



Wholesale Electricity
Spot Market

UPDATES ON THE

ELECTRICITY MARKET

IN THE

VISAYAS REGION

OUTLINE



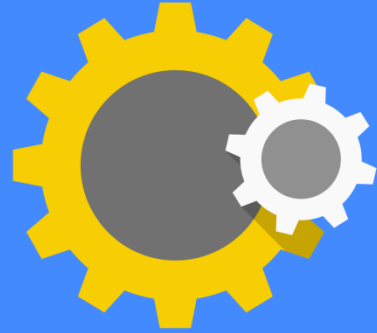
Market Highlights



Registration Summary



Regulatory Updates



Market Highlights

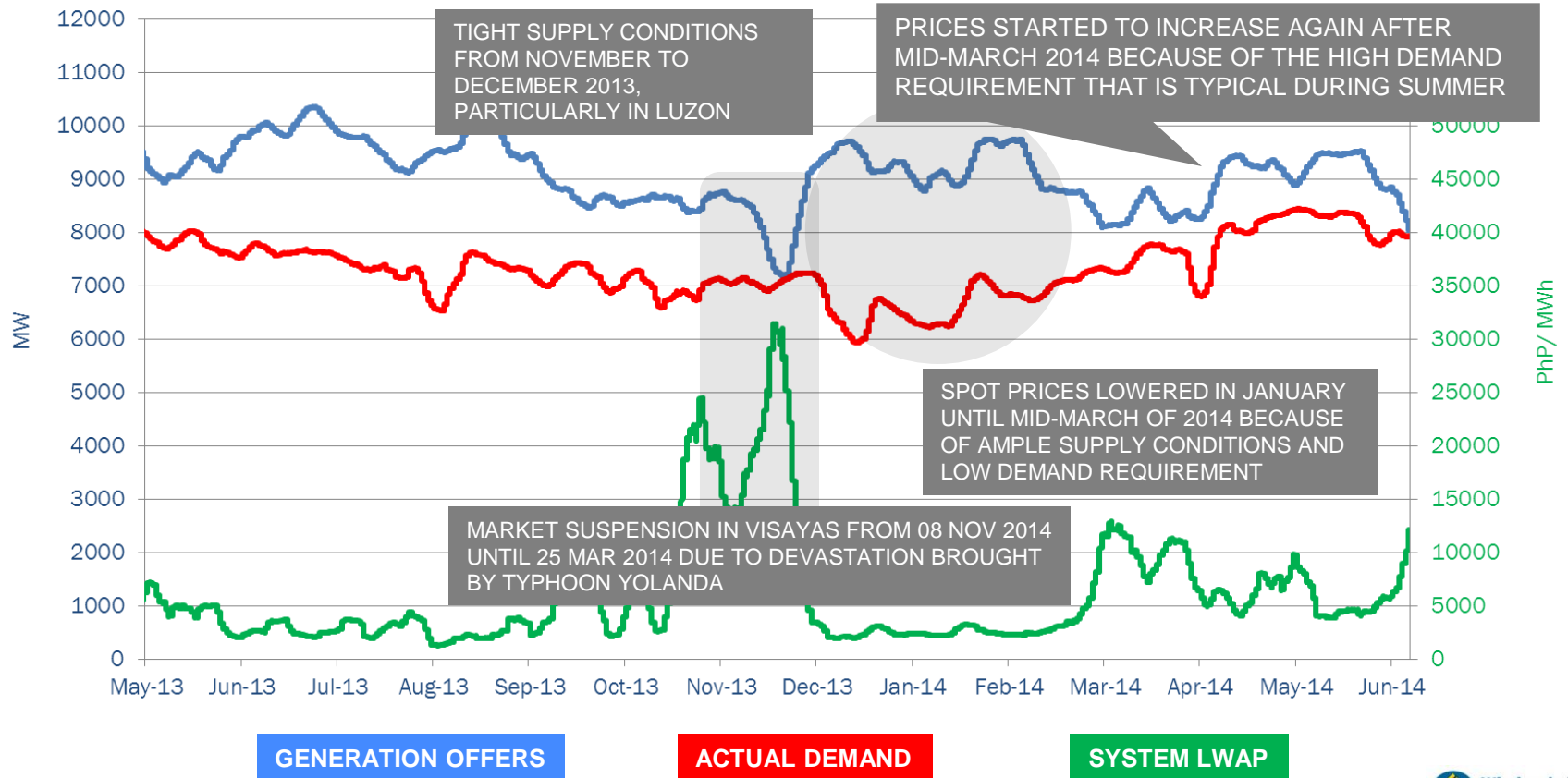


Operations Summary

- **7 November 2013 to 25 March 2014:** Visayas Market suspension due to the damage of typhoon Yolanda.
 - Administered Prices were imposed in the Visayas Region during those periods.
- **26 March 2014:** Market Suspension was lifted



Seven-Day Moving Average – System (Luzon-Visayas)





