



Major Customer Connections

Insights Data

Project data quarterly website update – October 2023



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
- Inactive projects have been excluded from the reporting

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.



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

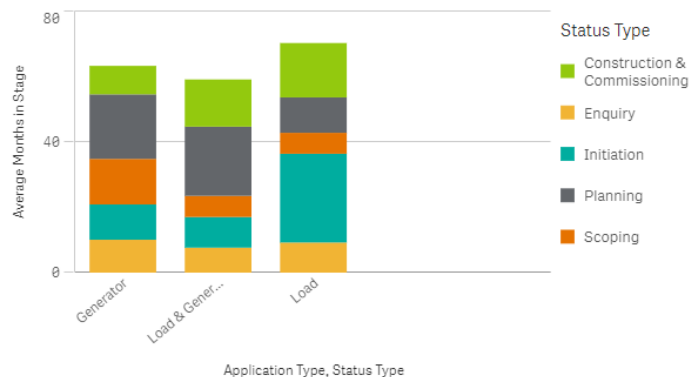
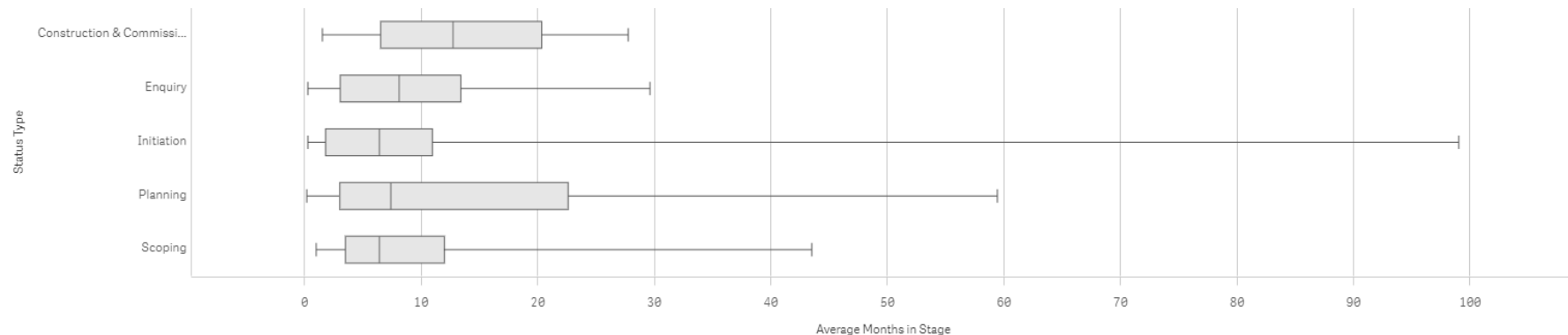
Days in Stage – *the number of calendar days in each stage defined as the time between the change from one stage to the next. (This includes days in a stage for a project that has passed that stage i.e. a project in Construction will have a days in stage for all preceding stages.)*

CMD – *Contracted Maximum Demand (Load)*

DSOC – *Declared Send Out Capacity (Generation)*



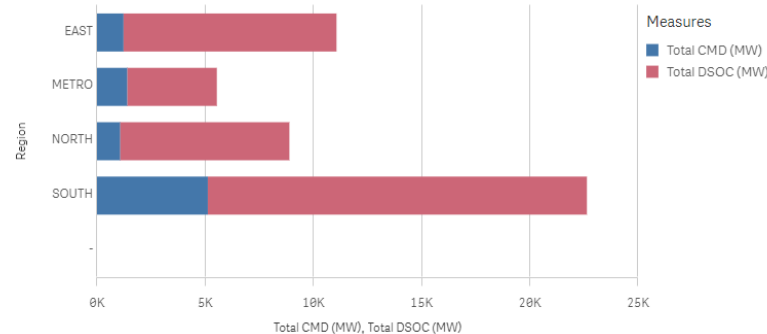
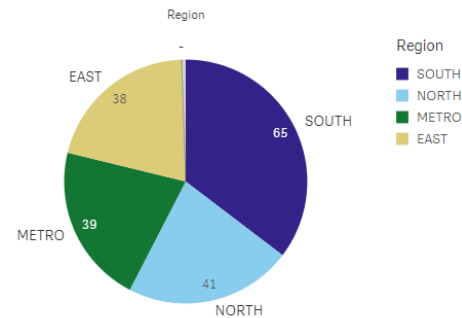
Time in Each Stage



Status Type <input type="text" value="Q"/>	Application Type <input type="text" value="Q"/>		
	Generator	Load & Generation	Load
Enquiry	10.1	7.7	9.2
Initiation	10.8	9.4	27.2
Scoping	14.0	6.5	6.4
Planning	19.8	21.2	10.8
Construction & Commissioning	8.7	14.5	16.7

Project Distribution (Region)

	Generator			Load			Load & Generation		
	No. Active Projects	Total DSOC (MW)	Total CMD (MW)	No. Active Projects	Total DSOC (MW)	Total CMD (MW)	No. Active Projects	Total DSOC (MW)	Total CMD (MW)
Enquiry	50	26,752	0	18	0	1,572	22	5,208	3,449
Initiation	12	2,656	13	16	0	808	17	1,961	1,442
Scoping	7	805	0	9	0	487	3	757	580
Planning	6	592	33	2	0	39	-	-	-
Construction	3	75	0	4	0	82	3	302	301
Close Out	1	2	0	-	-	-	-	-	-



Project Distribution (Industry)

<div>Application Type <input type="text"/></div> <div>Industry_Value <input type="text"/></div>		Values		
		No. Active Projects	Total DSOC (MW)	Total CMD (MW)
Generator	Others	13	2,010	24
	Generation - Non-Renewable	21	2,040	0
	Generation - Other Renewable	10	628	0
	Generation - Solar Farm	20	1,324	22
	Generation - Wind Farm	58	22,621	0
	Retail	10	8	0
Load	Others	6	0	1,142
	Data Centre	6	0	150
	Government Agency	10	0	126
	Mining	55	0	647
	Processing / Manufacturing	17	0	640
	Transport	8	0	58
Load & Generation	Others	7	321	146
	Battery	33	3,871	3,545
	Generation - Other Renewable	8	50	12
	Generation - Solar Farm	5	112	58
	Generation - Wind Farm	8	2,770	1,121
	Mining	4	43	179

Enquiries Over Time

Enquiry volume and project size, over time

