs network interface. Proponent constructs plant and prepares registration application. Completion milestone is when registration package (R1) is submitted to AEMO.

(4) Registration stage: assess registration application, demonstrating performance of "as built" plant.

(5) Commissioning to Full Output stage: assess physical interaction of the plant at successive hold points to confirm alignment between modelled and tested performance.

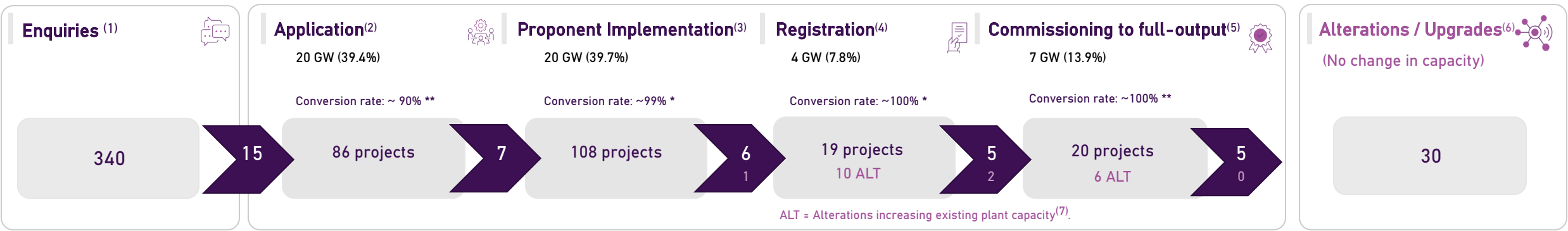
(6) Alterations /Upgrades for plant already connected to the NEM e.g. setting changes or new plant components.

(7) Alterations increasing/decreasing capacity, required to notify AEMO Registrations team.

(8) Staged commissioning approach - Proponent has planned commissioning in stages due to staged construction or to manage their resources.

▲ Higher than at the same time last year.  
▼ Lower than at the same time last year.

Fig. 1 Connection projects underway - quarterly changes



➤ Signifies the number of projects moving from one stage to the next this quarter. \* The conversion rate is an indicative MW % that will proceed through this stage based on historical data.

Fig. 2 - Connection Volume (GW) Trend Analysis by Stage

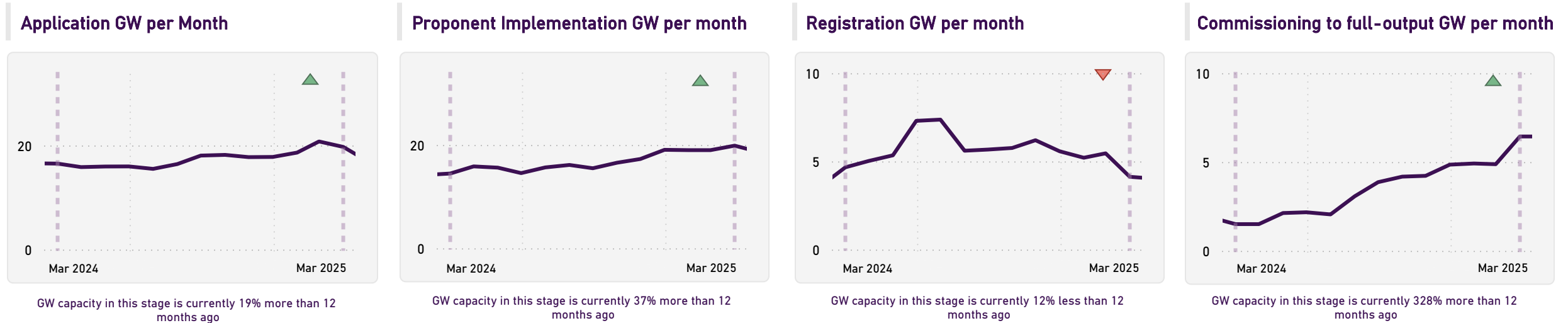
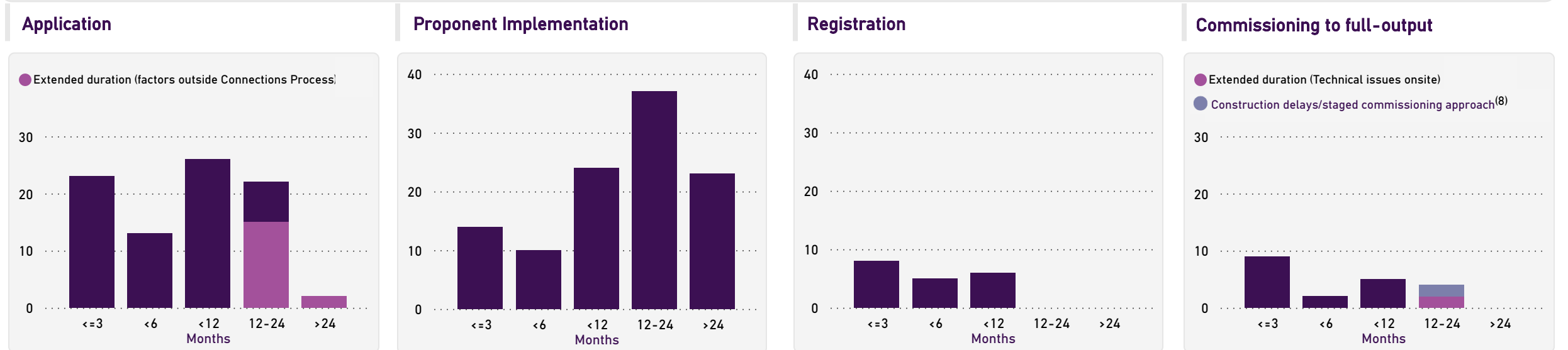