May 2013 – June 2014 Market Demand and Prices

Month	System		Luzon		Visayas	
	Demand	LWAP	Demand	LWAP	Demand	LWAP
July 2013	9,449		8,017		1,510	
August 2013	9,124		7,764		1,499	
September 2013	9,354		7,918		1,528	
October 2013	8,969		7,582		1,458	
November 2013	8,808		7,495		1,489	
December 2013	8,801		7,606		1,260	
January 2014	8,306		7,066		1,294	
February 2014	8,722		7,475		1,307	
March 2014	8,900		7,639		1,367	
April 2014	9,623		8,203		1,472	
May 2014	10,145		8,671		1,512	
June 2014	10,095		8,589		1,535	



May 2013 – June 2014 Market Demand and Prices

Month	System		Luzon		Visayas	
	Demand	LWAP	Demand	LWAP	Demand	LWAP
July 2013	9,449	2,867	8,017	2,865	1,510	2,876
August 2013	9,124	3,162	7,764	3,202	1,499	2,950
September 2013	9,354	2,735	7,918	2,678	1,528	3,028
October 2013	8,969	6,590	7,582	6,641	1,458	6,320
November 2013	8,808	15,171	7,495	16,122	1,489	3,454
December 2013	8,801	18,194	7,606	18,194	1,260	3,833
January 2014	8,306	2,309	7,066	2,309	1,294	3,634
February 2014	8,722	2,488	7,475	2,488	1,307	3,922
March 2014	8,900	6,788	7,639	6,788	1,367	3,367
April 2014	9,623	9,416	8,203	9,951	1,472	6,377
May 2014	10,145	6,729	8,671	6,642	1,512	7,220
June 2014	10,095	6,766	8,589	6,773	1,535	6,728

1. Visayas Grid is on Market Suspension starting 08 November 2013 – 25 March 2014.
2. Visayas LWAP refers to Load-Weighted Average of the Administered Prices.



