



Major Customer Connections

Insights Data



Project data quarterly update – June 2024

Summary

For our major customers with large-scale grid connection opportunities, this report will provide information on the following:

- Volume of project work being undertaken
- Average timeframes for each project phase
- Data relating to project type, industry, and region

This data will be updated where appropriate and published each quarter.

The timeframe data set will be a consistent inclusion – however, other insights may be subject to change.

- Inactive projects have been excluded from the report



Data Definitions

Project Phases

Enquiry - *The Enquiry phase provides guidance on the information required to complete a Connection Application form. An Enquiry Assessment will assist you to identify a suitable network connection point and evaluate the feasibility of your project.*

Initiation - *The Project Initiation phase involves identifying network constraints applicable to your application, assessing if your application is competing for network capacity, and identifying viable options to modify the network to meet your requirements.*

Scoping - *The Project Scoping phase involves developing a scope of work for each option to modify the network, assessing each option, and selecting the final technical solution to be implemented.*

Planning - *The Project Planning phase involves Western Power preparing business cases, contracts, preliminary designs and estimates, and construction plans for the final technical solution to modify the network.*

Construction & Commissioning - *The required network modifications are then constructed and commissioned by Western Power under the terms of the Interconnection Works Contract (IWC).*

Other Definitions

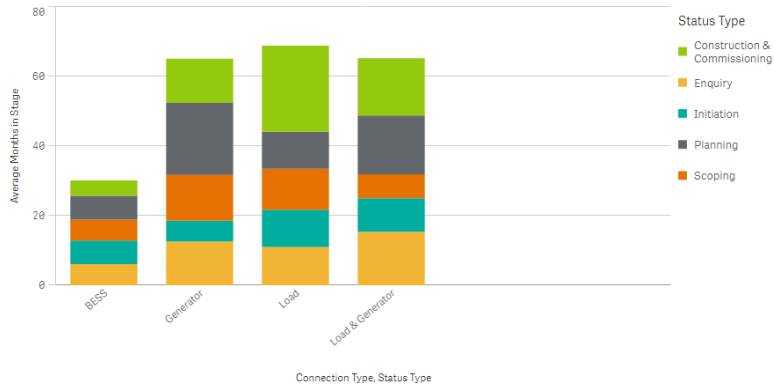
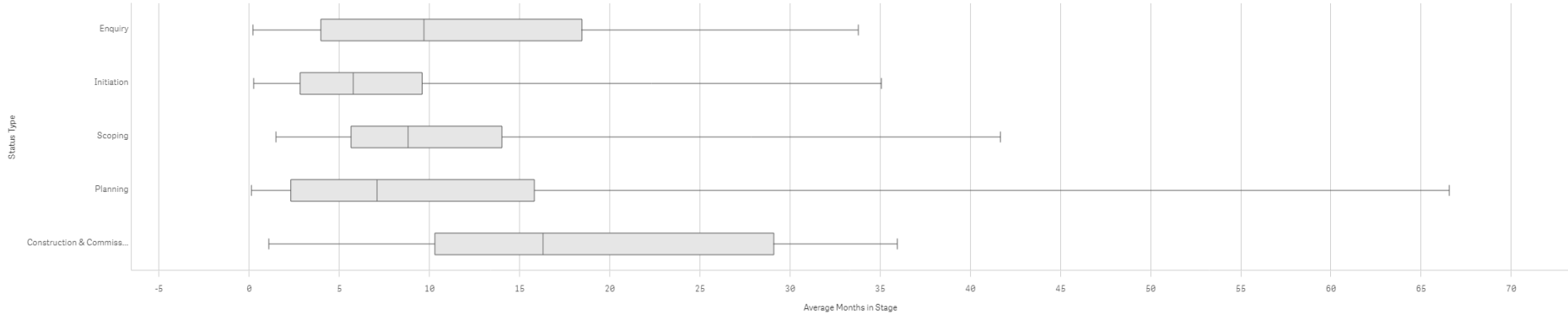
Days in Stage – *the number of calendar days in each stage defined as the time between the change from one stage to the next. (This includes days in a stage for a project that has passed that stage i.e. a project in Construction will have a days in stage for all preceding stages.)*