Fig. 3 - Current number of projects in each Stage by Duration



20 % of projects have extended duration due to factors outside the connections process, with the remaining projects in this stage for >12 months experiencing complex design, design changes and higher need for resubmissions.

56% of projects have been in this stage for more than 12 months.

0% of projects have been in this stage for more than 12 months.

10% of projects have extended duration due to technical issues onsite. 7% of projects are undergoing construction delays/staged commissioning approach.

Snapshot of current projects (in-progress) in each stage as of Mar 2025

**Notes:**

(1) Technology type groups are as stated. Solar+(B) are projects with solar generation and battery. Other Hybrid includes projects combining multiple variable renewable generation types (e.g. Wind & Solar). Pumped hydro is included in Hydro. Other includes all other synchronous technologies beyond hydro.

(2) Application stage: assess the performance of the plant "as designed".

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(4) Registration stage: assess registration application, demonstrating performance of "as built" plant.

(5) Commissioning to Full Output stage: assess physical interaction of the plant at successive hold points to confirm alignment between modelled and tested performance.

Fig. 4 GW Volume in each Stage by Technology Type<sup>(1)</sup> and State

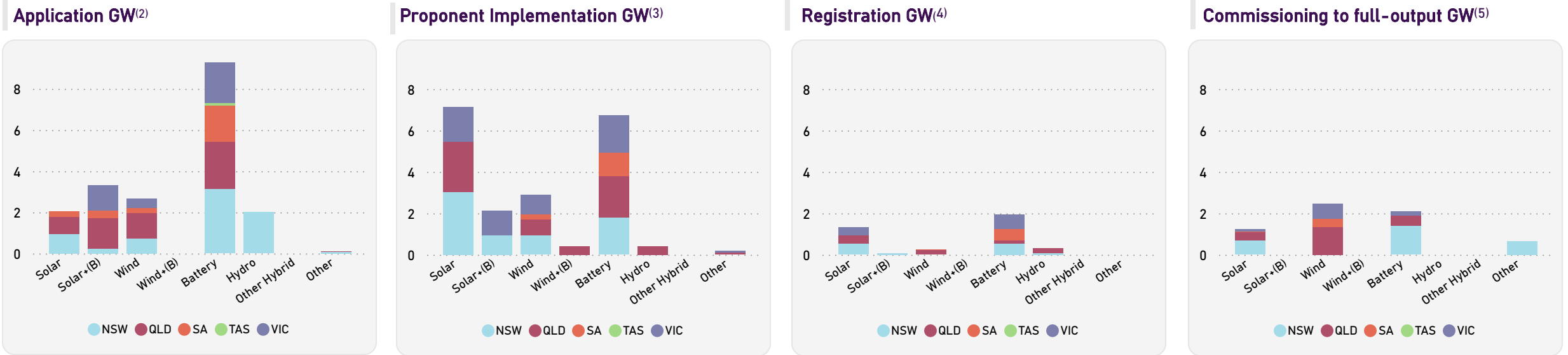


Fig. 5 GW Volume percentage by State

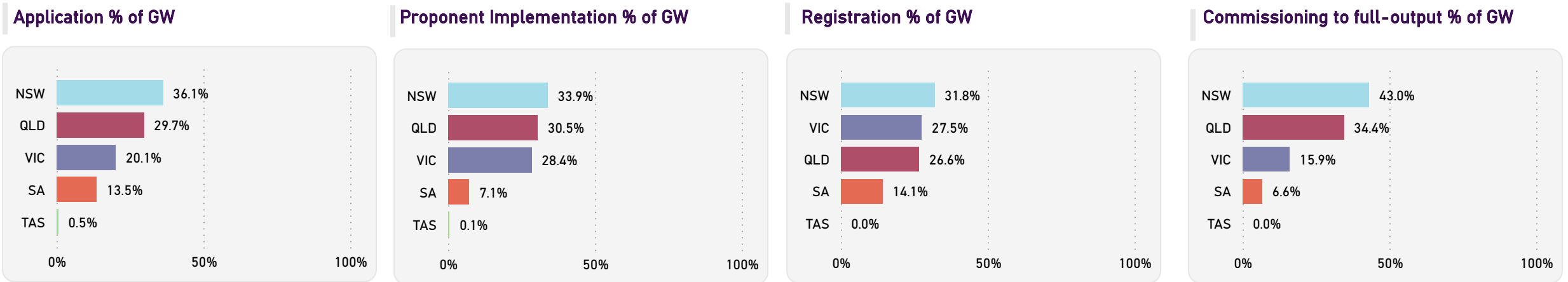
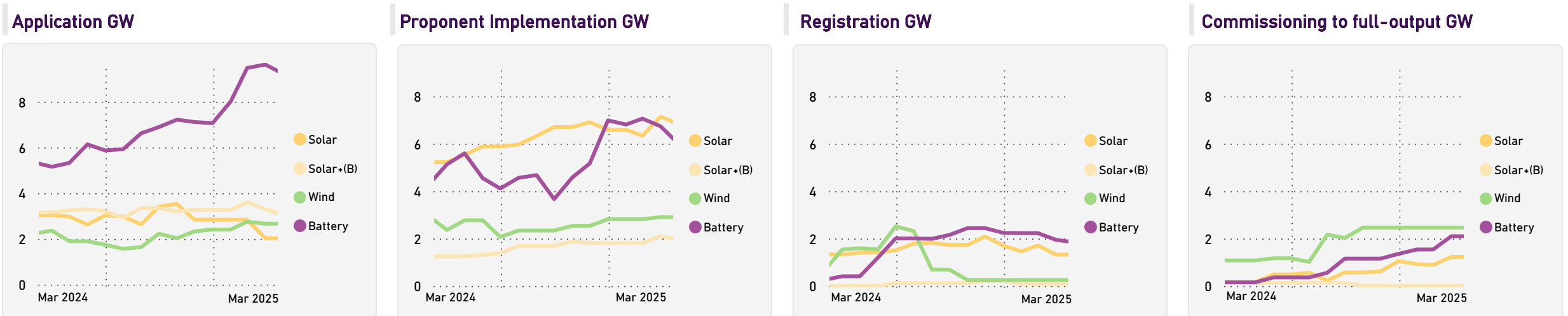


Fig. 6 GW Volume Trend Analysis by Renewable Technology



# NEM Connection Scorecard Performance

Completed milestones in AEMO Connections process, by Stage.