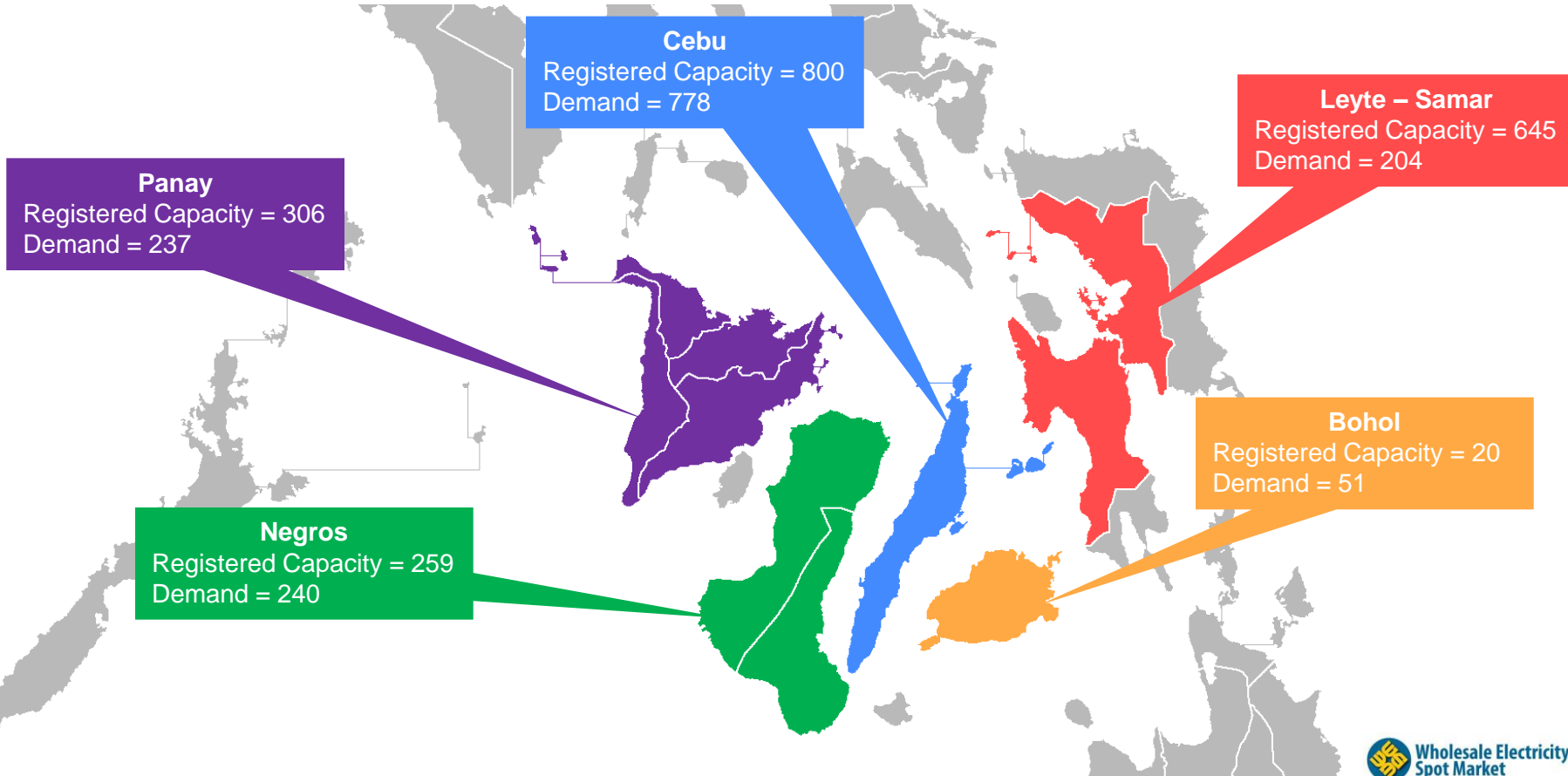
2011 - 2013 Market Summaries

	Registered Capacity (MW)			Average Energy Offers (MWh)			Peak Demand (MW)			Total Energy (GWh)		
	2011	2012	2013	2011	2012	2013	2011	2012	2013	2011	2012	2013
Luzon	11,439	12,203	12,524	6,831	7,102	7,526	7,485	7,921	8,232	45,426	47,802	49,642
Visayas	2,078	2,031	2,031	1,418	1,544	1,538	1,453	1,463	1,540	7,676	8,020	8,265

	Registered Capacity (MW)			Peak Demand (MW)			Total Energy (GWh)		
	2011	2012	2013	2011	2012	2013	2011	2012	2013
LEYTE	692	645	645	181	195	207	1,396	1,142	1,185
CEBU	803	800	800	776	786	798	4,044	4,340	4,472
NEGROS	251	259	259	225	228	223	1,309	1,354	1,413
BOHOL	20	20	20	51	52	61	306	354	348
PANAY	309	306	306	221	203	241	738	835	847

