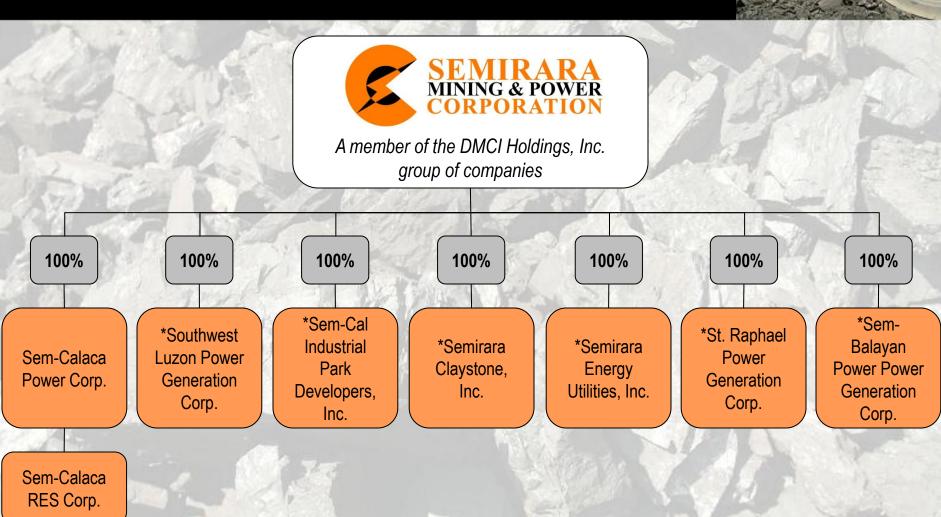
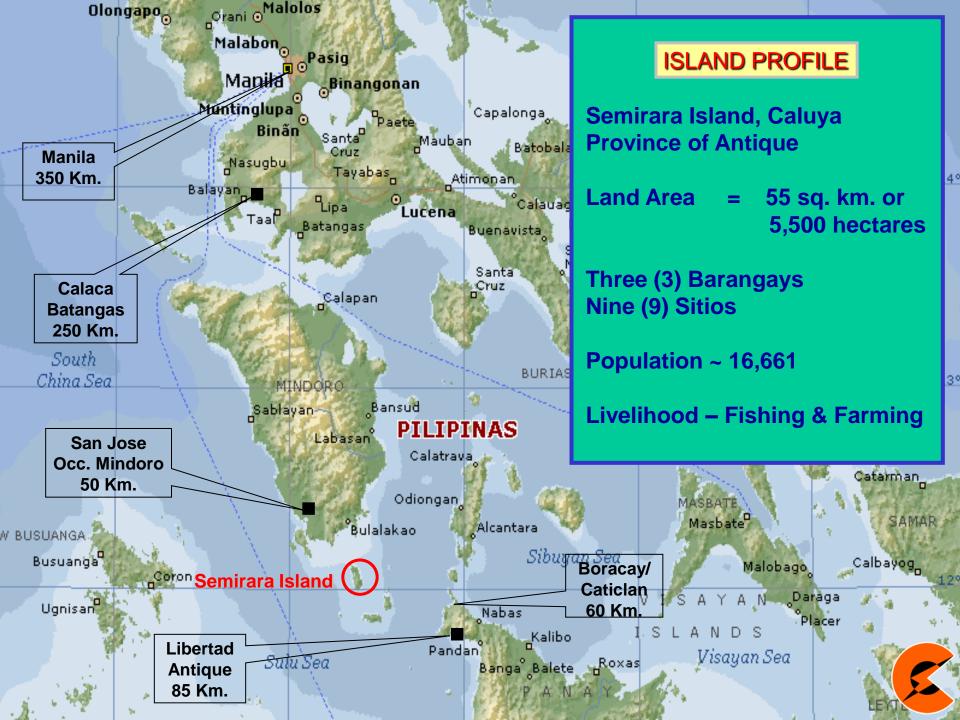


ORGANIZATIONAL STRUCTURE



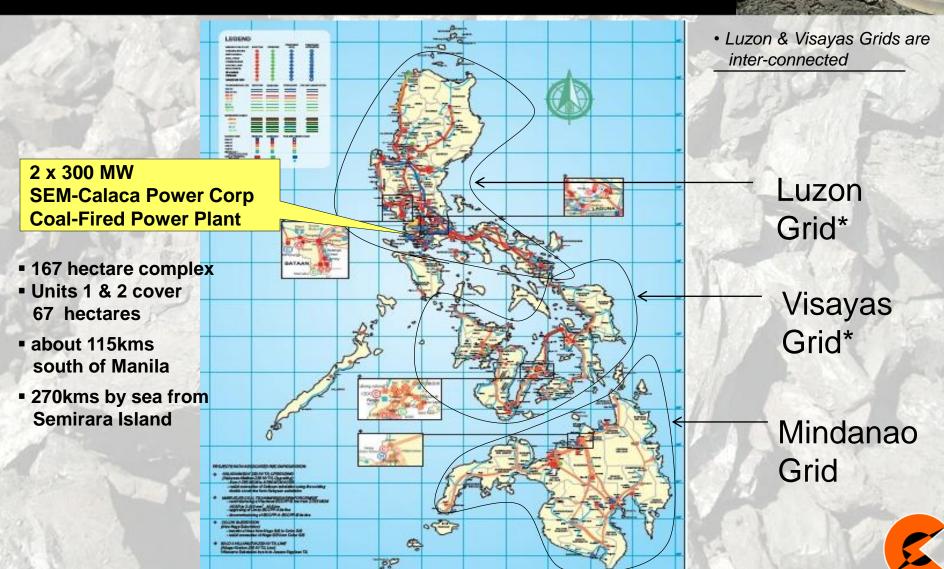


* pre-operating



SEM-CALACA LOCATION





MILESTONES



	<u>1940</u>	Pres. Quezon through Proclamation # 649 declared the islands of Semirara, Sibay, and Caluya of Antique as coal mining reservation
•	<u>1980</u>	Incorporated in the Philippines as a limited liability company
•	1983	Initial public offering, listing on the Philippines Stock Exchange
100	<u>1984</u>	Commercial production at the Unong mine commenced
•	1997	DMCI Holdings, Inc. (DMCI-HI) purchased 40% interest in Semirara
• //	<u>1998</u>	Debt to equity conversion increased DMCI-HI's interest to 74%
100		Installation of coal washing plant
• 12	<u>1999</u>	New management team installed by DMCI-HI
E.	<u>1999-2000</u>	Unong mine depleted, operations commenced at Panian; Full shift from continuous to conventional mining system;
	2004	Capital restructuring increased DMCI-HI's interest to 94.5%; Declared stock dividend of PHP225m, consisting of 225m common shares; Authorized capital increased to 1b shares
•	2005	International and Domestic Offering of 105.046m shares, comprising of 46.875m primary
		shares and 58.171m secondary offering, increased outstanding common shares to 296.875m; DMCI-HI's interest reduced to 60%
•	2007	Maiden voyage carrying 28.8K MTs of coal to Xiamen, China
		SEC's Top 20 PLCs for Corporate Governance
47	<u>2008</u>	Coal Operating Contract is extended up to 14 July 2027 BOI Registration as expanding coal producer ISO Certifications – ISO 9001:2000, ISO14001:2004, OHSAS 18001:2007