**Notes:**  
 (1) Application stage assesses the performance of the plant as designed. Applications are approved when the 5.3.4A letter is issued.

(2) Registration stage: assess registration application, demonstrating performance of "as built" plant. Approved Registrations have received NEM registration approval from AEMO.

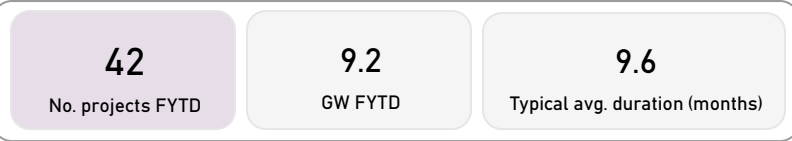
(3) Proponent Implementation stage: AEMO has no involvement. Proponent and NSP execute connection agreement. NSP constructs network interface. Proponent constructs plant and prepares registration application. Completion milestone is when registration package (R1) is submitted to AEMO.

(4) 'Full Output Achieved' means plant has commenced operating at maximum rated capacity in the NEM.

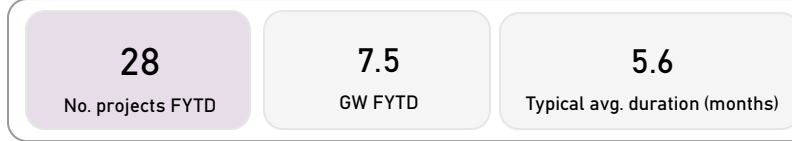
(5) Typical average duration shows complete project stages within the past 12 months, and excludes projects which experienced atypical delays (e.g. construction issues or funding uncertainty), in order to provide an indicative stage duration.

(6) For staged commissioning (typically for wind farms) construction delays due to staged delivery has been removed to more accurately reflect the duration.

## Approved Applications<sup>(1)</sup>



## Approved Registrations<sup>(2)</sup>



## Full MW Output Achieved<sup>(4)</sup>

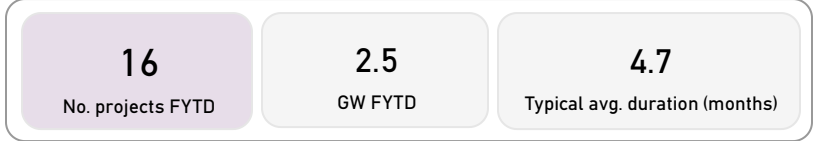
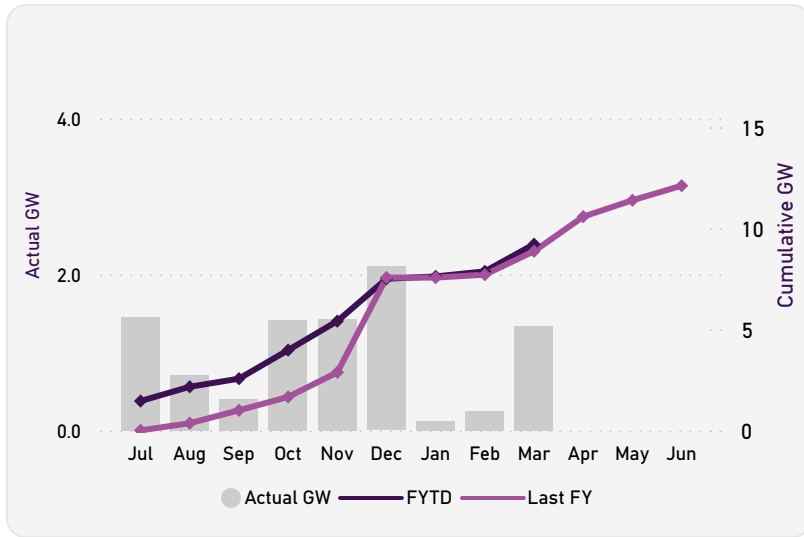