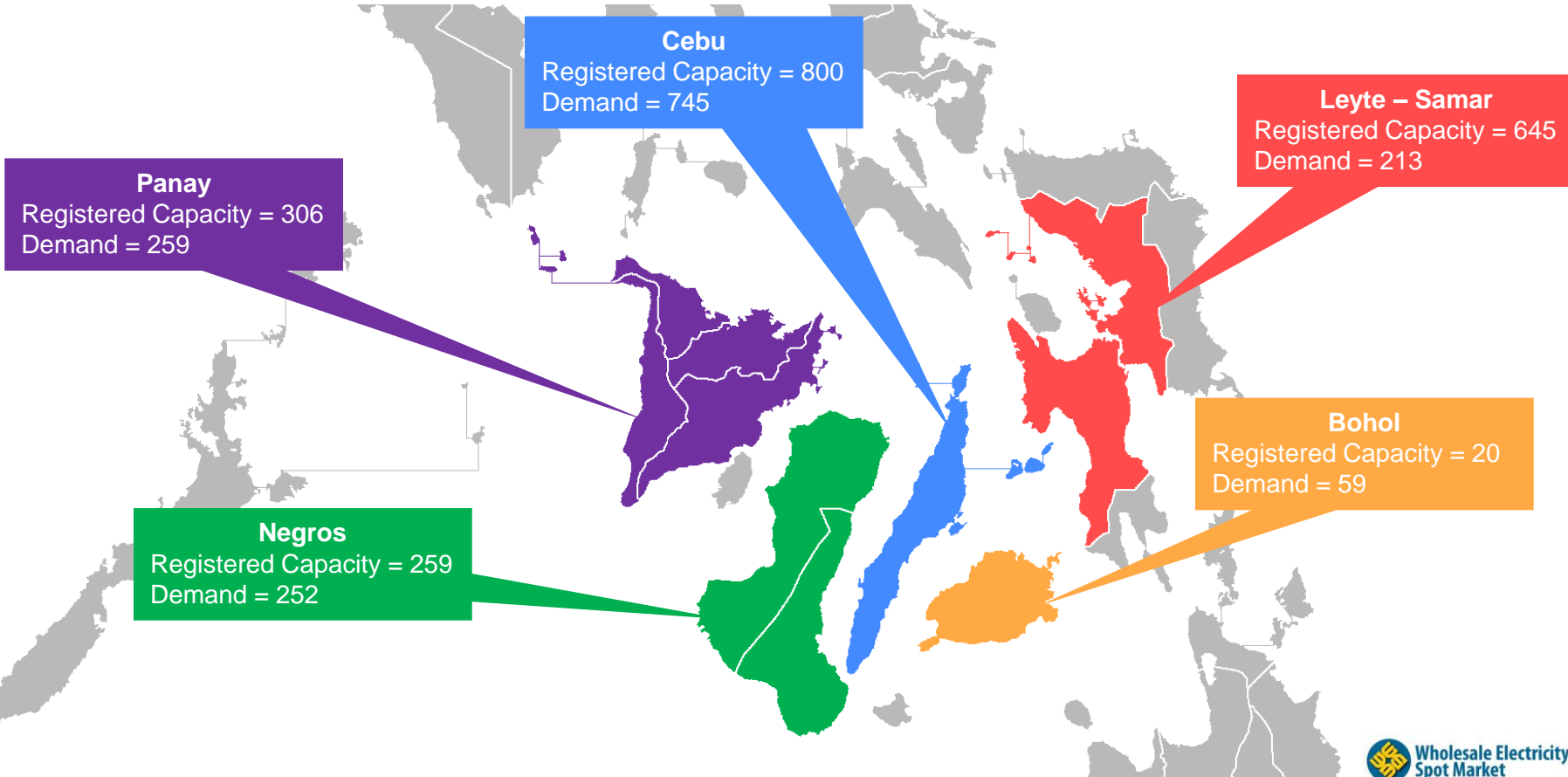


Visayas Islands Statistics - July 2013



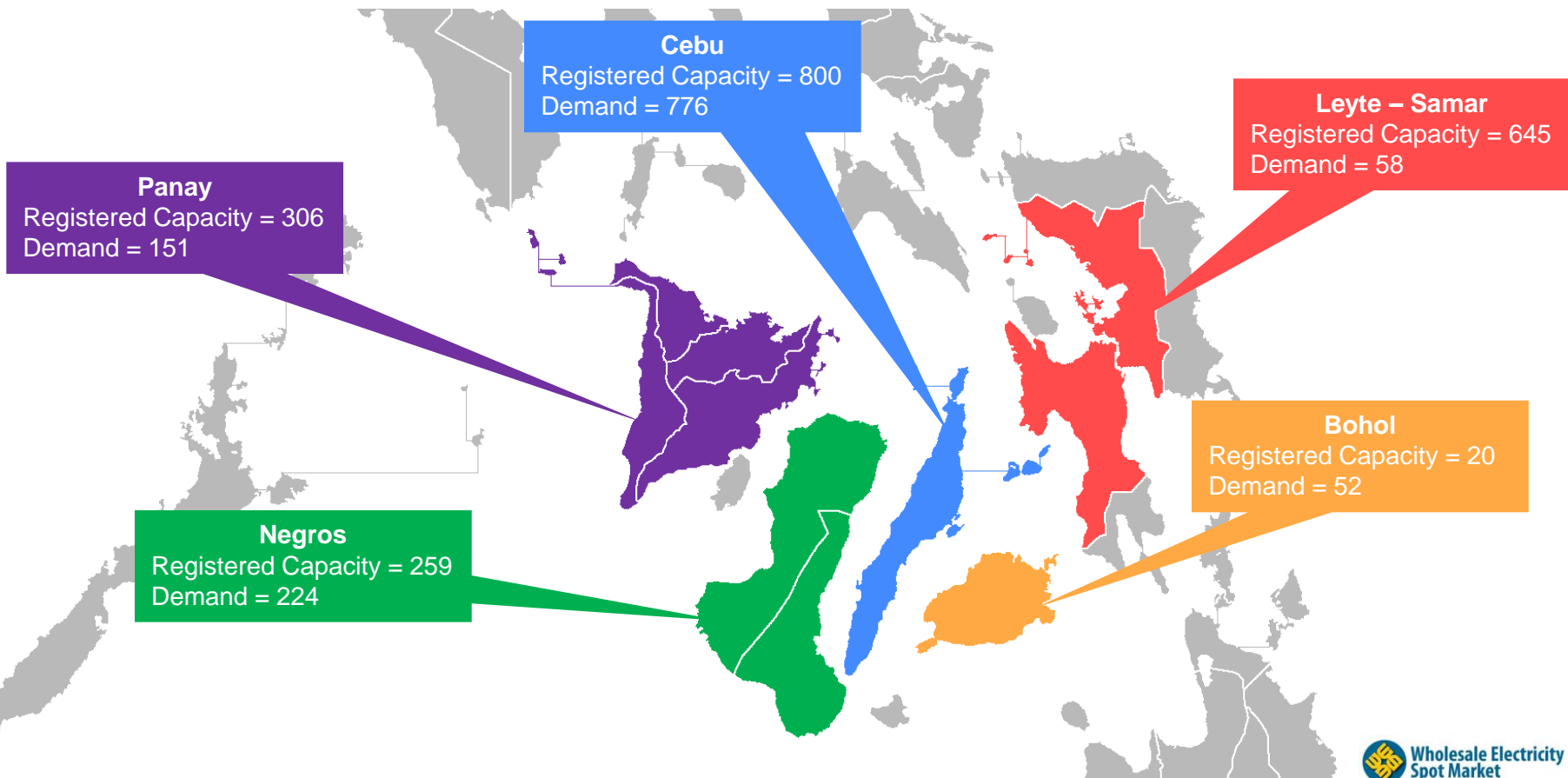


Visayas Islands Statistics - September 2013



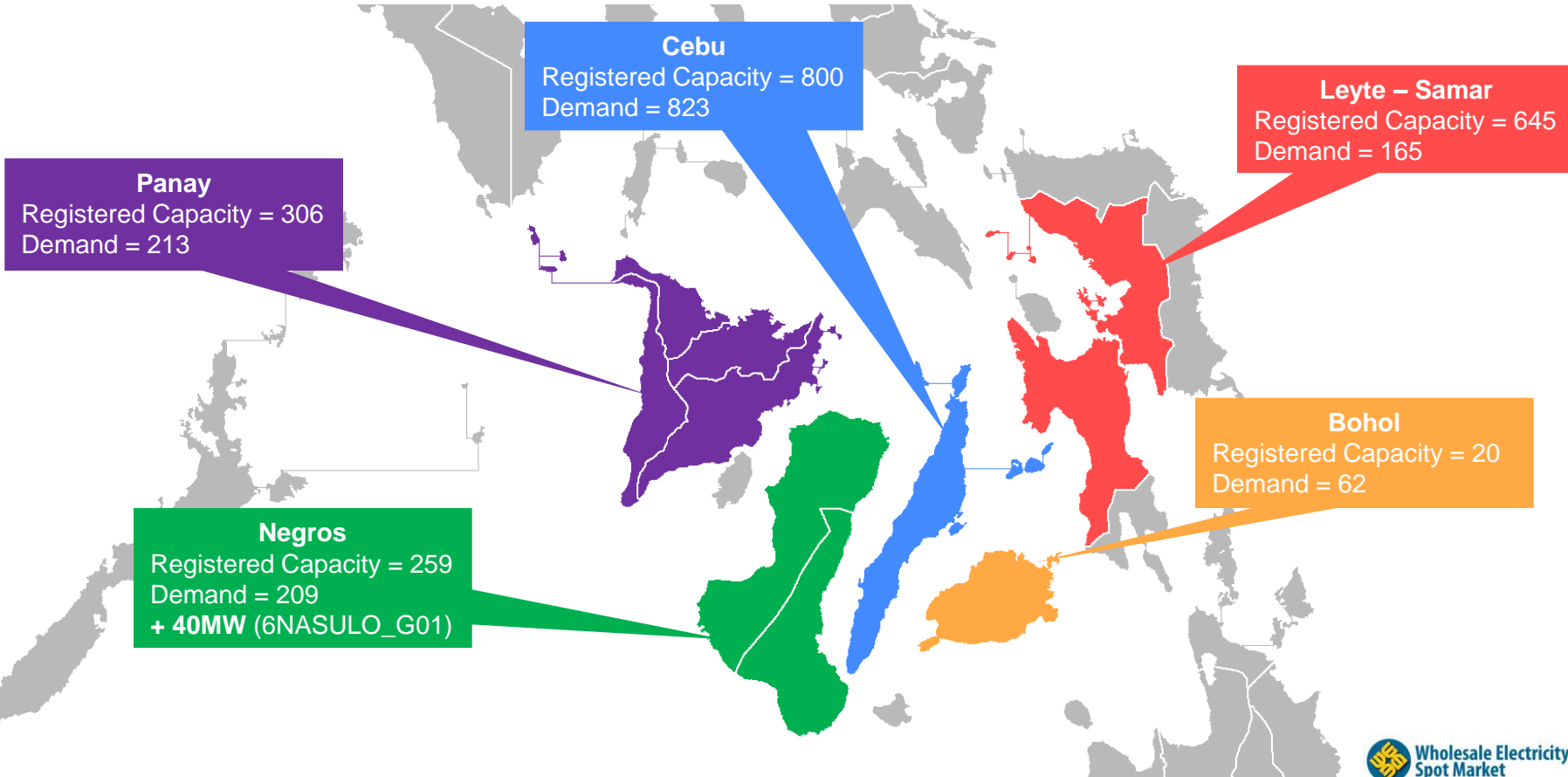


Visayas Islands Statistics - December 2013



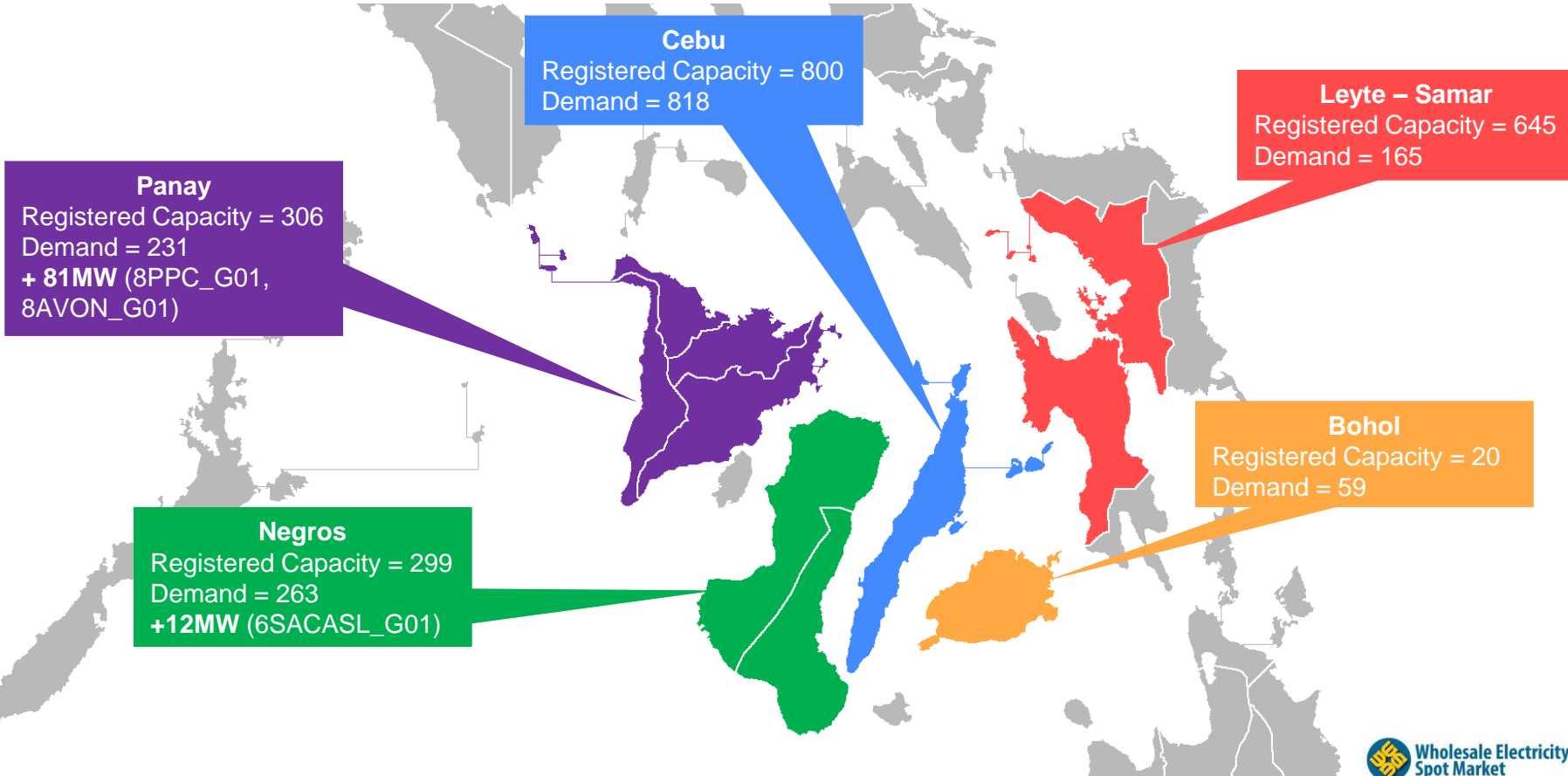


Visayas Islands Statistics - April 2014





Visayas Islands Statistics - June 2014



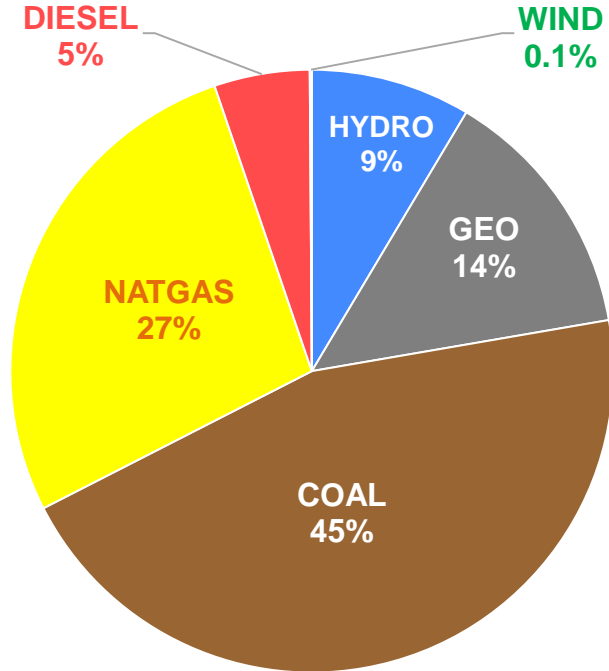


Visayas Islands Statistics

Month	Visayas			Leyte - Samar		Cebu		Negros		Bohol		Panay		Remarks