CMD – *Contracted Maximum Demand (Load)*

DSOC – *Declared Send Out Capacity (Generation)*



Time in Each Stage

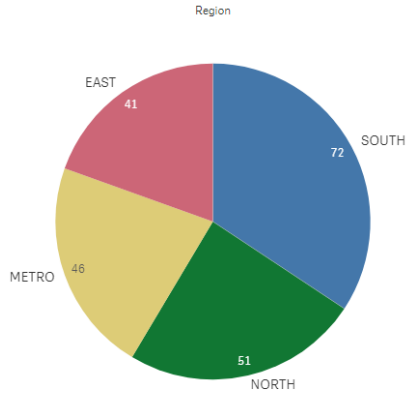


Average Months in Stage by Connection Type

Status Type	Connection Type			
	BESS	Generator	Load	Load & Generator
Enquiry	6.1	12.6	11.0	15.4
Initiation	6.8	6.0	10.7	9.7
Scoping	6.0	13.1	11.8	6.9
Planning	6.8	20.7	10.7	16.9
Construction & Commissioning	4.4	12.7	24.8	16.4

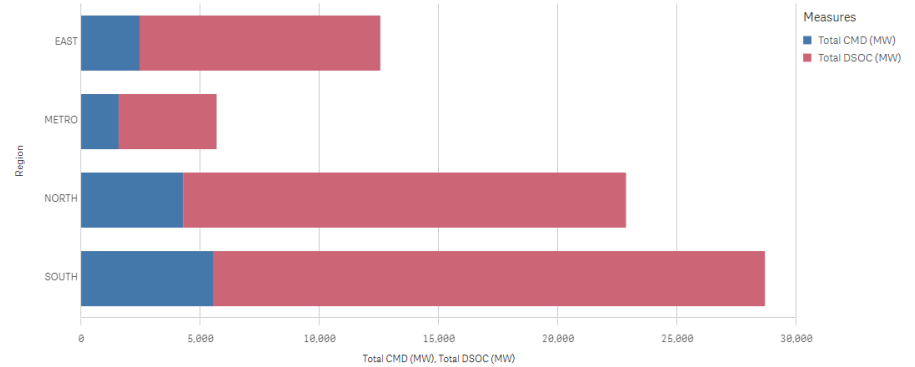
Project Distribution (Region)

Q_Active_Stage	[Connection Type]		Values													
	BESS			Generator			Load			Load & Generator						
	Active Projects	Total DSOC (MW)	Total CMD (MW)	Active Projects	Total DSOC (MW)	Total CMD (MW)	Active Projects	Total DSOC (MW)	Total CMD (MW)	Active Projects	Total DSOC (MW)	Total CMD (MW)				
Enquiry	18	3,227	2,525	65	39,853	5,106	12	216	584	6	900	172				
Initiation	6	1,360	1,360	23	5,795	398	10	84	1,197	3	12	16				
Scoping	-	-	-	6	751	71	8	0	183	3	355	132				
Planning	2	942	612	9	1,406	147	4	0	199	1	0	22				
Construction & Commissioning	3	730	730	12	557	71	12	16	217	2	138	186				
Close Out	-	-	-	5	371	0	-	-	-	-	-	-				



