

POWER SITUATION

Waterfront Hotel

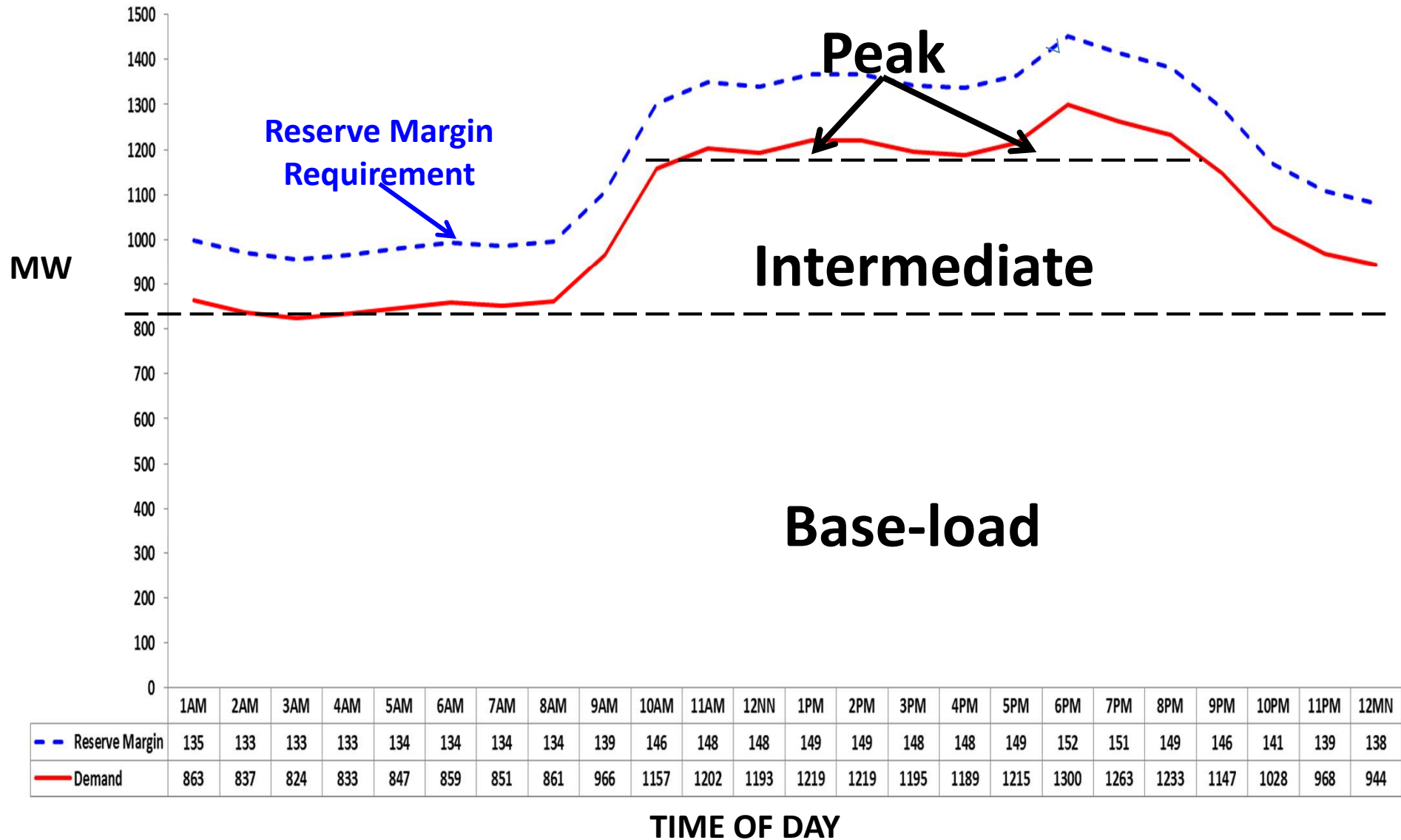
Davao City

13 April 2012





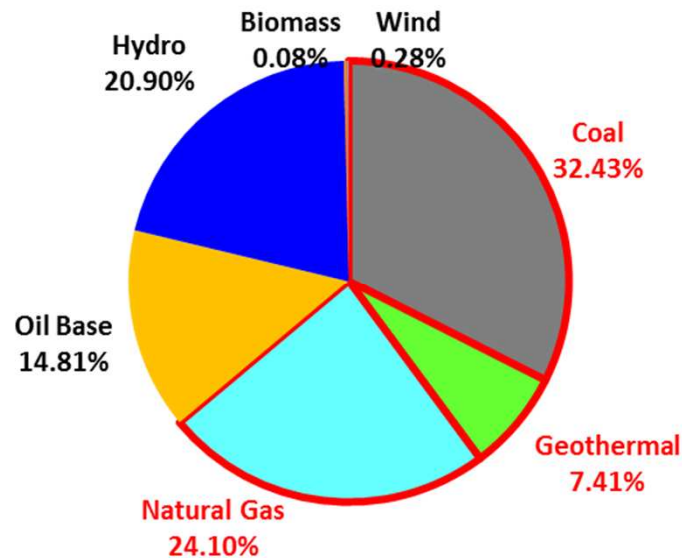
Three different types of demand – Base load, Intermediate and Peak





Capacity Mix

LUZON

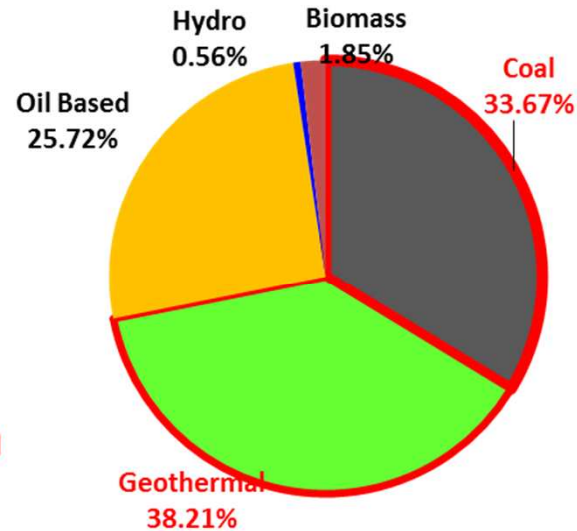