Exploratory drilling activities indicated substantial coal deposits Silver Awardee for SEC's Top PLCs for Corporate Governance

MILESTONES



By	2000	Acquisition of 2 x 200 MW Calcas newer plants (Sam Calcas Dawer Constration Corn.)
	<u>2009</u>	Acquisition of 2 x 300 MW Calaca power plants (Sem-Calaca Power Generation Corp.) Silver Awardee for SEC's Top PLCs for Corporate Governance
	<u>2010</u>	Stock Rights Offering of 59.375m shares increased outstanding common shares to 356.25m
		Silver Awardee for SEC's Top PLCs for Corporate Governance
12.5		Most Committed to a Strong Dividend Policy, Finance Asia Magazine's 10th Annual
	100000	Best Managed Company's Poll
	<u>2012</u>	Financial close of PHP 11.5 billion project debt facility to finance Phase 1 expansion Commence Phase I power expansion of 2x150 MW in Calaca (Southwest Luzon Power
		Generation Corp.)
665	2012	BOI Registration of Bobog Mine under non-pioneer status, maximum of 8 years
	<u>2013</u>	2nd Runner Up, ASEAN Best Practices in Coal Projects – CSR category, 2013 ASEAN Coal Energy Awards
		6 th among Most Committed to a Strong Dividend Policy, Finance Asia Magazine's
		13th Annual Best Managed Company's Poll
		Among the top 10 finalists (out of 289 PLCs) in 2013 PSE Bell Awards for
		Corporate Governance
		Awarded 2 new mining areas (Mindoro and Mindanao)
		Incorporated 2 new corporations for power capacity expansion
47	<u>2014</u>	4th among Most Committed to a Strong Dividend Policy and
	The state of	9th Best Corporate Social Responsibility, Finance Asia Magazine's
		14th Annual Best Managed Company's Poll

MILESTONES

Investment in Sem-Calaca





The 2 x 300 MW coal-fired power plants in Calaca, Batangas was acquired by the Company in 2 December 2009 for \$361.7 M

SEMIRARA RESOURCES

Coal and Other Reserves

► Coal Reserves

Open Pit 146 million mt

Remaining as of Jan .1, 2014

Underground 12 million mt

Initial for Tuong

▶ Other Minerals

Limestone 1.2 Billion Mt

Clay..... 2.9 Million Mt

▶ Earlier Studies Conducted by:

AustroMineral Contractors, 1980-85

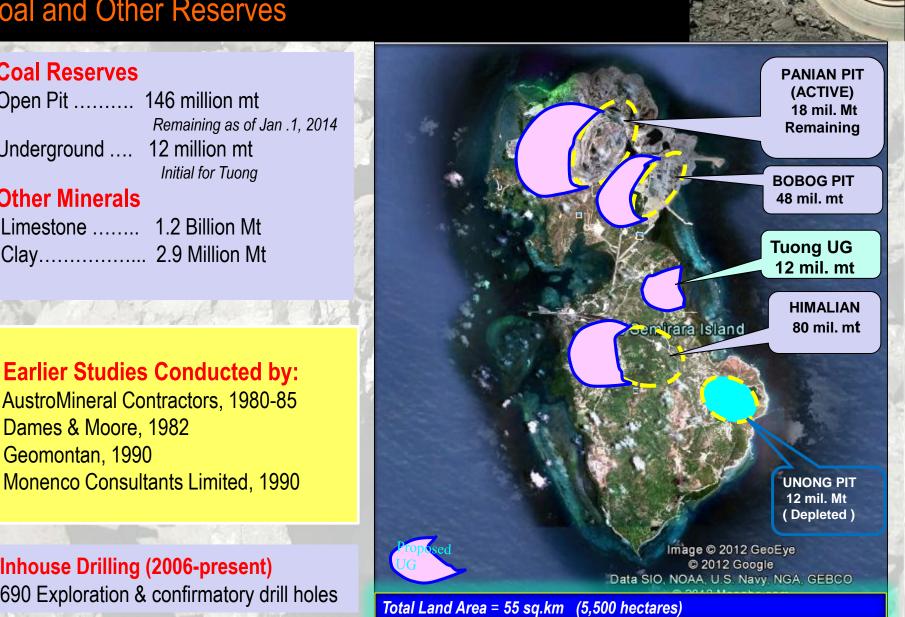
Dames & Moore, 1982

Geomontan, 1990

Monenco Consultants Limited, 1990

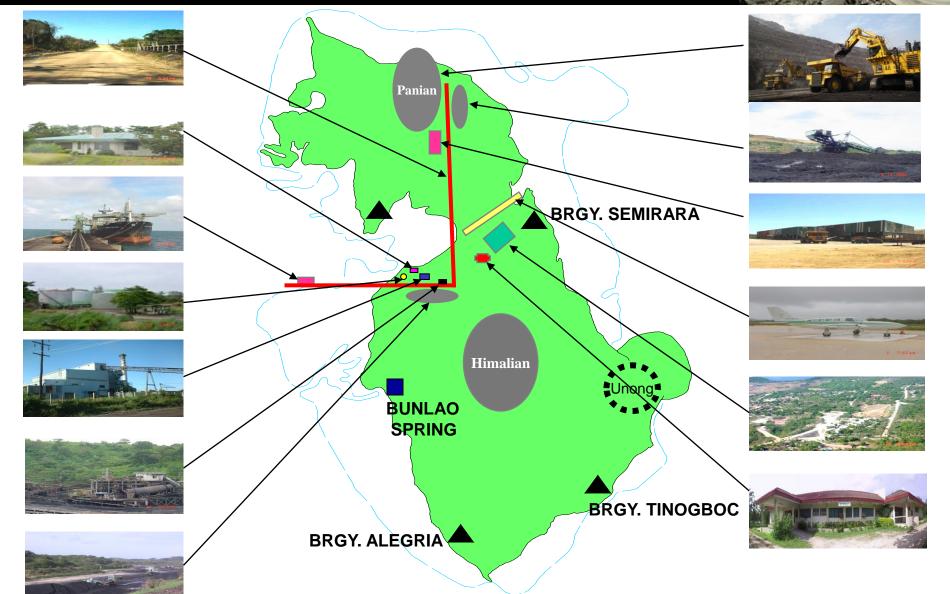
► Inhouse Drilling (2006-present)