	Reg Cap	Demand	LWAP	Reg Cap	Demand	Reg Cap	Demand	Reg Cap	Demand	Reg Cap	Demand	Reg Cap	Demand	
July 2013	2031	1,510	2,876	645	204	800	778	259	240	20	51	306	237	
August 2013	2031	1,499	2,950	645	210	800	785	259	240	20	49	306	216	
September 2013	2031	1,528	3,028	645	213	800	745	259	252	20	59	306	259	
October 2013	2031	1,458	6,320	645	204	800	752	259	231	20	60	306	210	
November 2013	2031	1,489	3,454	645	201	800	784	259	226	20	48	306	229	
December 2013	2031	1,260	3,833	645	58	800	776	259	224	20	52	306	151	
January 2014	2031	1,294	3,634	645	79	800	714	259	222	20	50	306	229	
February 2014	2031	1,307	3,922	645	88	800	722	259	252	20	51	306	194	
March 2014	2031	1,367	3,367	645	118	800	801	259	202	20	58	306	188	
April 2014	2071	1,472	6,377	645	165	800	823	299	209	20	62	306	213	40MW (6NASULO_G01)
May 2014	2082	1,512	7,220	645	177	800	834	299	233	20	61	309	208	3MW (8GUIM_G01)
June 2014	2175	1,535	6,728	645	165	800	818	310	263	20	59	390	231	93MW (8PPC_G01, 8AVON_G01, 6SACASL_G01)



