



NGCP

NGCP's Transmission Plans and Programs In the Visayas Region

2016 Visayas Energy Investment Forum

Parklane Hotel, Cebu City

22 June 2016



NGCP

Stronger transmission
for a stronger nation.

Outline

1. Existing Visayas Grid
2. Transmission Projects



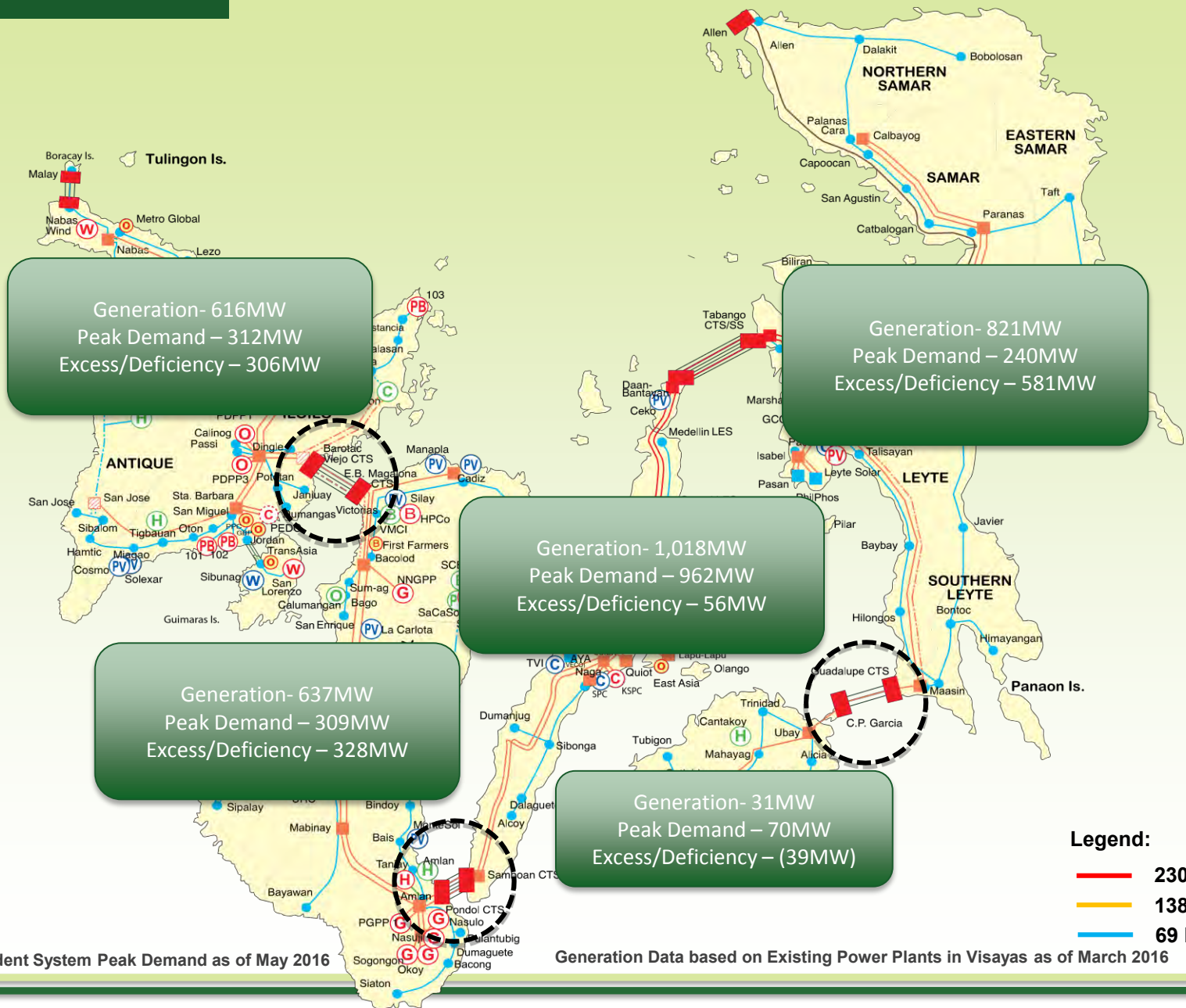
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1. Existing Visayas Grid