690 Exploration & confirmatory drill holes

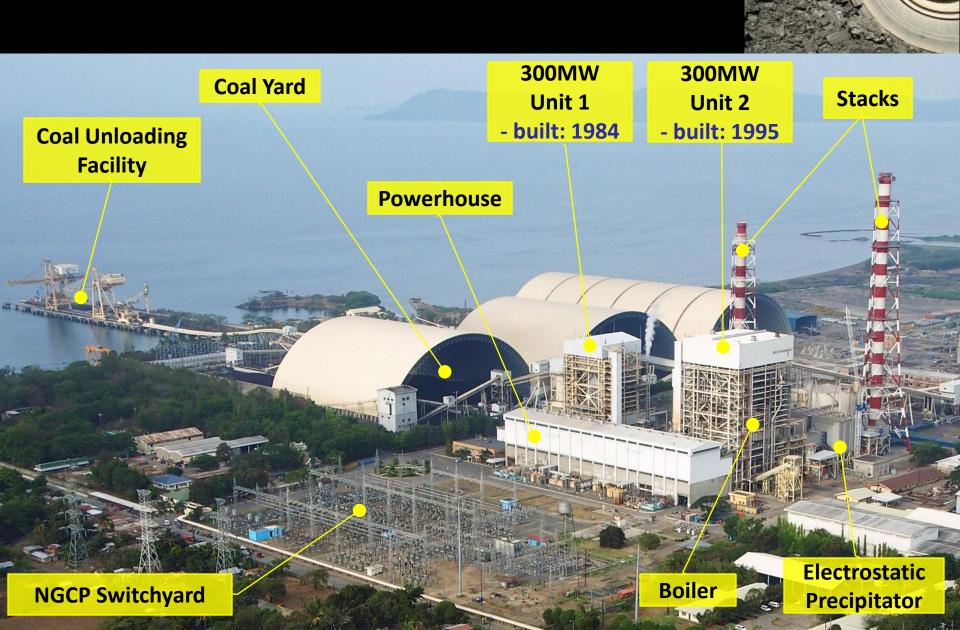


SEMIRARA RESOURCES

Facilities



SEM-CALACA FACILITIES



SEM-CALACA FACILITIES





SEM-CALACA OEM / EPC



EQUIPMENT	UNIT 1	UNIT 2
Steam Generator	Foster Wheeler (FWEC), USA	Asea Brown Boveri/ Combustion Eng'g (ABB-CE), USA
Steam Turbine	Toshiba, Japan	GEC-Alsthom, France
Electric Generator	Toshiba, Japan	GEC-Alsthom, France
Condenser	Toshiba, Japan	GEC-Alsthom, France
EPC	Mitsui and Co., Japan	Mitsubishi, Japan



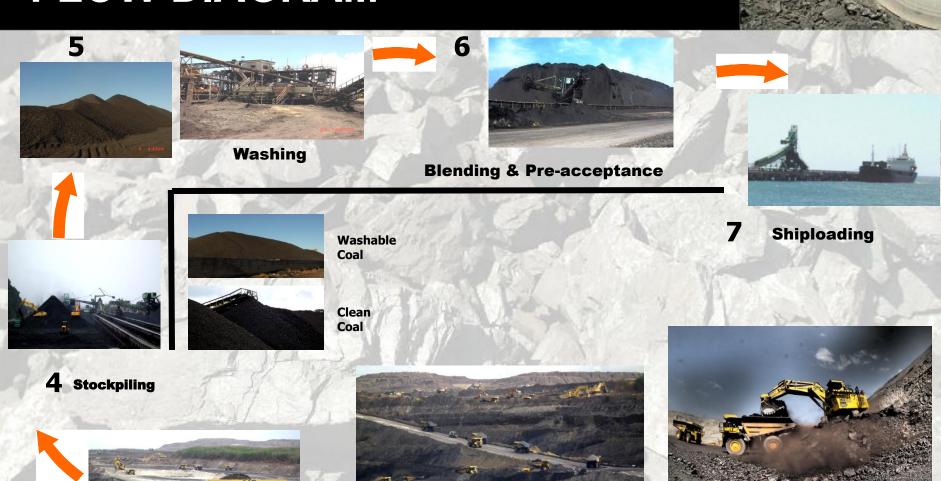
PRODUCTION



& OPERATIONS

COAL PRODUCTION FLOW DIAGRAM







COAL SPECIFICATIONS



PARAMETER	TY	TYPICAL			
Gross Calorific Value, Btu/lb (Air Dried)	8,700	-	10,000		
Gross Calorific Value, Btu/lb (As Received)	7,300	-	9,000		
Proximate Analysis		-			
Ash %	6	-	17		
Fixed Carbon %	33	-	44		
Volatile Combustible Matter	34	-	40		
Total Sulfur, % (Air Dried, ASTM D2015)	0.20	-	1.00		
Total Moisture, % (As Received)	21	-	29		
Residual Moisture, % (Air Dried)	8	-	18		
Hardgrove Grindability Index	40	-	50		
Size, mm	50	-	200		

