

WHAT'S ON THE GROUND

SIX GRID PROJECTS

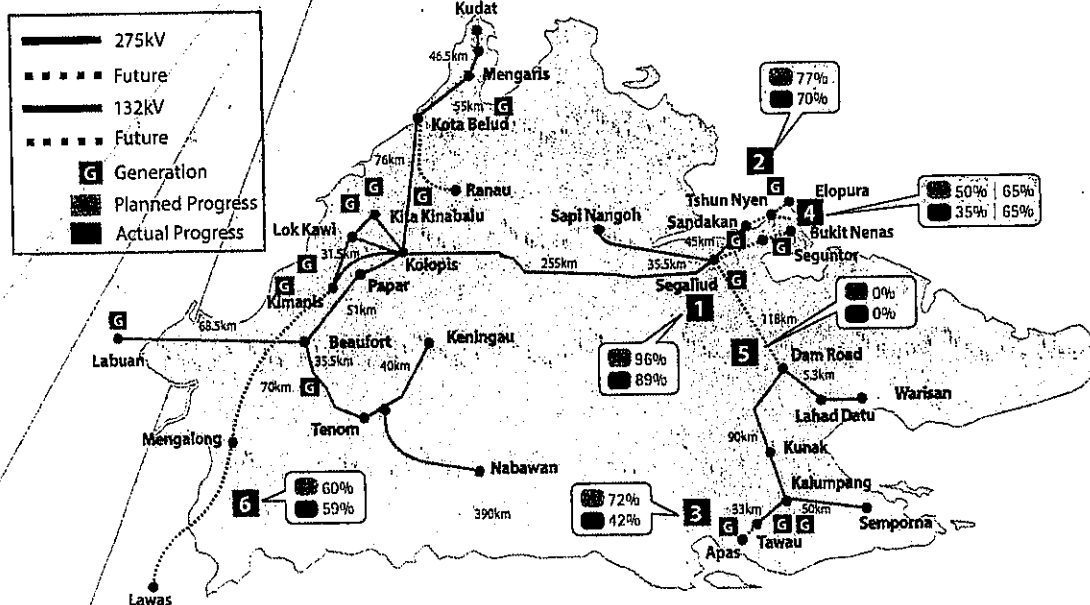
According to the Malaysia Energy Statistics Handbook 2017, Sabah's average SAIDI which is upwards of 200 m/y/c compared to 50 m/y/c and 112 m/y/c in Peninsular Malaysia and Sarawak respectively. This is attributable, among others, to the aging (20 years or more) grid network that is fast approaching its design load limits.

This weakness is being addressed by ongoing network reinforcement works that will not only improve power distribution efficiency, but also directly reduce SAIDI rates.

Currently, there are six major transmission projects costing RM840 million and targeted for completion in late 2021 or early 2022. The projects involve upgrading works, new transmission lines and PMUs. These projects have been identified as critical to achieve a distribution capacity of 200MW to 400MW. The six projects are:

Projects	Target Completion Date
1 New line 132kV (Segaliud to Seguntor + 15MVA transformer)	October 2018
2 New line 132kV (Sandakan - Elopura)	November 2019
3 New PMU and new line 132kV Apas	November 2019
4 New PMU and PPU Bukit Nenas New line 132kV (Tshun Nyen - Sandakan - Seguntor)	June 2021
5 Upgrading 132kV to 275kV (Segaliud to Damroad) + 240MVA at Damroad	September 2021
6 New line 275kV (Kimanis - Mengalong)	September 2019

Six Ongoing Grid Projects



LEGEND:

Transmission PMU (Existing)
132 kV (current)

275 kV (current)

132 kV (future)

275 kV (future)

Peringkat Perolehan

Peningkat Pembinaan

Peringkat Kerja Survey & Pengambilan Tanah Oleh SESB

ATC PMU Segaliud (S1)

PMU 132kV Apas (S1)
(Tender Terhad)

**Southern Link 275kV
Transmission Project**
(Upper Padas-Kalumpang)

PMU Inanam

PMU UMS

PMU Penampang

IPMU 132kV Tg Lipat (S1)
(Tender Temad)

PMU Bukit Nenas

IPMU-132kV/KKBW
(S1)
(Tender-Tehad)

ATC PMU Segaliud (S1)

PMU 132kV Apas (S1)
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