Region

- SOUTH
- NORTH
- METRO
- EAST

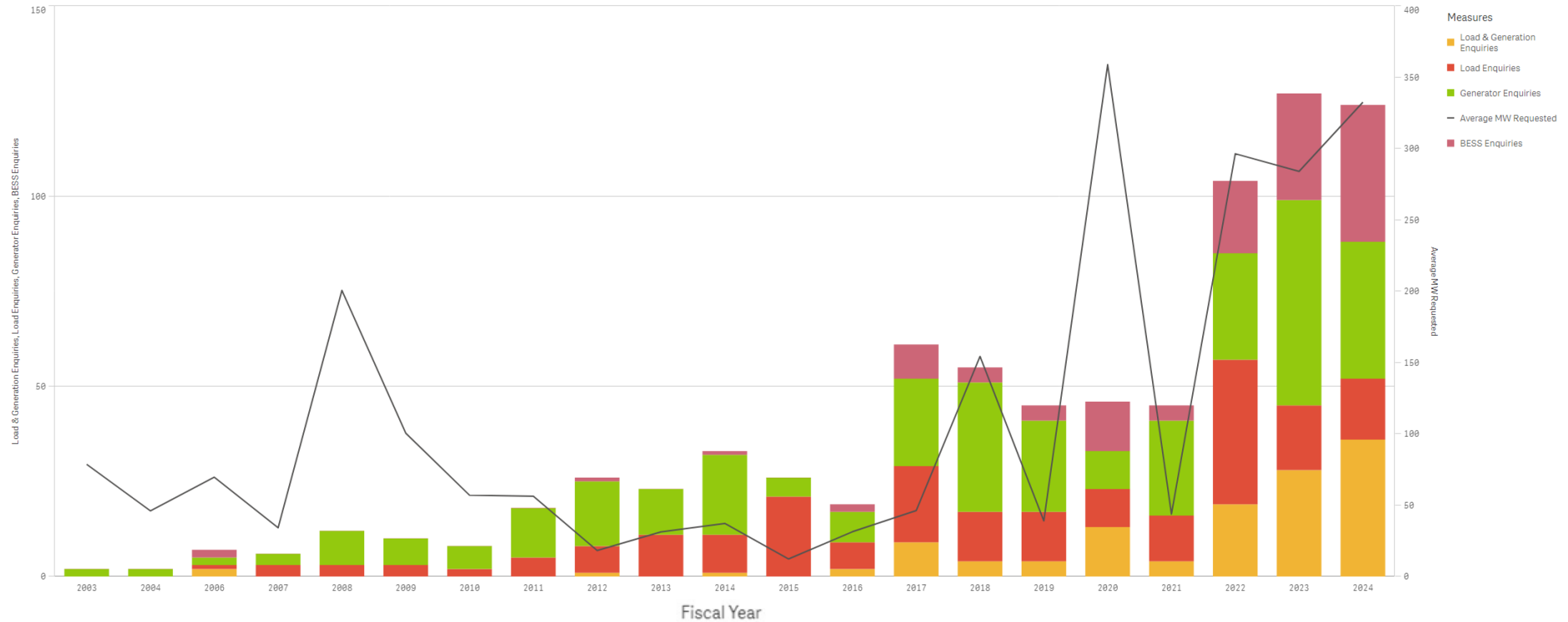


Project Distribution (Industry)

Connection Type <input type="text"/>		Industry Type <input type="text"/>		Values		
		Active Projects	Total DSOE (MW)	Total CMD (MW)		
BESS	Battery	21	4,589	4,177		
	Generation - Other Renewable	2	0	0		
	Generation - Solar Farm	3	750	550		
	Generation - Wind Farm	2	1,000	500		
	Mining	1	0	0		
Generator	Battery	6	188	170		
	Data Centre	1	0	0		
	Generation - Non-Renewable	8	857	1		
	Generation - Other Renewable	12	594	112		
	Generation - Solar Farm	18	2,070	588		
	Generation - Wind Farm	67	43,714	2,898		
	Hydrogen / Ammonia Production	2	500	2,000		
	Mining	2	0	24		
	Retail	4	10	1		
Load	Data Centre	1	0	464		
	Generation - Non-Renewable	1	0	9		
	Generation - Wind Farm	1	216	0		
	Government Agency	6	0	72		
	Health Care	3	0	15		
	Hydrogen / Ammonia Production	4	84	954		
	Mining	20	16	638		
	Processing / Manufacturing	6	0	192		
	Transport	4	0	36		
Load & Generator	Battery	5	610	310		
	Generation - Non-Renewable	1	145	22		
	Generation - Other Renewable	2	39	8		
	Generation - Solar Farm	3	600	31		
	Hydrogen / Ammonia Production	1	10	10		
	Mining	2	1	34		
	Transport	1	0	33		

Enquiries Over Time

Enquiry volume and project size, over time



Quarterly Overview

New Enquiries

30

Access Offers Issued

5

New Connection Applications

9

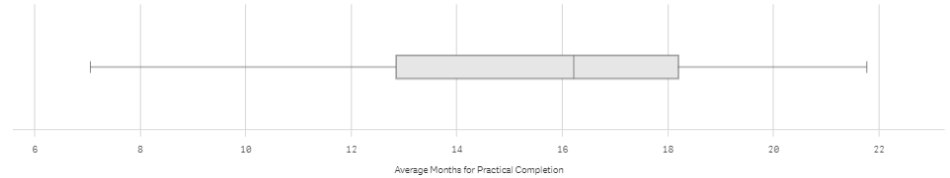
Project movement in this quarter

Stage Change	Q	Project Count
Enquiry to Initiation	▲	9
Initiation to Scoping		1
Scoping to Planning		4
Planning to Construction		4

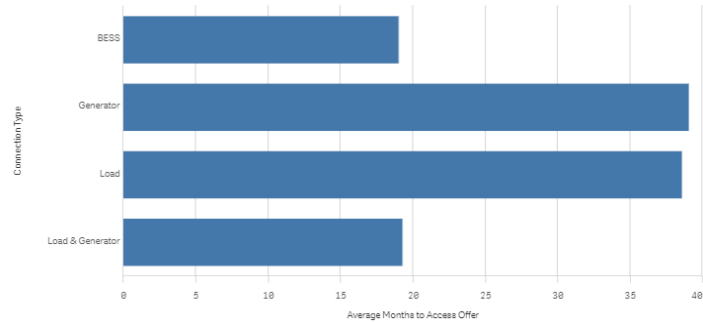
Distribution of Projects by Months to Access Offer (Connection Application to Access Offer)



Distribution of Projects by months of Construction duration (completed projects only)



Average Months to Access Offer by Connection Type



Time between Construction Start and Practical Completion by Connection Type