COAL MINING EQUIPMENT

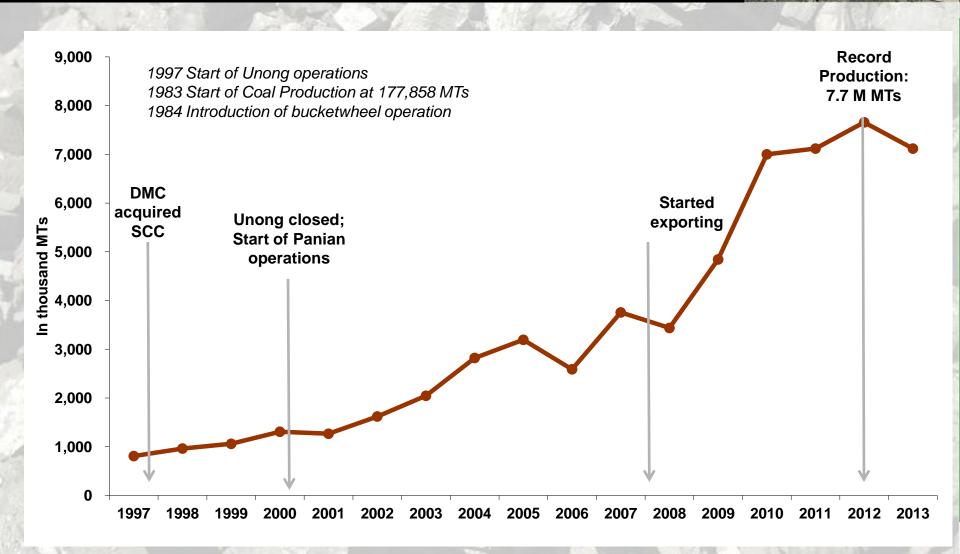
Capacity

FOLUDMENT	N I II	# OF UNITS						
EQUIPMENT	2007	2008	2009	2010	2011	2012	2013	2014
LOADING								
16 m ³ Excavators	5	7	7	7	8	16	2	4
15 m ³ Excavators			2	5	5	5	8	8
12 m ³ Excavators	-	3	4	4	4	4	8	8
7 m ³ Excavators	5	7	4	2	2	2	2	1
TOTAL	10	17	17	18	19	27	20	21
HAULING							0	-
100-tonne Dump Trucks	56	73	102	121	121	120	107	120
							4	1000
SUPPORT						of Land		HOMATER
Dozers	14	19	19	29	26	25	25	25
Motor Graders	5	5	6	6	6	6	5	5
Water Trucks	3	4	4	6	6	7	4	4
Small Power Shovels	3	6	10	12	15	12	14	14
Crusher	2	2	2	2	0	0	0	0
Crane					2	2	4	4
Drilling Machine / Eqpt					1	21	21	20
TOTAL	27	36	41	55	56	73	73	72
FLEET CAPACITY (M bcm)	32	38	62	80	85	80	82	82



HISTORICAL COAL PRODUCTION

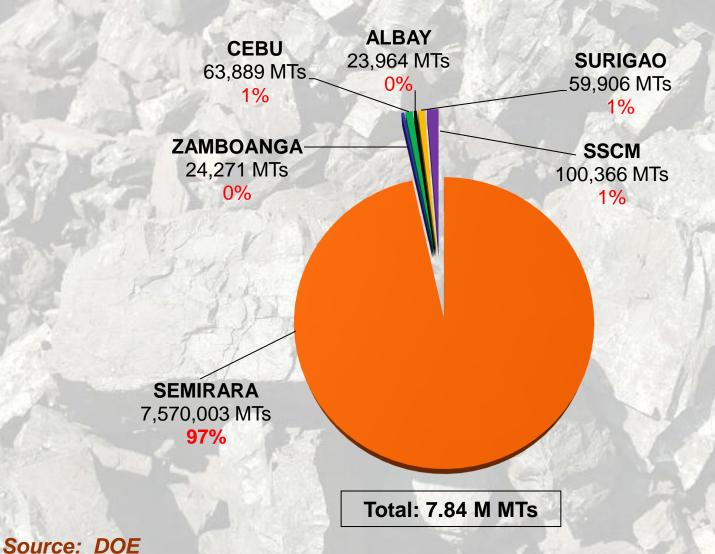
Unong and Panian Annual Coal Production



2013 PHILIPPINE ROM COAL PRODUCTION

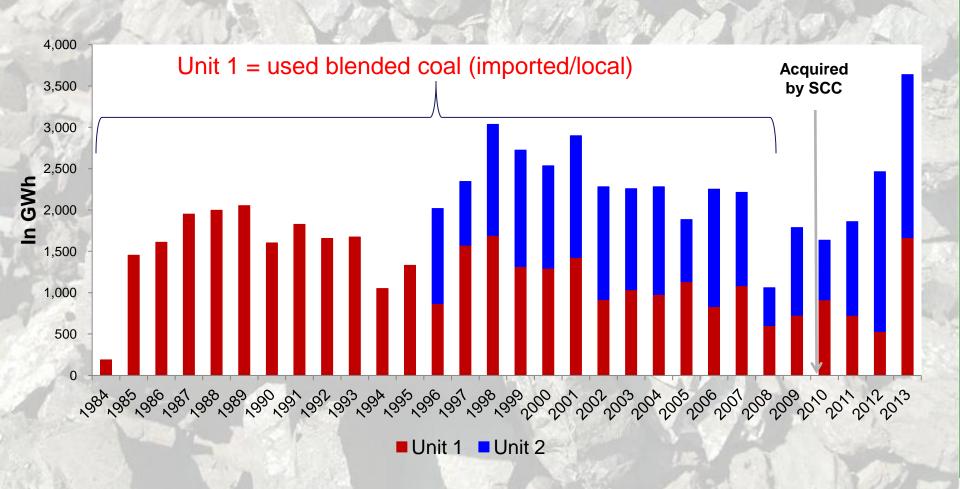
In metric tons





CALACA HISTORICAL GROSS ENERGY GENERATION





SEM-CALACA REHABILITATION PROGRAM

Target Key Parameters



Rehab Period: 8 August 2010 - 6 November 2010

KEY PARAMETERS (UNIT 2)	PRE-REHAB (2009)	POST-REHAB (2011-2013)
Net Heate Rate; BTU/Kwh	11,375	11,162
Capability; MW	200	300
Availability; %	65	79
Coal usage; MT/Nkwhr	0.65	0.66

