



Major Customer Connections

Insights Data



Project data quarterly update – March 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

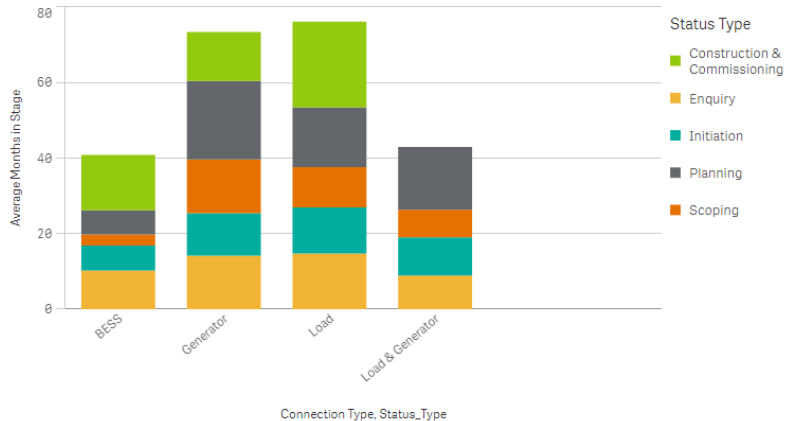
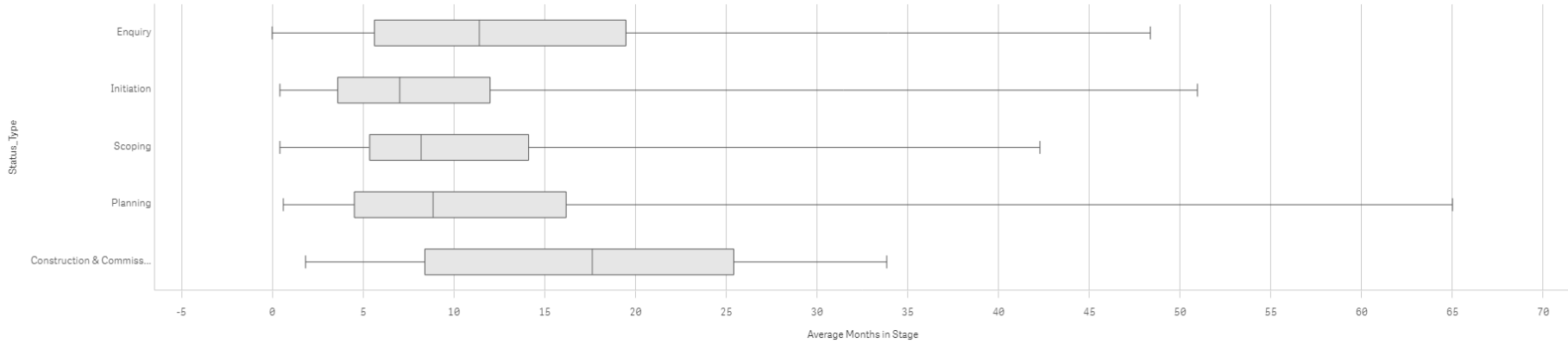
Days in Stage – *the number of calendar days in each stage defined as the time between the change from one stage to the next. (This includes days in a stage for a project that has passed that stage i.e. a project in Construction will have a days in stage for all preceding stages.)*

CMD – *Contracted Maximum Demand (Load)*

DSOC – *Declared Send Out Capacity (Generation)*



Time in Each Stage



Average Months in Stage by Connection Type

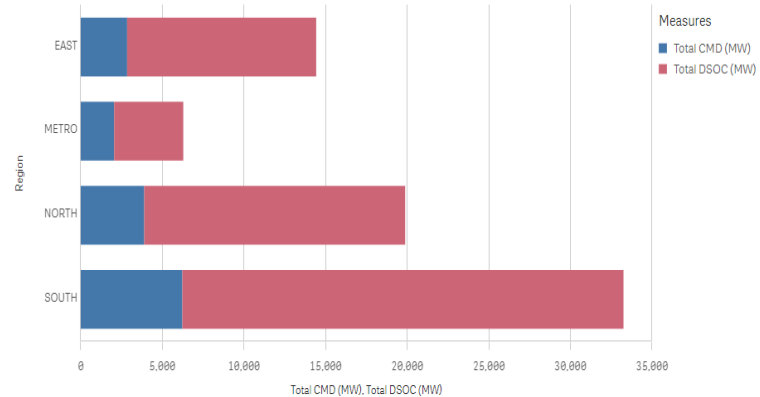
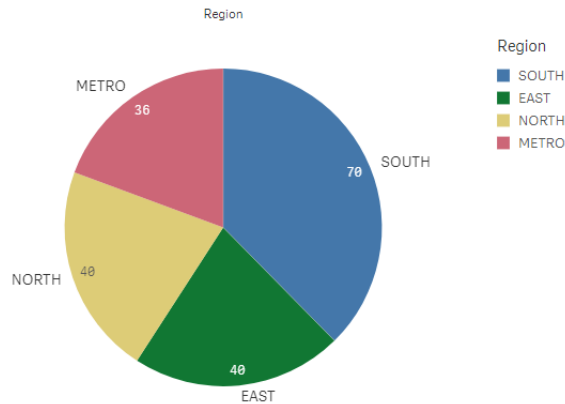
Status Type	Connection Type			
	BESS	Generator	Load	Load & Generator
Enquiry	10.3	14.2	14.7	8.9
Initiation	6.6	11.2	12.2	10.1
Scoping	2.9	14.3	10.6	7.3
Planning	6.4	20.8	15.8	16.7
Construction & Commissioning	14.7	13.0	22.7	-

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	3,328	3,326	68	45,843	5,352	13	0	486	5	1,850	500
Initiation	7	990	990	15	2,491	161	10	84	1,597	4	102	139
Scoping	1	100	100	6	1,328	205	11	0	508	1	10	10
Planning	4	1,472	1,142	8	786	0	2	0	39	2	145	44
Construction & Commissioning	2	300	300	4	2	12	4	0	82	-	-	-
Close Out	1	2	0	-	-	-	-	-	-	-	-	-



Project Distribution (Industry)

		Active Projects	Total DSOC (MW)	Total CMD (MW)
BESS	Battery	32	6,190	5,858
	Retail	1	2	0
Generator	Battery	3	144	140
	Generation - Non-Renewable	10	1,794	2
	Generation - Other Renewable	7	315	107
	Generation - Solar Farm	12	2,039	558
	Generation - Wind Farm	61	43,650	2,898
	Hydrogen / Ammonia Production	3	2,500	2,000
	Mining	2	0	24
	Retail	3	8	1
Load	Data Centre	3	0	714
	Government Agency	2	0	59
	Health Care	2	0	4
	Hydrogen / Ammonia Production	5	84	1,154
	Mining	20	0	548
	Processing / Manufacturing	6	0	219
	Transport	2	0	14
Load & Generator	Battery	2	300	100
	Generation - Non-Renewable	1	145	22
	Generation - Other Renewable	2	301	102
	Generation - Solar Farm	3	850	272
	Hydrogen / Ammonia Production	2	510	160
	Mining	1	1	4
	Transport	1	0	33

Enquiries Over Time

Enquiry volume and project size, over time