Installed Capacity
= 11,869 MW

BASELOAD
POWER PLANTS:

63.94%

VISAYAS

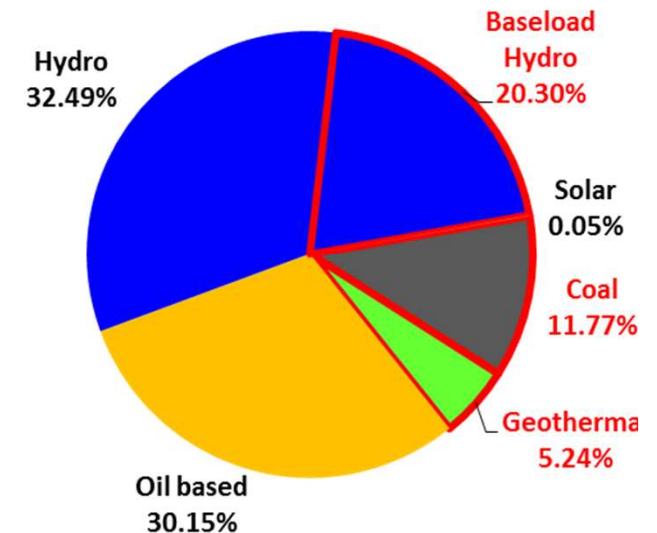


Installed Capacity
= 2,393 MW

BASELOAD
POWER PLANTS:

71.88%

MINDANAO



Installed Capacity
= 1,971 MW

BASELOAD
POWER PLANTS:

37.31%

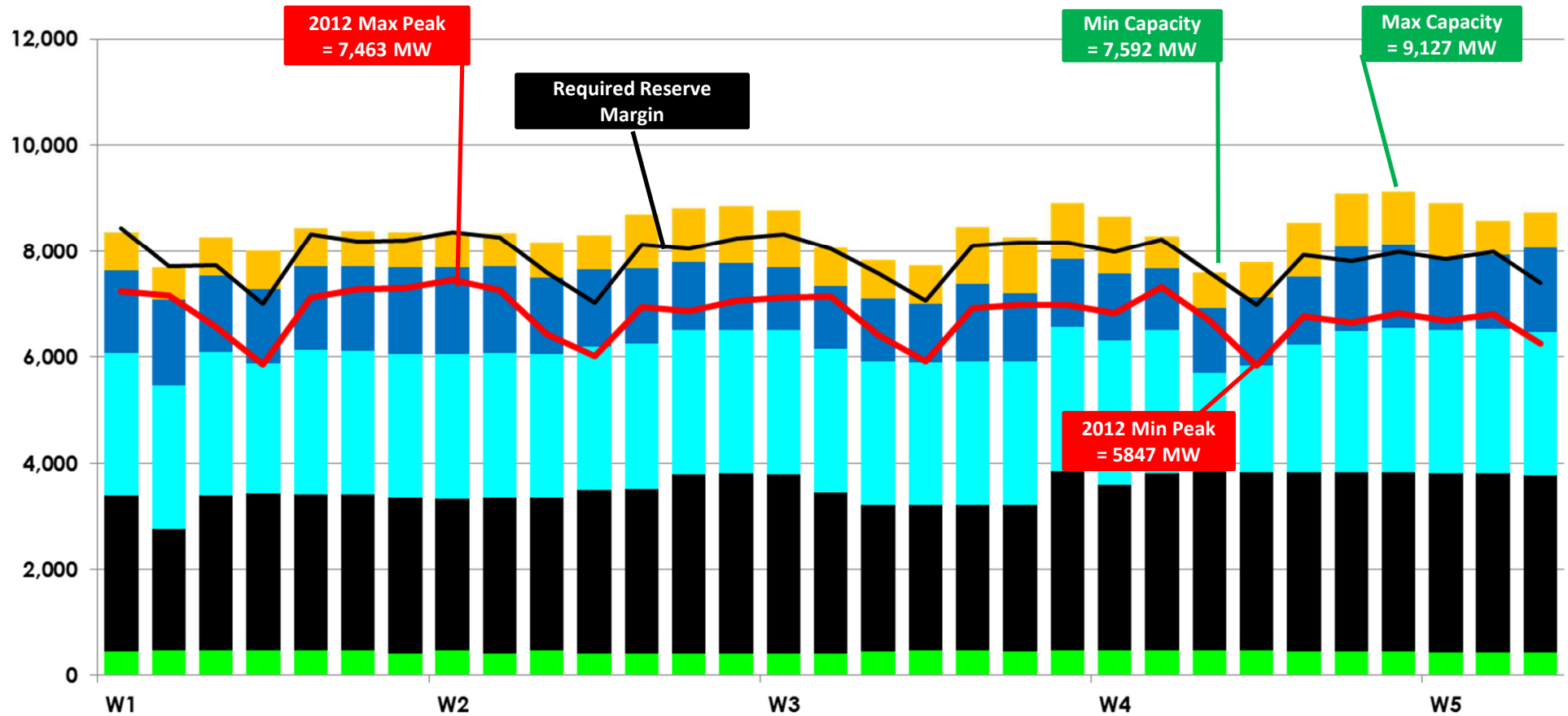
Note:

- Base-load Power Plants are the facilities used to meet some or all of a given continuous energy demand, and produce energy at a constant rate, usually at low cost relative to other facilities available to the system



Luzon Grid Supply-Demand Situation

MARCH 2012



Legend:

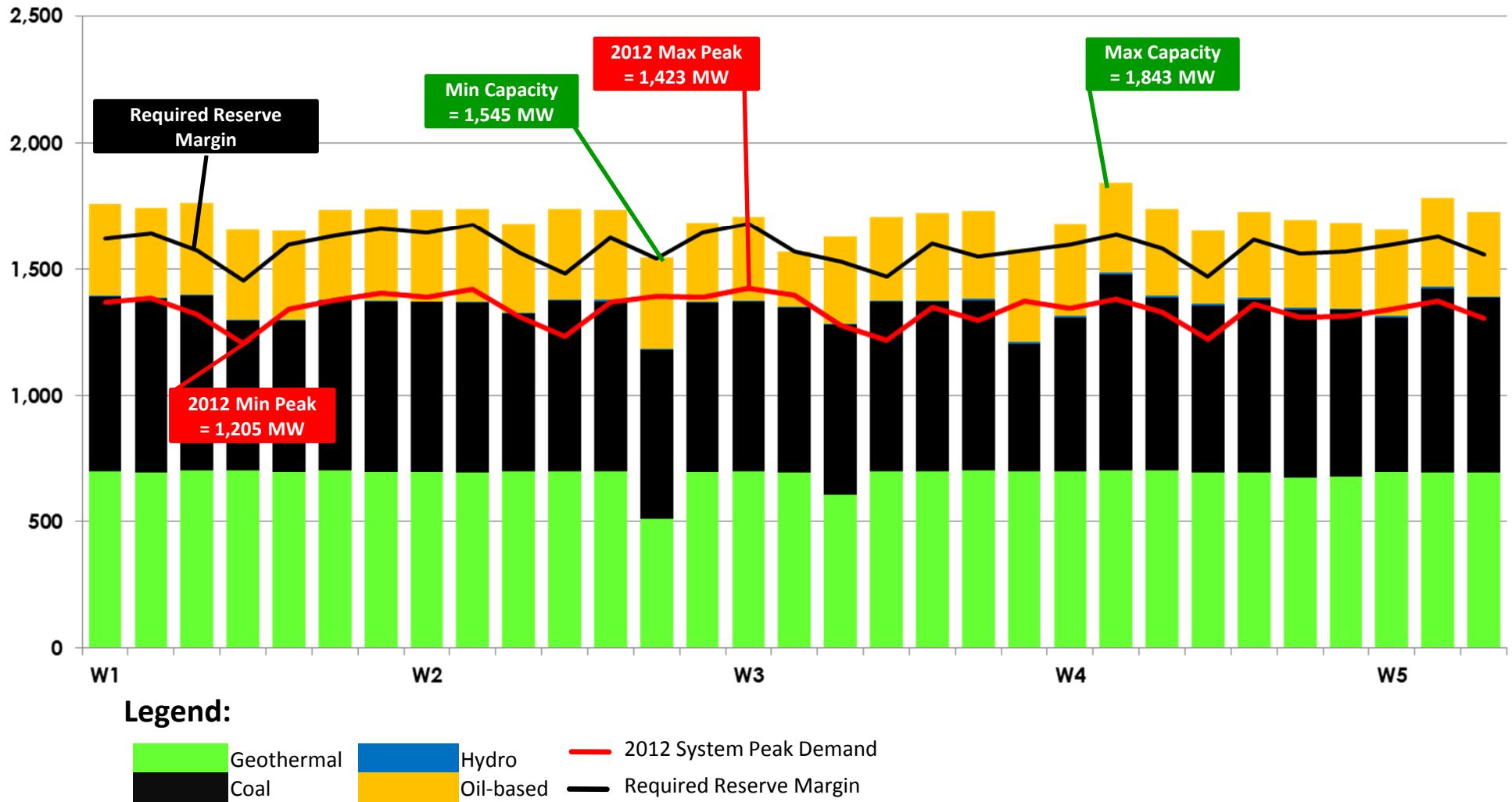


Source: DOR & DOH of NGCP



Visayas Grid Supply-Demand Situation

MARCH 2012

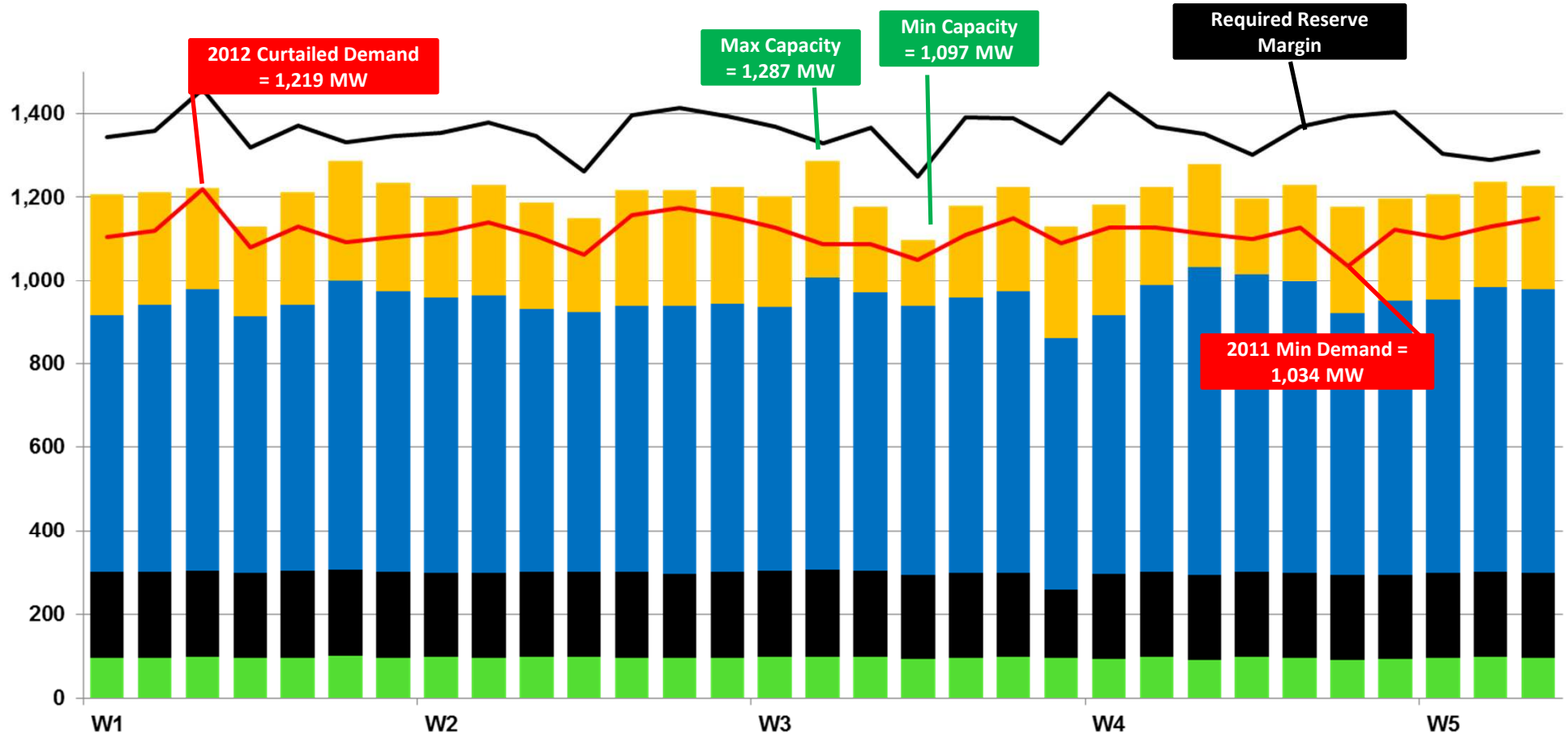


Source: DOR & DOH of NGCP

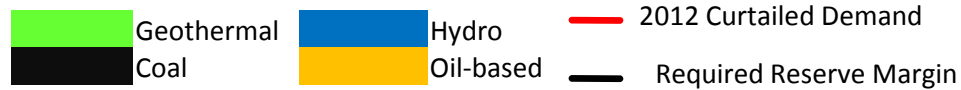


Mindanao Grid Supply-Demand Situation

MARCH 2012



Legend:



Source: DOR & DOH of NGCP



Mindanao Power Situation

Status of Hydroelectric Power Plant

Plant Name	Installed Capacity(MW)	Available Capacity (MW)	
		Peak	Off-peak
Agus 1	80	56	40
Agus 2	180	90	70
Agus 4	158.1	150	130
Agus 5	55	54	48
Agus 6	200	130	130
Agus 7	54	26	26
Pulangi	255	140	90
Total	982.1	646	534

Notes:

- Peak capacity refers to the capability of the power plant to operate continuously for three hours.
- Off-peak capacity is the minimum stable plant loading.



Mindanao Power Situation

Status of Thermal Power Plant

Plant Name	Installed Capacity(MW)	Available Capacity (MW)	
		Peak	Off-peak
Mindanao Coal (STEAG)	210	200	180
Mt. Apo Geo	108.5	92	92
APTMI 1	100.3	96	60
APTMI 2	100.3	96	60
SPPC	56	50	45
WMPC	112	90	85
PB 104	32	10	5
IDPP	102	0	0
Total	821.1	634	527

Notes:

- Peak capacity refers to the capability of the power plant to operate continuously for three hours.
- Off-peak capacity is the minimum stable plant loading.



Power Supply-Demand Situation

March 2012

Power Supply and Demand	LUZON	VISAYAS	MINDANAO
Available Capacity	9,127	1,843	1,280
Peak Demand*	7,346	1,423	1,300
Surplus/(Deficit)	1,781	420	(20)
Required Reserve Margin	1,588	257	150
Peak Demand + Reserve Margin	8,934	1,680	1,450
Surplus/(Deficit) @ Demand + Reserve Margin	193	163	(170)
			Pulangi after repair
			100
			Embedded Generation
			74

Notes:

- Source of data, NGCP Daily Operation Report
- * Actual System Peak Demand for the Month of March 2012 for Luzon-Visayas Grid
- * Projected System Peak Demand for the Month of March 2012 for Mindanao Grid

END OF PRESENTATION

POWER SITUATION

Waterfront Hotel

Davao City

13 April 2012

