



Visayas Power Situation

PHILIPPINE ENERGY PLAN
2009 UPDATE

Water Front, Cebu City
23 February 2010



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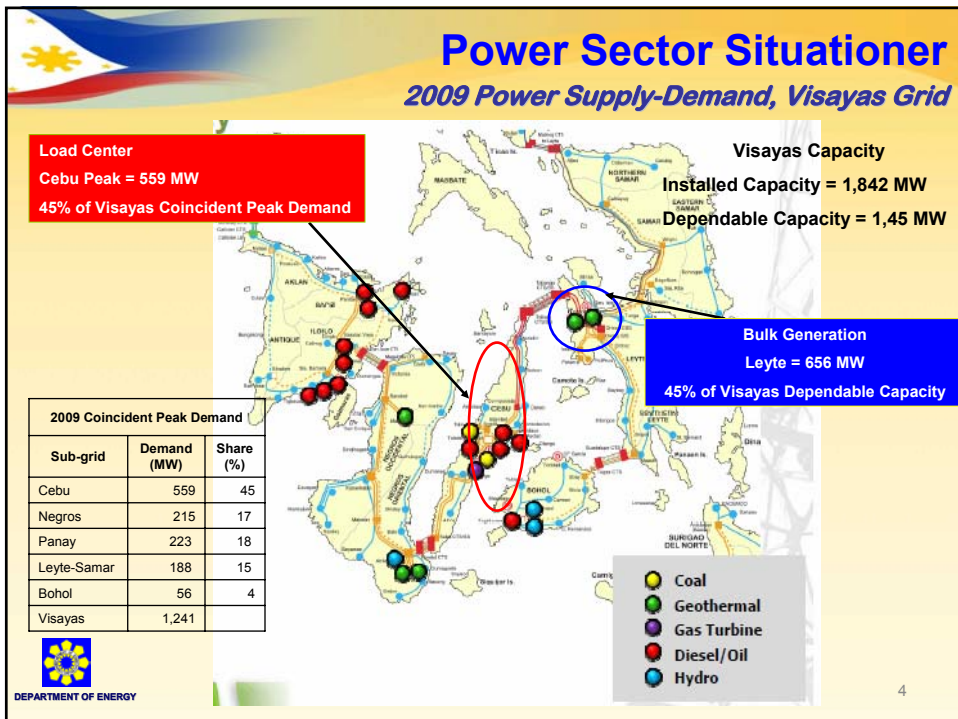
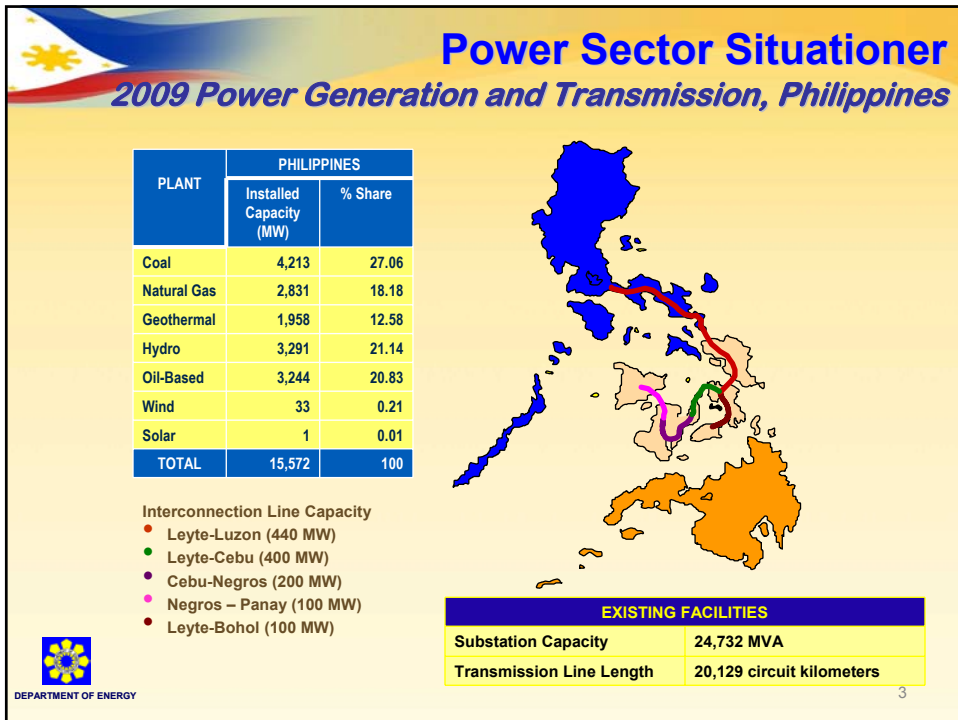
Outline of Presentation