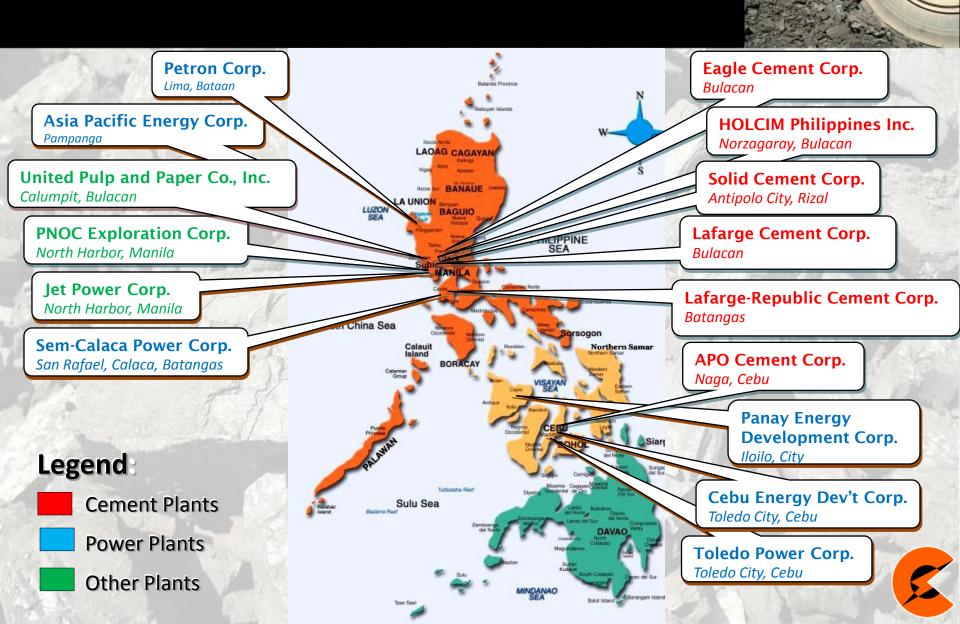
Rehab Period: 29 August 2011 – 4 August 2012

SALES



& MARKETING

PHILIPPINE COAL CUSTOMERS



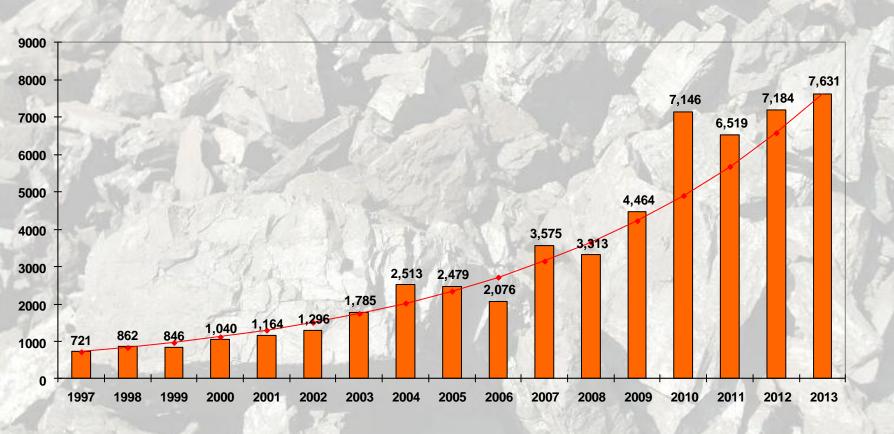
COAL EXPORT MARKETS



COAL SALES VOLUME

In '000 MTs





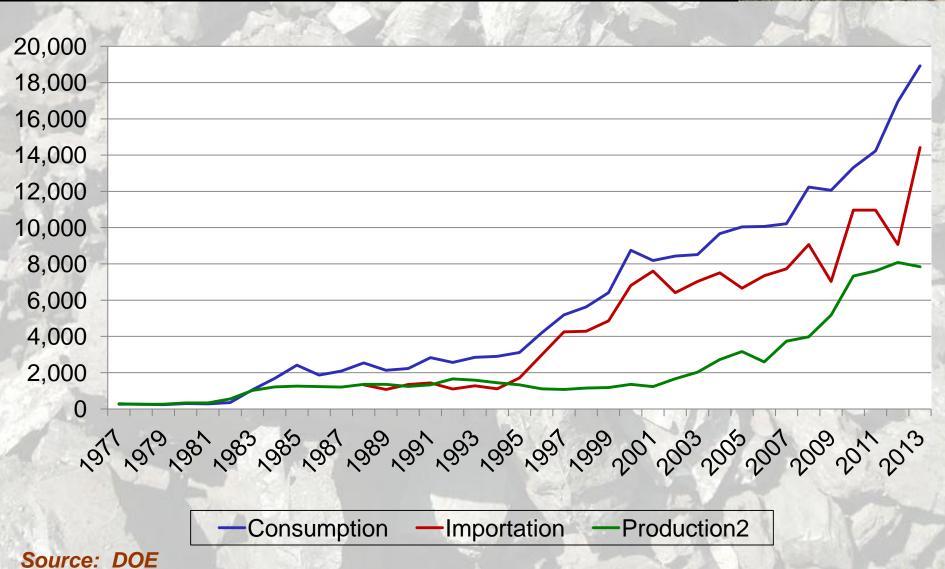
Average annual growth rate: 16%



PHILIPPINE COAL PRODUCTION, IMPORTATION & CONSUMPTION

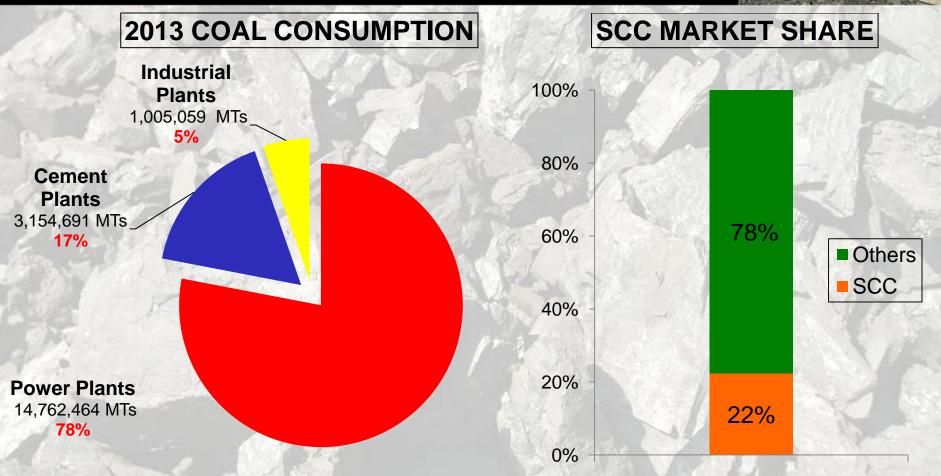


1977 – 2013 (in million metric tons)