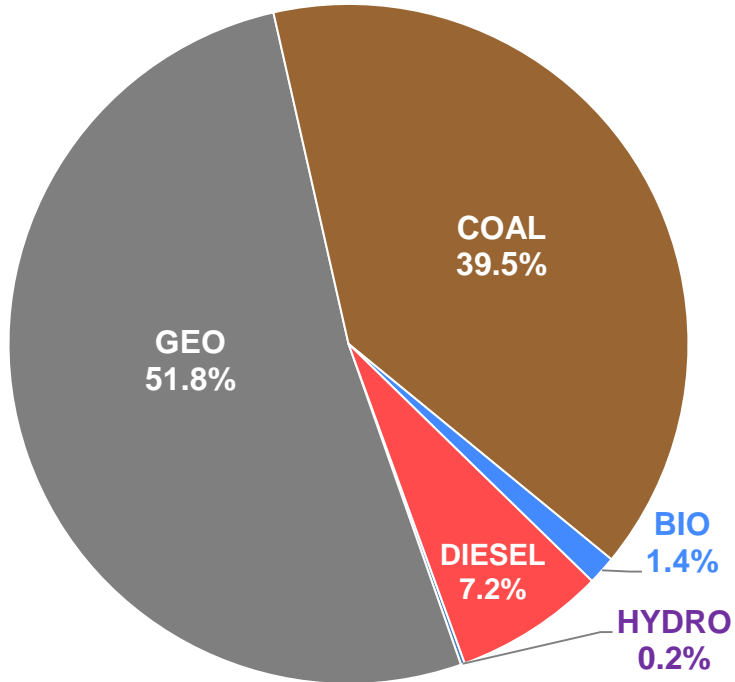
GENERATION MIX – System



	GWh
HYDRO	5,235
GEO	8,378
COAL	27,600
BIO	16,665
DIESEL	3,126
WIND	67
BIO	74
TOTAL	61,144



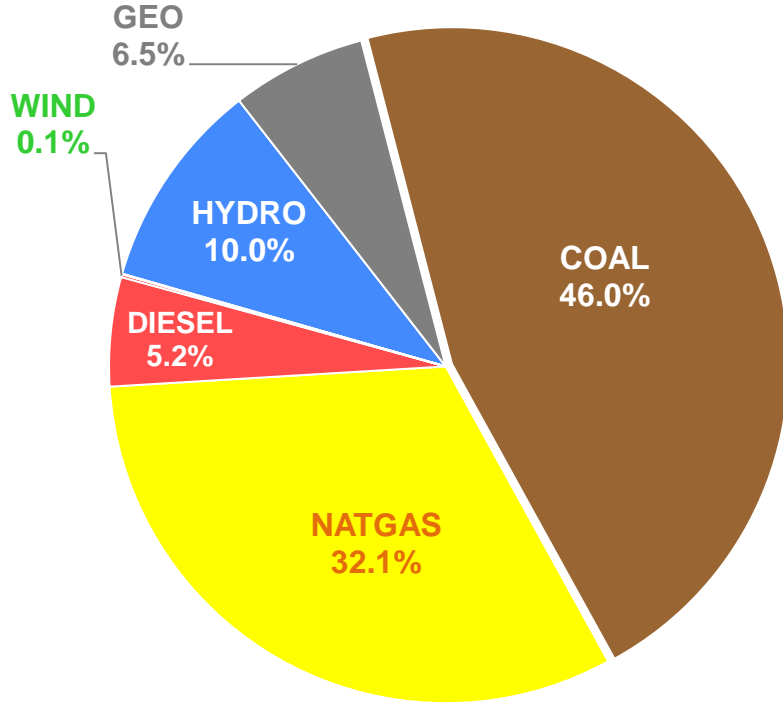
GENERATION MIX - Visayas



PLANTS	GWh
HYDRO	17
GEO	4,778
COAL	3,640
BIO	126
DIESEL	660
Total	9,920



GENERATION MIX – Luzon



PLANTS	GWh
HYDRO	5,218
GEO	3,369
COAL	23,924
BIO	16,665
DIESEL	2,722
WIND	67
BIO	18
TOTAL	51,984

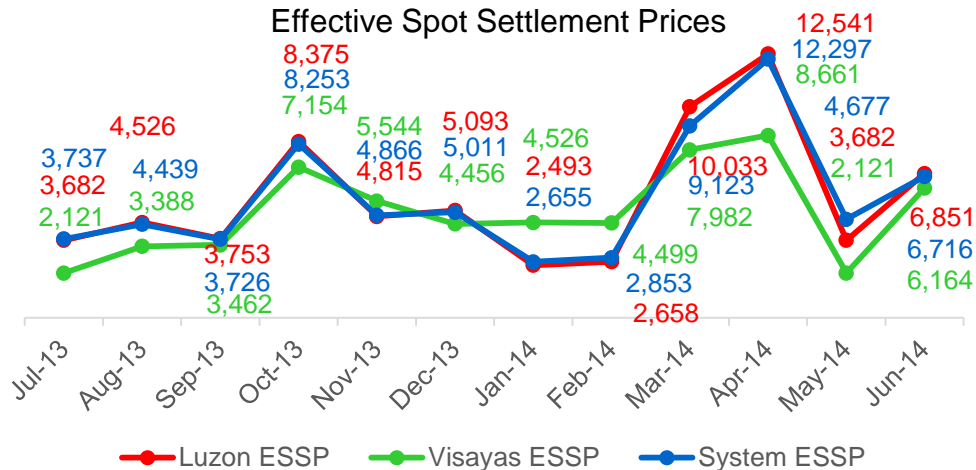
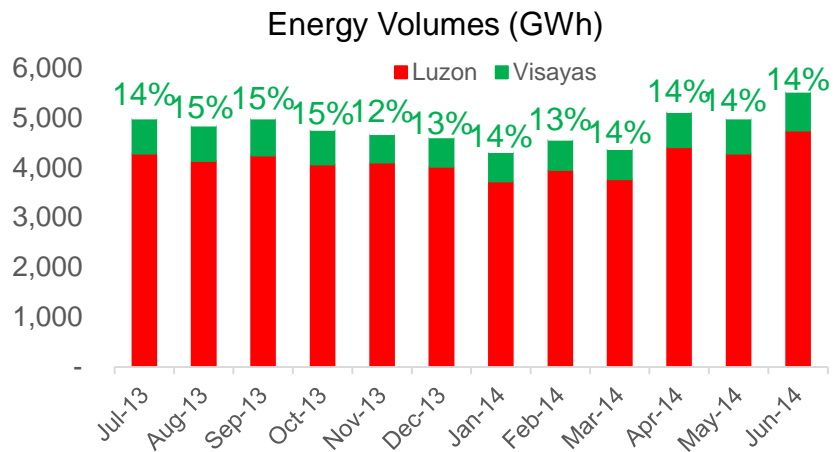


2011-2013 Generation Mix

	Luzon			Visayas		
	2011	2012	2013	2011	2012	2013
HYDRO	10.30%	10.71%	10.42%	0.38%	0.28%	0.22%
GEO	6.81%	6.91%	6.25%	59.37%	57.10%	54.90%
COAL	37.73%	40.82%	45.47%	37.06%	38.73%	40.60%
NAT GAS	43.54%	39.32%	33.91%	0.00%	0.00%	0.00%
DIESEL/OIL	1.44%	2.08%	3.82%	2.98%	3.57%	3.73%
WIND	0.17%	0.15%	0.13%	0.00%	0.00%	0.00%
BIO	0.00%	0.00%	0.00%	0.22%	0.32%	0.55%



July 2013 – June 2014 Settlement Summaries



VISAYAS	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Annual
BCQ (in GWh)	701	693	706	650	537	524	572	572	566	683	701	708	7,612
Spot Quantity (in GWh)	5	23	36	51	38	64	19	40	42	28	5	77	428
% Spot	1%	3%	5%	7%	7%	11%	3%	7%	7%	4%	1%	10%	5%
LUZON	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Annual
BCQ (in GWh)	3,499	3,857	3,906	3,604	3,612	3,462	3,503	3,614	3,448	4,070	3,499	4,429	44,503
Spot Quantity (in GWh)	348	276	341	462	491	528	219	341	321	343	348	315	4,332
% Spot	9%	7%	8%	11%	12%	13%	6%	9%	9%	8%	9%	7%	9%



Registration Summary



Visayas Registration Summary (as of July 2014)

CATEGORY	2014
Generation Companies	20
Customer- Private Distribution Utilities and Local Government Utilities	3
Customer-Electric Cooperatives	28
Customer- Directly-Connected Customers	15