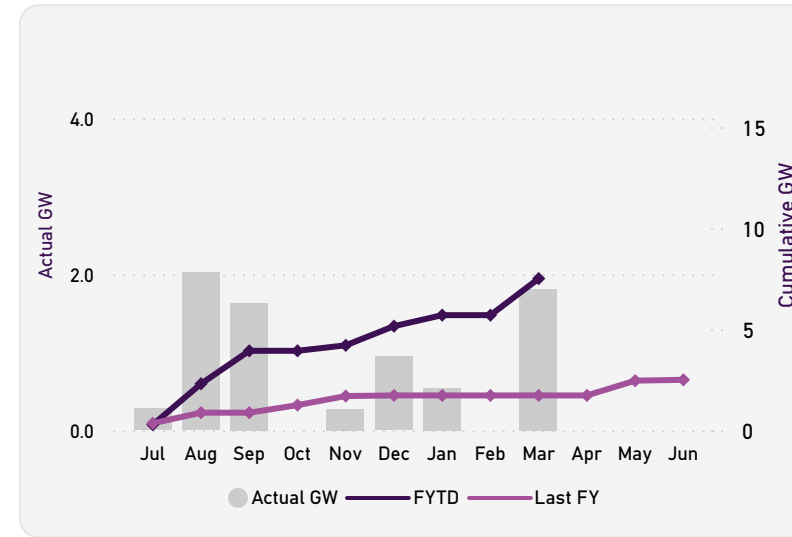
Fig. 7 Approved GW by Stage

### Approved Application



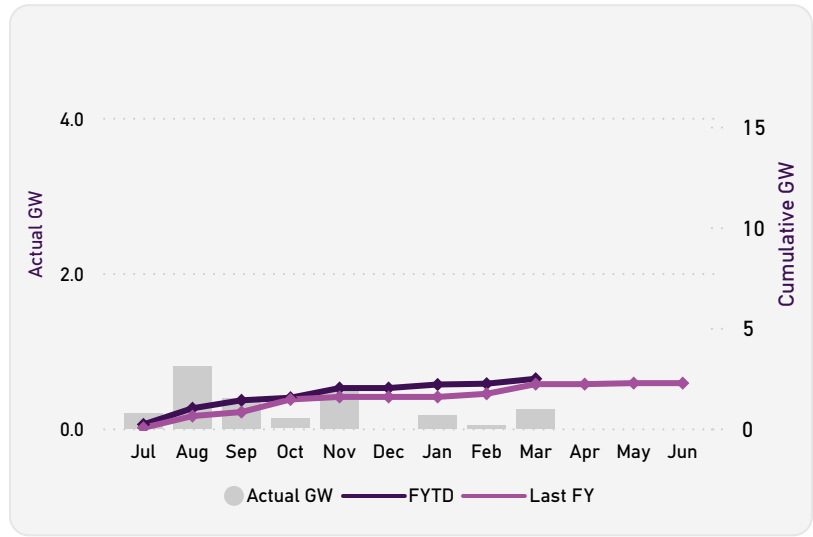
The latest cumulative GW capacity for Mar 2025 is 4% more than the same time last year

### Approved Registration



The latest cumulative GW capacity for Mar 2025 is 335% more than the same time last year

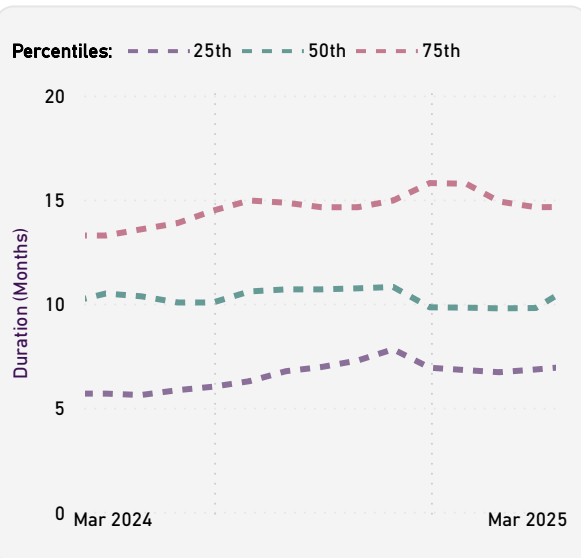
### Full Output Achieved



The latest cumulative GW capacity for Mar 2025 is 12% more than the same time last year