SCC PHILIPPINE MARKET SHARE





Total Local Consumption: 18.92 M MTs



EXISTING COAL-FIRED POWER PLANTS



2 x 647 MW Sual Coal-Fired Power Plant, Pangasinan (TeaM Energy)

2 x 315 MW Masinloc Coal-Fired Power Plant, Pangasinan (AES)

50 MW CFB APEC Coal-Fired Power Plant, Pampanga (TIPCO)

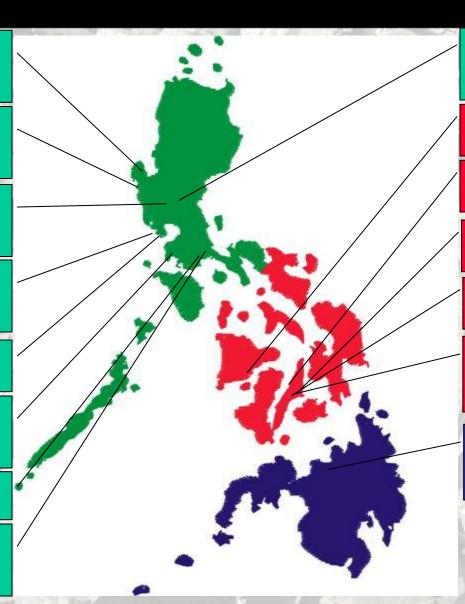
2 x 600 MW CFB Mariveles Coal-Fired Power Plant, Bataan (GN Power) 2012

70 MW Petron Coal-Fired Power Plant, Limay Bataan

2 x 300 MW Batangas Coal-Power Plant, (SEM-Calaca/DMCI Group)

456 MW QPPL Coal-Fired Power Plant, (Quezon Power)

2 x 382 MW Pagbilao Coal-Fired Power Plant, Quezon (TeamM Energy)



25 MW CFB UPPC Coal-Fired Power Plant, Bulacan (UPPC)

2 x 82 MW CFB PEDC, Iloilo (Global Business Power Corp.)

3 x 82 MW CFB CEDC, Cebu (Global Business Power Corp.)

2 x 50 MW CFB CTPP, Cebu (Salcon Power Corp.)

2 x 100 MW CFB KSPC, Cebu (KEPCO-Salcon)

89 MW Toledo Power Corp., Cebu (Global Business Power Corp.)

2 x 105 MW Mindanao Coal-Fired Power Plant, Misamis Oriental (STEAG)



COMMITTED POWER PROJECTS



Luzon Grid Committed Power Projects

Proponent	Location	Туре	Rated Capacity (MW)	Project Costs (PHP Billion)	Target Commissioning
South Luzon Thermal Energy Corp. (SLTEC)	Puting Bato, West, Calaca, Batangas	Coal-Fired	135.0	12.9	August 2014
South Luzon Thermal Energy Corp. (SLTEC)	Puting Bato, West, Calaca, Batangas	Coal-Fired	135.0	9.6	November 2015
Southwest Luzon Power Generation Corp. (SLPGC)	San Rafael, Calaca, Batangas	Coal-Fired	300.0	45.4	October 2014
San Jose 1 Power Corp.	Brgy. Tulat, San Jose, Nueva Ecija	Biomass	9.9	1.2	November 2014
Energy Development Corp.	Sitio Burgos, Ilocos	Wind	87.0	32	December 2014
	TOTAL		666.9	101.1	

Visayas Grid Committed Power Projects

Proponent	Location	Туре	Rated Capacity	Project Costs	Target
			(MW)	(PHP Billion)	Commissioning
Toledo Power Corporation	Toledo City, Cebu	Coal-Fired	82.0	10.2	September 2014
Energy Development Corp.	Nasuji, Valencia, Negros Or.	Geothermal	50.0	4.0	August 2014
Sunwest Water & Electric Co., Inc.	Brgy. Igsoro, Bugasong, Antique	Hydro	8.0	1.4	May 2014
San Carlos BioPower Corp.	San Carlos City, Negros Occ.	Biomass	18.0	1.7	March 2015
Petrogreen Energy Corp.	Brgy. Pawa, Nabas, Aklan	Wind	50.0	5.4	December 2014
Trans-Asia Oil Renewable Energy Corp.	San Lorenzo, Guimaras	Wind	54.0	4.3	August 2014
	TOTAL		262.0	27	

Mindanao Grid Committed Power Projects

Proponent	Location	Туре	Rated Capacity (MW)	Project Costs (PHP Billion)	Target Commissioning
Peak Power Soccsargen Inc.	SocSarGen	Biomass	20.9	0.250	September 2014
Peakpower San Francisco Inc.	SocSarGen	Biomass	5.2		September 2014
Therma South, Inc.	Brgy. Binugao, Toril, Davao	Coal-Fired	150.0	12.0	March 2015
	Brgy. Inawayan, Davao del Sur				
	TOTAL		176.1	12.25	

CEMENT & INDUSTRIAL COAL END-USERS





5

INSTALLED CAPACITY & DEPENDABLE CAPACITY

In MW

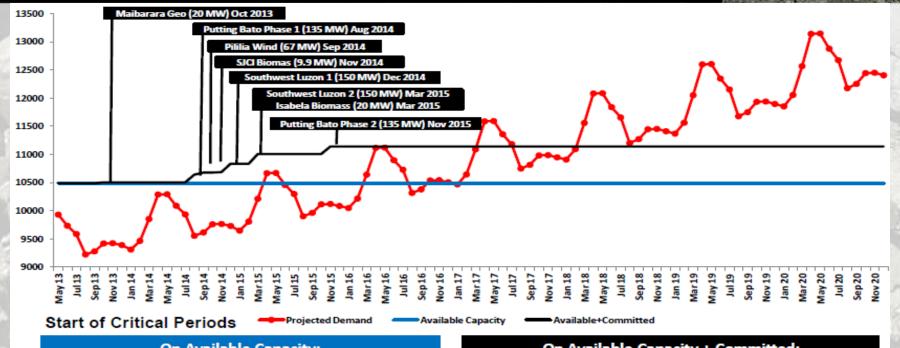
FUELTYPE		INSTALL	ED	С	PEPENDA	BLE	TOTAL	
POELITPE	Luzon	Visayas	Mindanao	Luzon	Visayas	Mindanao	Installed	Dependable
Coal	4,617	728	232	4,415	650	212	5,577	5,277
Oil Based	2,341	661	677	1,842	496	651	3,679	2,989
Diesel	1,043	606	677	745	496	651	2,326	1,892
Oil Thermal	650			557			650	557
Gas Turbine	648	55		540	-		703	540
Natural Gas	2,881	1		2,871	1		2,882	2,872
Geothermal	843	953	108	470	625	97	1,904	1,192
Hydro	2,471	13	1,048	2,374	11	967	3,532	3,352
Solar			1			1	1	1
Wind	33			33			33	33
Biomass	37	45	36	37	44	36	118	117
TOTAL	13,224	2,400	2,102	12,041	1,827	1,964	17,727	15,832