Contestable Customer	1
	67



Registered Capacity Per Region

CATEGORY	2011	2012	2013	2014
Leyte	693	645	645	645
Cebu	803	800	800	800
Negros	251	259	259	311
Bohol	21	20	20	20
Panay	309	306	306	398
Total	2078	2031	2031	2175



New Generator Trading Participants/ Facilities for 2014

TRADING PARTICIPANT	FACILITY	Nameplate Capacity (MW)
San Carlos Solar Energy, Inc.	Phase 1A Solar Power Plant	13.00 (MWp DC)
Energy Development Corporation	Nasulo Geothermal Power Plant	49.37
Panay Power Corporation	PPC 1 Diesel Power Plant	94.88
Panay Power Corporation	PPC 2 Diesel Power Plant	20



Generator Applicants

GENERATOR WESM APPLICANTS	PLANT TYPE	Nameplate Capacity (MW)
Apo Cement Corporation	Diesel	67.20
Enervantage Suppliers Co., Inc.	Oil-based	11.00
SPC Power Corporation	Gas Turbine	27.50
Victorias Milling Company, Inc.	Biomass	55.00



Regulatory Updates



ERC Resolution No. 08 of 2014

- **Title:** An Urgent Resolution Setting an Interim Mitigating Measure in the WESM issued by the ERC on 5 May 2014
- **Objective:** To protect public welfare and thwart the replication of exorbitant and unreasonable high market prices like in Nov. and Dec. 2013, there is a need to mitigate sustained high prices in the WESM on an interim basis.
- Further extended by ERC Resolution No. 13, series of 2014



How WESM works for the Visayas?

- Promotes transparency in market information and real-time electricity costs.
- Serves as alternative option for the sourcing of electricity for wholesale customers on top of their bilateral contracts.



Wholesale Electricity
Spot Market



Wholesale Electricity
Spot Market

UPDATES ON THE

ELECTRICITY MARKET

THANK YOU VERY MUCH

IN THE
WESM Works.

VISAYAS REGION