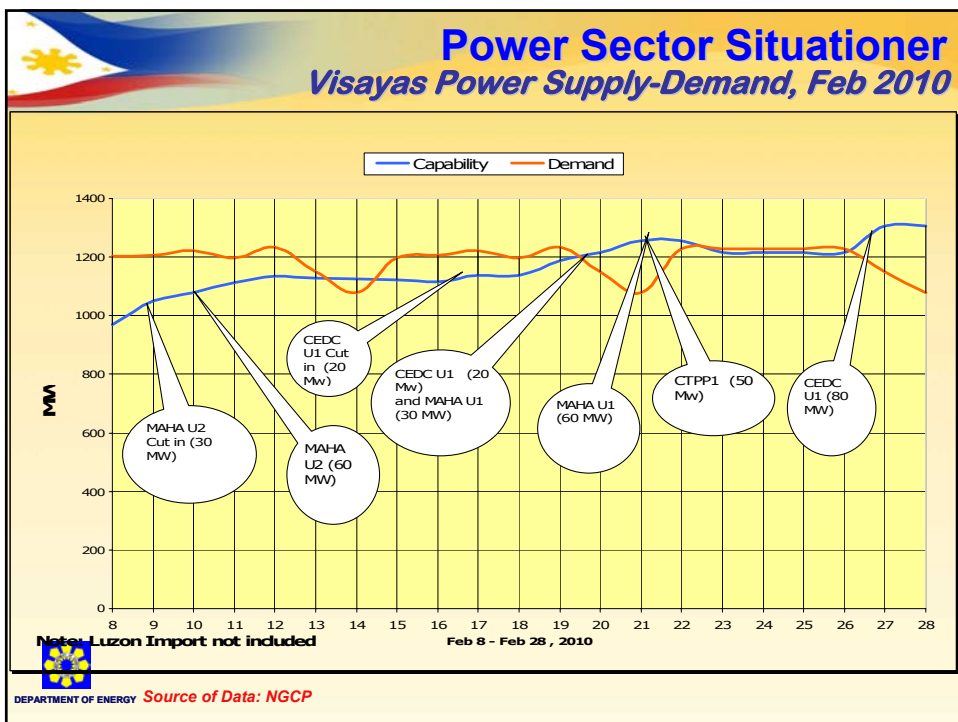
- Power Supply and Demand Situation
- Power Supply and Demand Outlook (Draft PDP 2009-2030)
 - Additional Capacity Requirement
 - Power Generation Projects
 - Transmission Projects
- Moving Forward