Source: ERC Resolution 3 Series of 2014



LUZON SUPPLY & DEMAND OUTLOOK 2013-2030





On Available Capacity:

- Apr-May 2015: Projected Deficit of 184 MW
- Mar-Jul 2016: Projected Deficit of 240 to 635 MW

On Available Capacity + Committed:

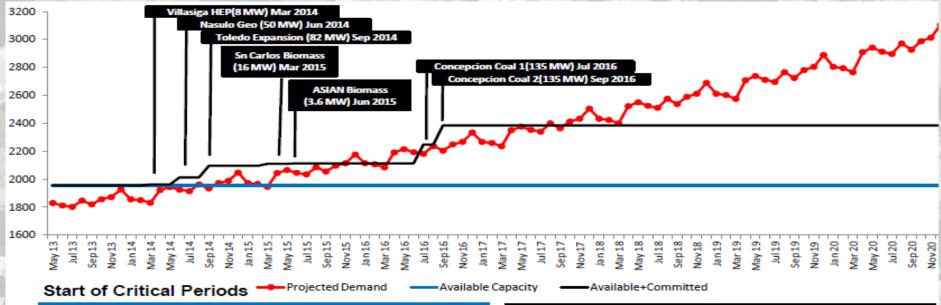
- Apr-Jun 2017: Projected Deficit of 200 to 450 MW
- Mar-Dec 2018: Projected Deficit of 270 to 940 MW

Notes

- Demand curve as plotted includes total of peak demand and required Reserve Margin (RM) i.e. 4% regulating reserve and contingency and dispatchable reserve requirement
- 4.2 % peak demand growth rate resulted from observed 0.6 elasticity ratio of demand for electric power with national economic growth applied to 7 percent GDP growth rate (GR) target for 2013-2015.
- c. 4.8 % peak demand growth rate resulted from observed 0.6 elasticity ratio of demand for electric power with national economic growth applied to 8 percent GDP growth rate (GR) target for 2016-2020.
- d. Assumed 6.6 percent average forced outage of the total dependable capacity

VISAYAS SUPPLY & DEMAND OUTLOOK 2013-2030





On Available Capacity:

- Nov-Dec 2014: Projected Deficit of 30 to 90 MW
- Apr-Dec 2015: Projected Deficit of 80 MW to Max 220 MW

On Available Capacity + Committed:

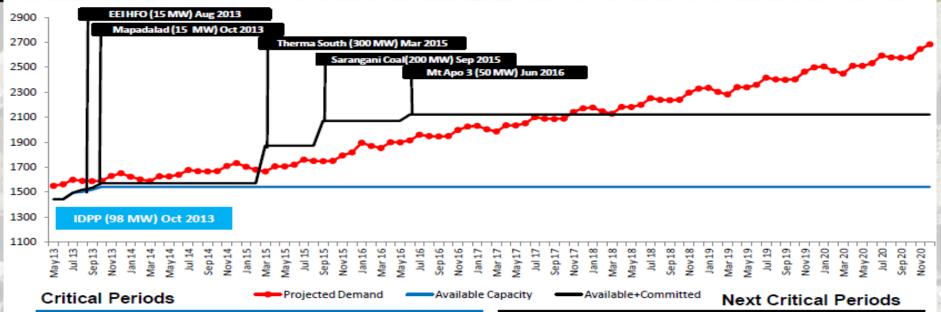
- Dec 2015: Projected Deficit of 60 MW
- Apr-Jun 2016: Projected Deficit of 70 to 100 MW
- Dec 2017-Dec 2018: Projected Deficit of 120 to 305 MW

Notes

- Demand curve as plotted includes total of peak demand and required Reserve Margin (RM) i.e. 4% regulating reserve and contingency and dispatchable reserve requirement
- b. 7 % peak demand growth rate resulted from observed 1 elasticity ratio of demand for electric power with national economic growth applied to 7 percent GDP growth rate (GR) target for 2013-2015.
- c. 8 % peak demand growth rate resulted from observed 1 elasticity ratio of demand for electric power with national economic growth applied to 8 percent GDP growth rate (GR) target for 2016-2020.
- d. Assumed 7 percent average forced outage of the total dependable capacity

MINDANAO SUPPLY & DEMAND OUTLOOK 2013-2030





On Available Capacity:

- 2013: Projected Deficit of 50 to 110 MW
- 2014: Projected Deficit of 50 to 190 MW
- 2015: Projected Deficit 120 to 280 MW

On Available Capacity + Committed:

- Jan-Feb 2015: Projected Deficit of 100 to 130 MW
- Nov-Dec 2017: Projected Deficit of 20 to 50 MW
- 2018: Projected Deficit of 50 to 200 MW

Notes

- Demand curve as plotted includes total of peak demand and required Reserve Margin (RM) i.e. 4% regulating reserve and contingency and dispatchable reserve requirement
- 5.6 % peak demand growth rate resulted from observed 0.8 elasticity ratio of demand for electric power with national economic growth applied to 7 percent GDP growth rate (GR) target for 2013-2015.
- c. 12.8 % peak demand growth rate resulted from observed 1.6 elasticity ratio of demand for electric power with national economic growth applied to 8 percent GDP growth rate (GR) target for 2016
- d. 8 % peak demand growth rate resulted from observed 1 elasticity ratio of demand for electric power with national economic growth applied to 8 percent GDP growth rate (GR) target for 2017-2020
- Assumed 3.41 percent average forced outage of the total dependable capacity