Fig. 8 Project Stage Duration (Months) Trend Analysis

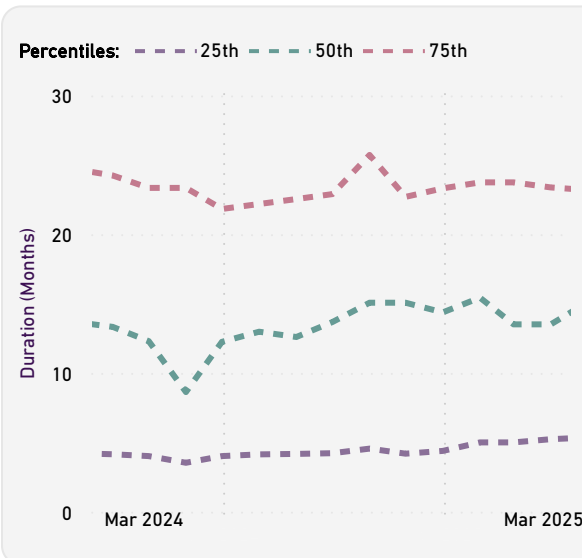
### Approved Application



75% of the projects took 14.6 months or less to complete this stage. 25% of projects took 6.8 months or less to complete this stage.

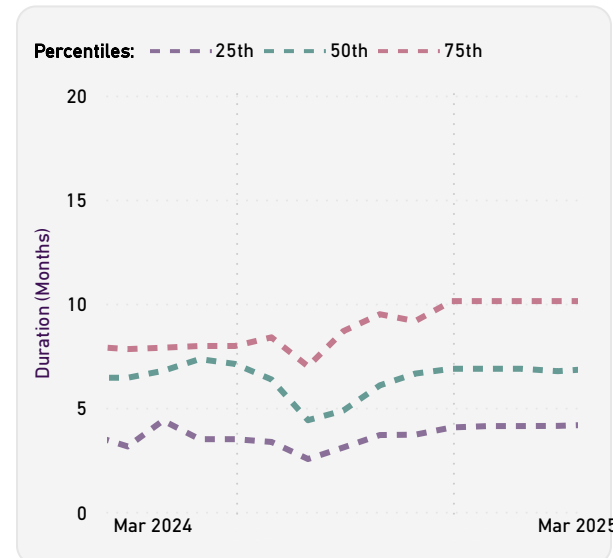
### Proponent Implementation<sup>(3)</sup>

AEMO has no involvement in this stage



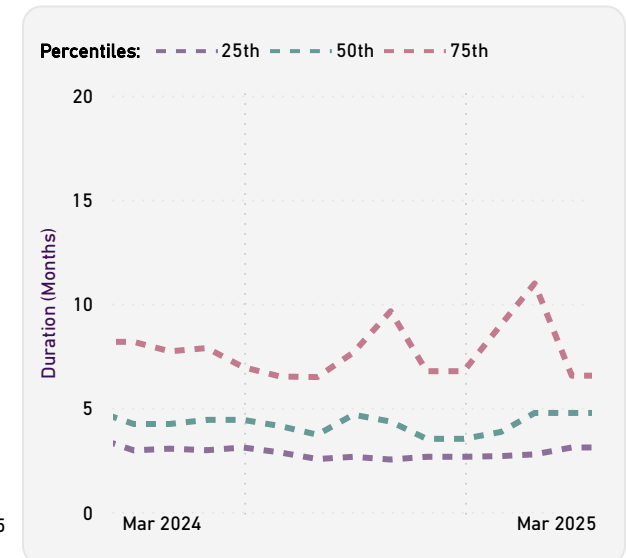
75% of the projects took 23.4 months or less to complete this stage. 25% of projects took 5.2 months or less to complete this stage.

### Approved Registration



75% of the projects took 10.1 months or less to complete this stage. 25% of projects took 4.1 months or less to complete this stage.

### Full Output Achieved<sup>(6)</sup>



75% of the projects took 6.5 months or less to complete this stage. 25% of projects took 3.1 months or less to complete this stage.