VISAYAS GRID



Based on Coincident System Peak Demand as of May 2016

Generation Data based on Existing Power Plants in Visayas as of March 2016

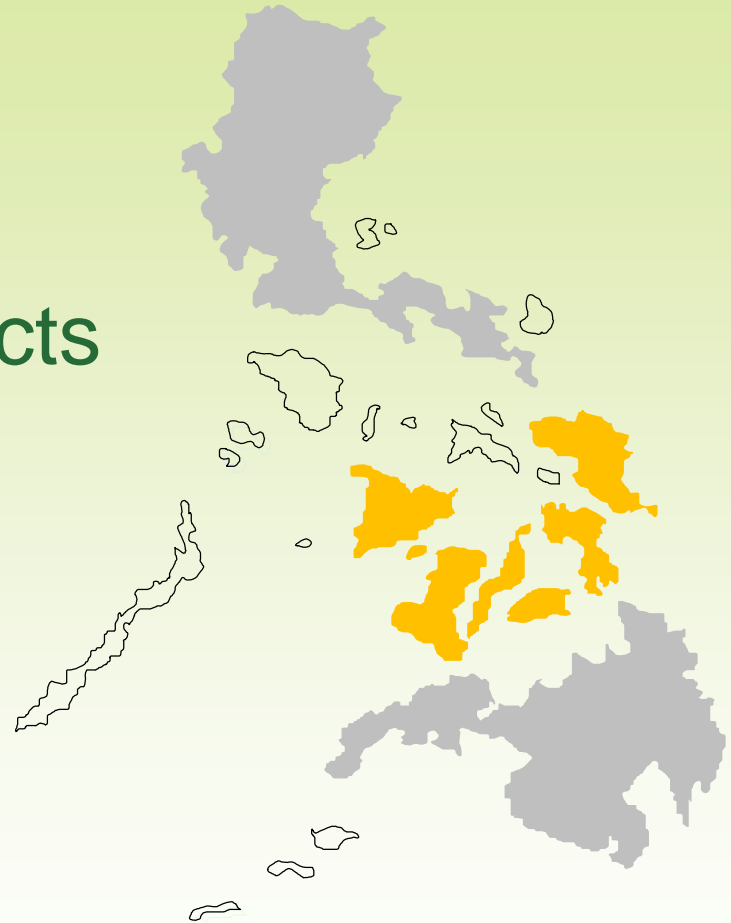


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2. Transmission Projects

VISAYAS GRID



VISAYAS

2015

CEDC 

Calong-calong S/S

 TPC

Toledo S/S

Cebu S/S

Mandaue S/S

Lapu-Lapu S/S

Qiot S/S

Naga S/S
CTPP
CDPP
LBGT 

Colon S/S
KSPC 
Aya S/S

- Legend:
-  230 kV
 -  138 kV
 -  69 kV



VISAYAS

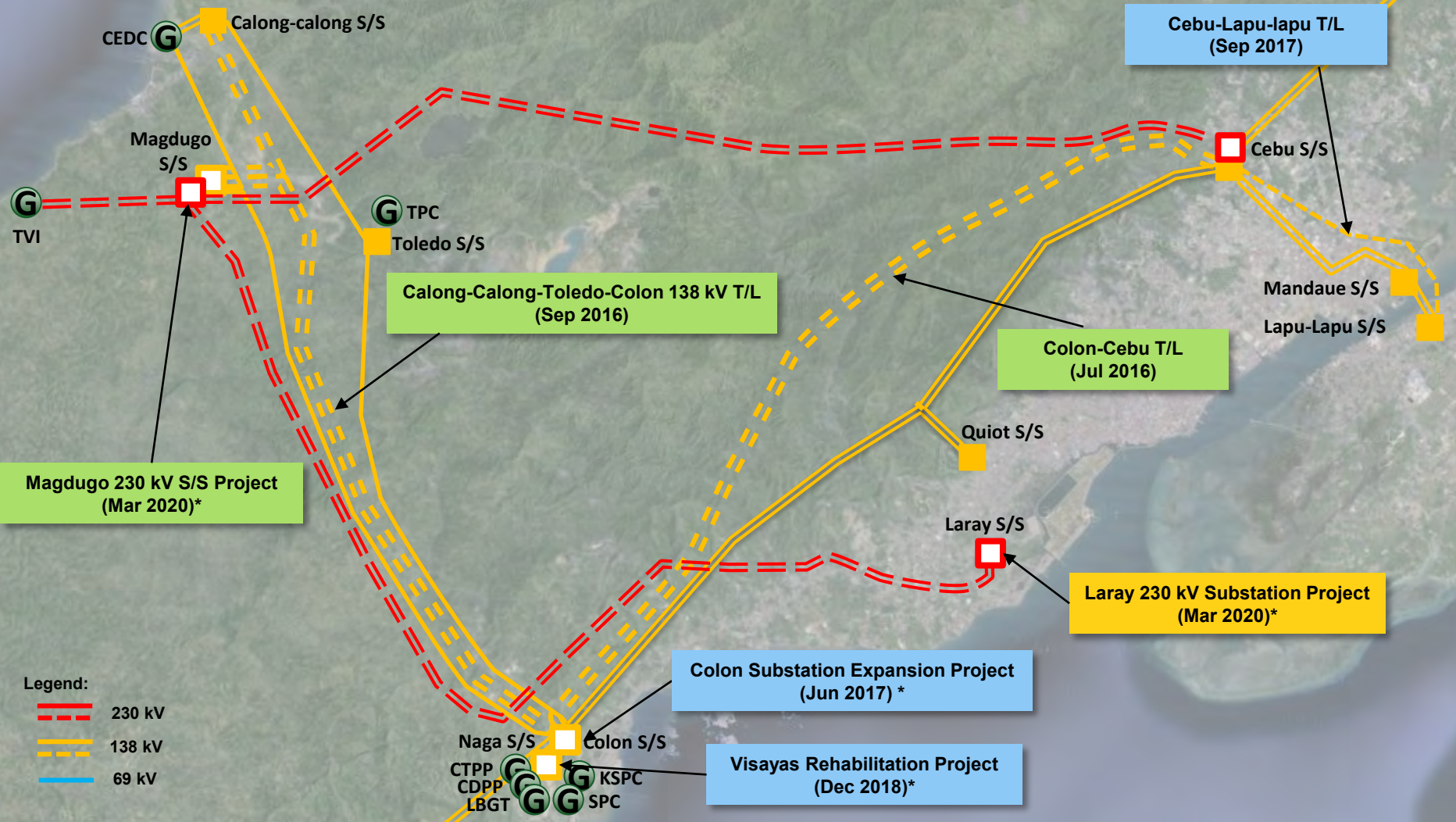
2020

Load Growth

Generation Entry

System Reliability

* For ERC Approval



Magdugo 230 kV S/S Project (Mar 2020)*

Calong-Calong-Toledo-Colon 138 kV T/L (Sep 2016)

Colon-Cebu T/L (Jul 2016)

Cebu-Lapu-lapu T/L (Sep 2017)

Laray 230 kV Substation Project (Mar 2020)*

Colon Substation Expansion Project (Jun 2017)*

Visayas Rehabilitation Project (Dec 2018)*

- Legend:
- 230 kV
 - 138 kV
 - 69 kV

VISAYAS

Load Growth

2025



Legend:

- 230 kV
- 138 kV
- 69 kV

Umapad 230 kV Substation Project
(Jun 2023)

VISAYAS

2015



Legend:

- — — 230 kV
- — — 138 kV
- — — 69 kV

VISAYAS

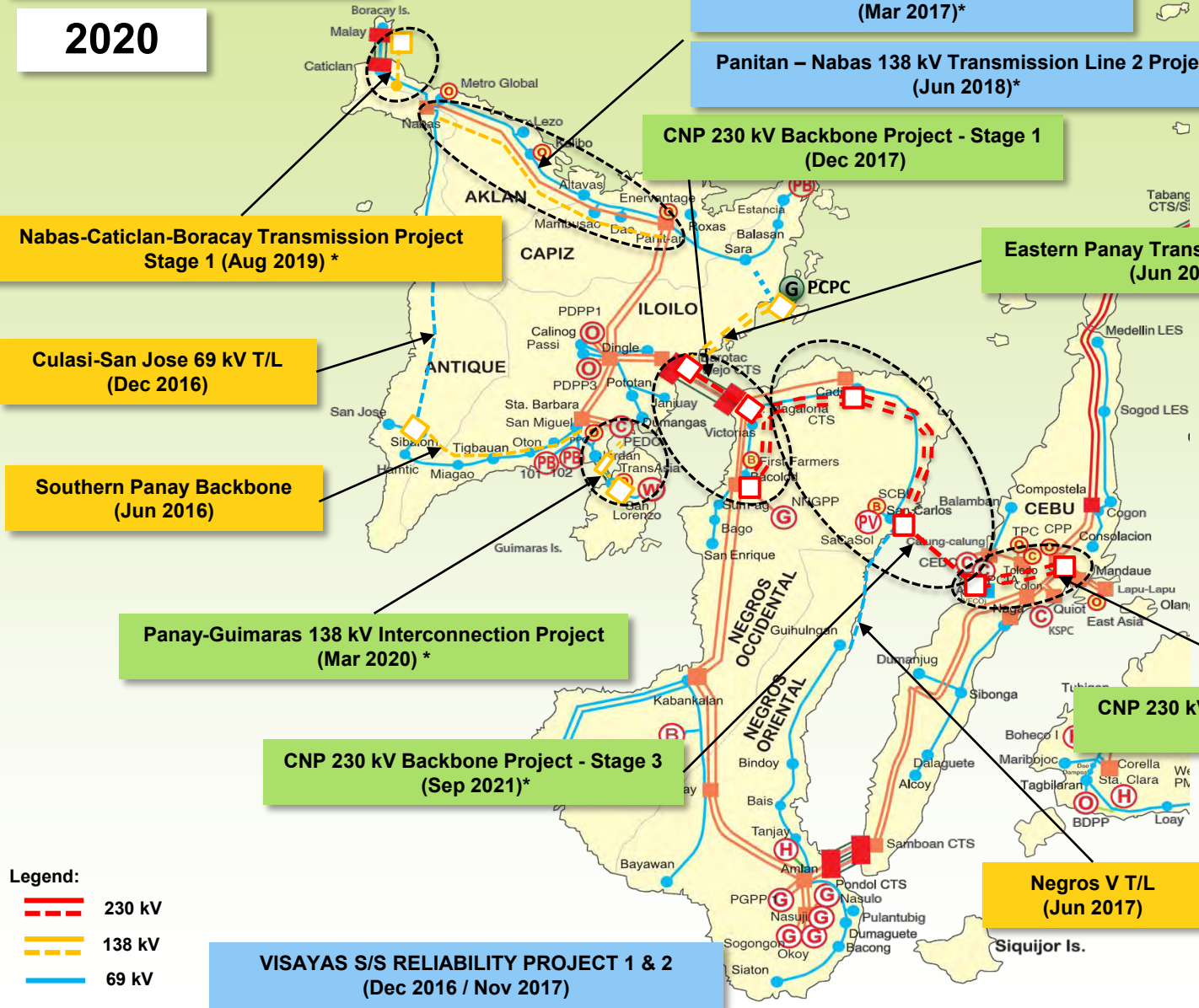
2020

Load Growth

Generation Entry

System Reliability

* For ERC Approval



Panitan – Nabas 138 kV T/L Upgrading
(Mar 2017)*

Panitan – Nabas 138 kV Transmission Line 2 Project
(Jun 2018)*

CNP 230 kV Backbone Project - Stage 1
(Dec 2017)

Nabas-Caticlan-Boracay Transmission Project
Stage 1 (Aug 2019) *

Eastern Panay Transmission Project
(Jun 2016)

Culasi-San Jose 69 kV T/L
(Dec 2016)

Southern Panay Backbone
(Jun 2016)

Panay-Guimaras 138 kV Interconnection Project
(Mar 2020) *

CNP 230 kV Backbone Project - Stage 3
(Sep 2021)*

CNP 230 kV Backbone Project - Stage 2
(Dec 2018)*

Negros V T/L
(Jun 2017)

VISAYAS S/S RELIABILITY PROJECT 1 & 2
(Dec 2016 / Nov 2017)

Legend:

- ▬▬▬ 230 kV
- - - 138 kV
- ▬▬▬ 69 kV

VISAYAS

2025

Load Growth

Generation Entry

System Reliability

* For ERC Approval

Nabas-Caticlan-Boracay Transmission Project
Stage 2 (Dec 2019)*

Sta. Barbara-Dingle 138 kV Line 3 Project
(Dec 2023)*

Kabankalan S/S Reliability Improvement Project
(Jun 2024)*

Legend:

- 230 kV
- 138 kV
- 69 kV



VISAYAS

2020

Load Growth

Power Quality

System Reliability

* For ERC Approval

Upgrading of Ormoc/Tongonan-Isabel 138 kV T/L
(Apr 2017)*

Sta. Rita-Quinapondan 69 kV T/L
(Mar 2017)

Ormoc-Babatngon 138 kV T/L
(Sep 2016)

VISAYAS VOLTAGE IMPROVEMENT
Stage 1 (Mar 2019)*

Ormoc-Maasin 138 kV T/L
(Feb 2017)

Tagbilaran 69 kV S/S Project
(Aug 2019)*

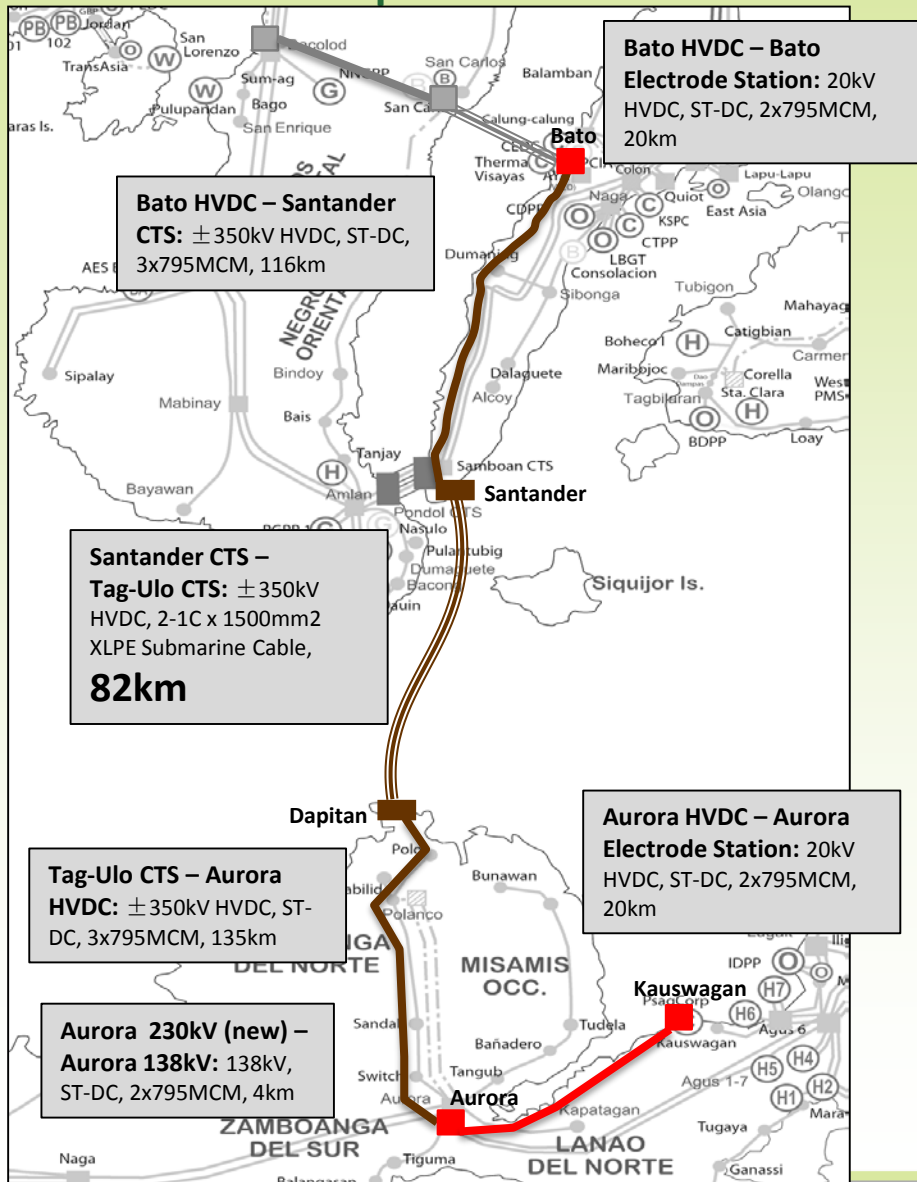


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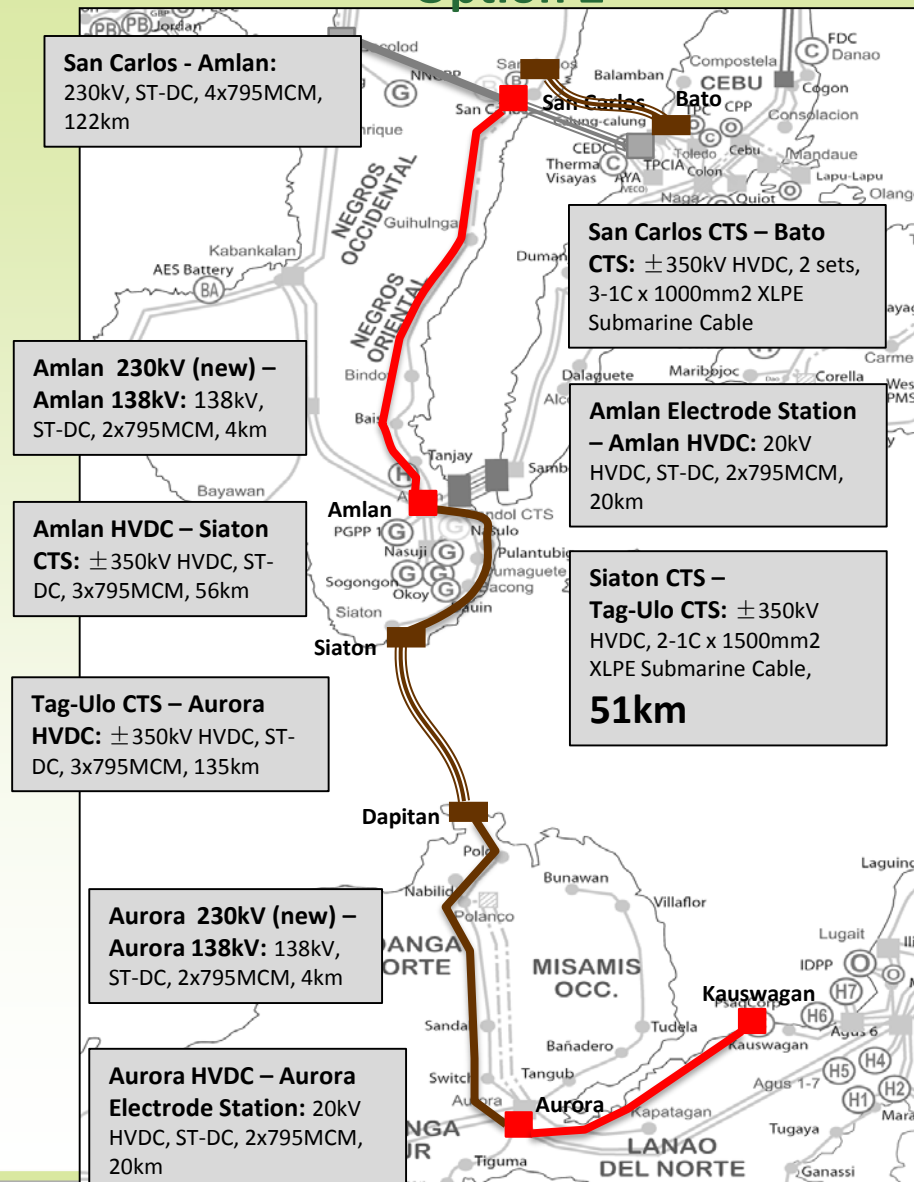
- 230 kV
- 138 kV
- 69 kV

Visayas-Mindanao Interconnection Project (VMIP)

Option 1



Option 2





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End of Presentation

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