FINANCIAL



HIGHLIGHTS

TOTAL REVENUES

In Million Pesos





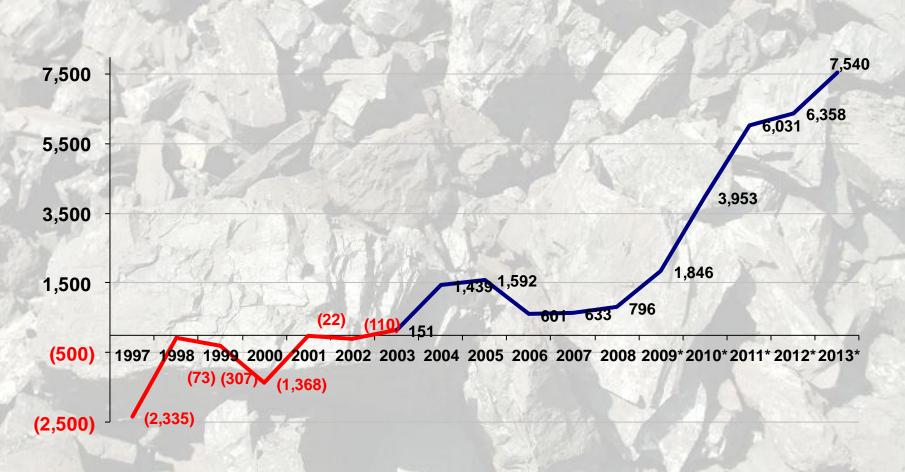
Average annual growth rate: 26%



NET INCOME AFTER TAX

In Million Pesos





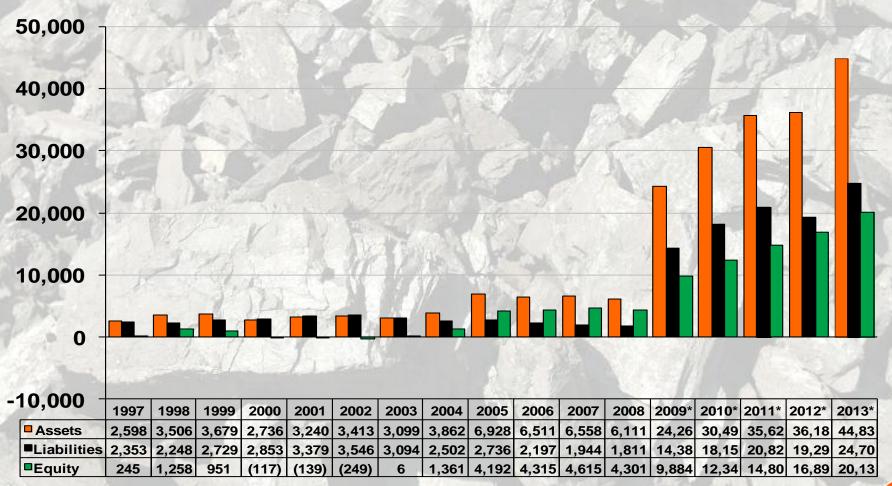




BALANCE SHEET

In Million Pesos

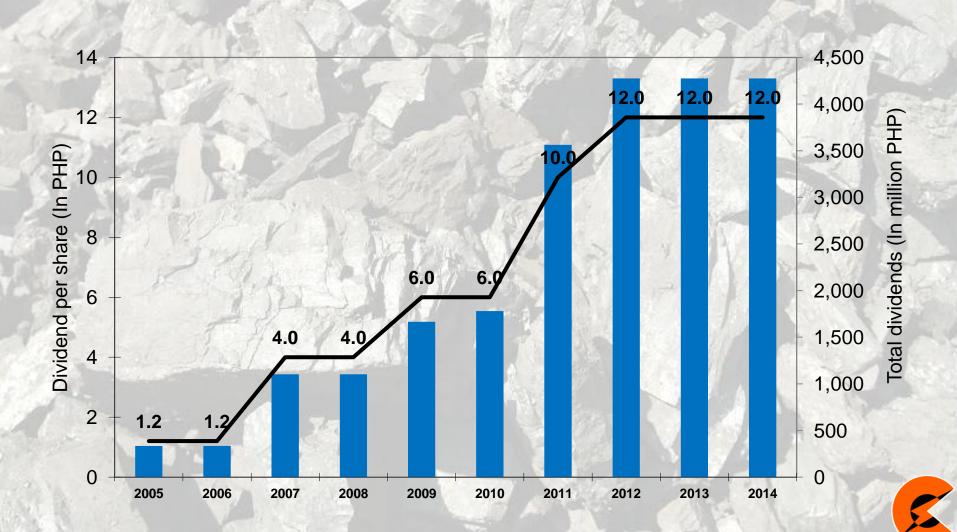






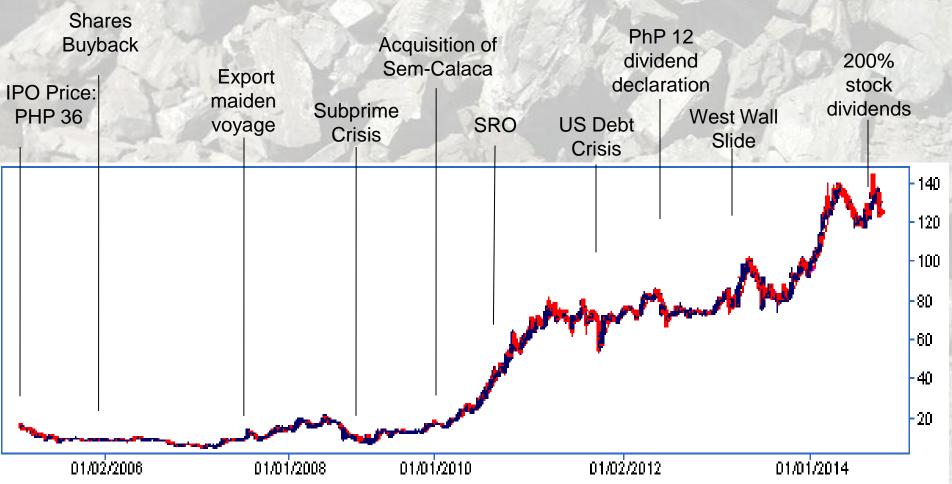
HISTORICAL DIVIDENDS





STOCK PRICE MOVEMENT







COMMUNITY SOCIAL



RESPONSIBILITY

5 E's PROGRAM





The 5 E's Program: Electrification, Education, Employment, Economics, Environmental Protection & Conservation