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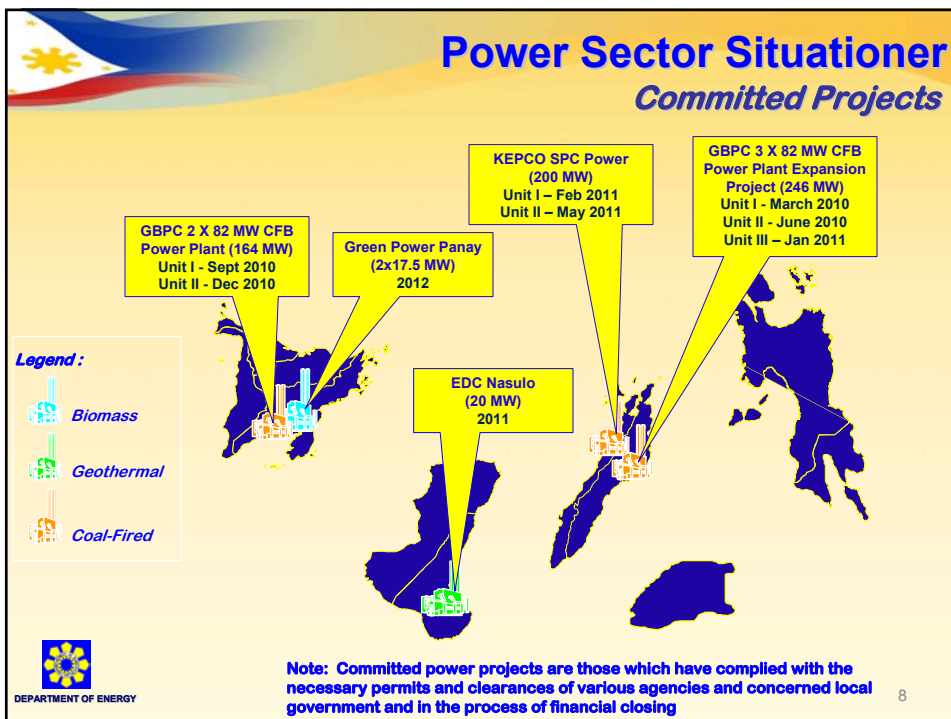
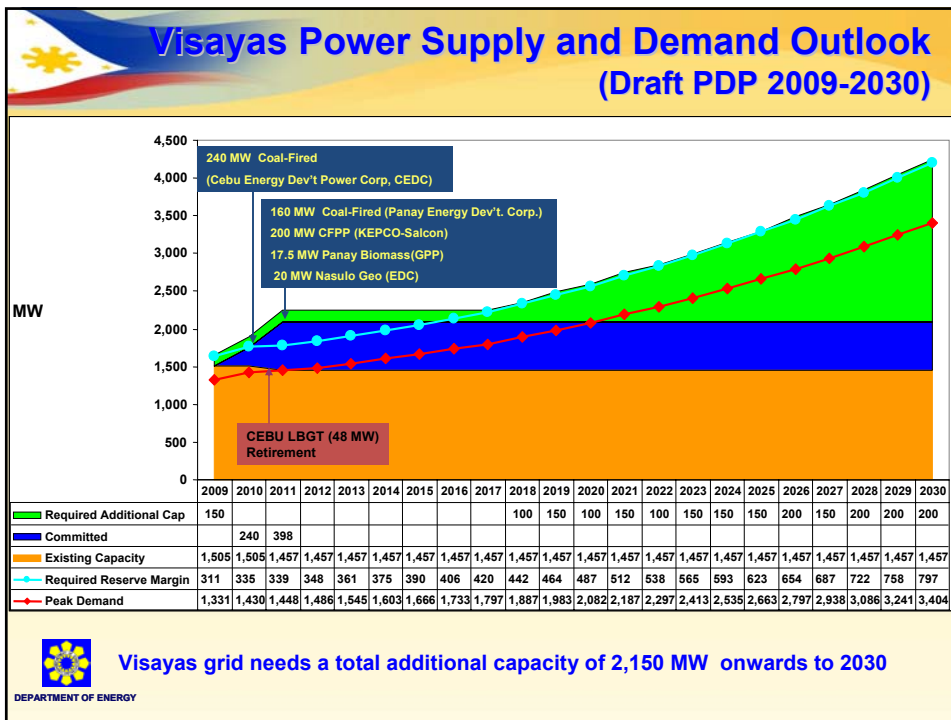


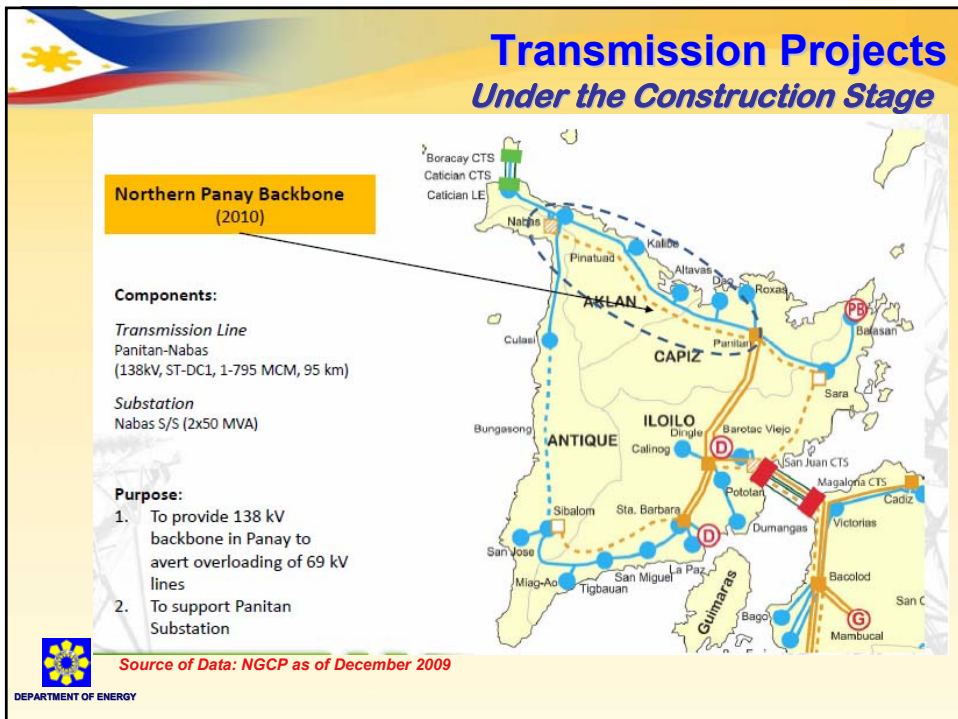
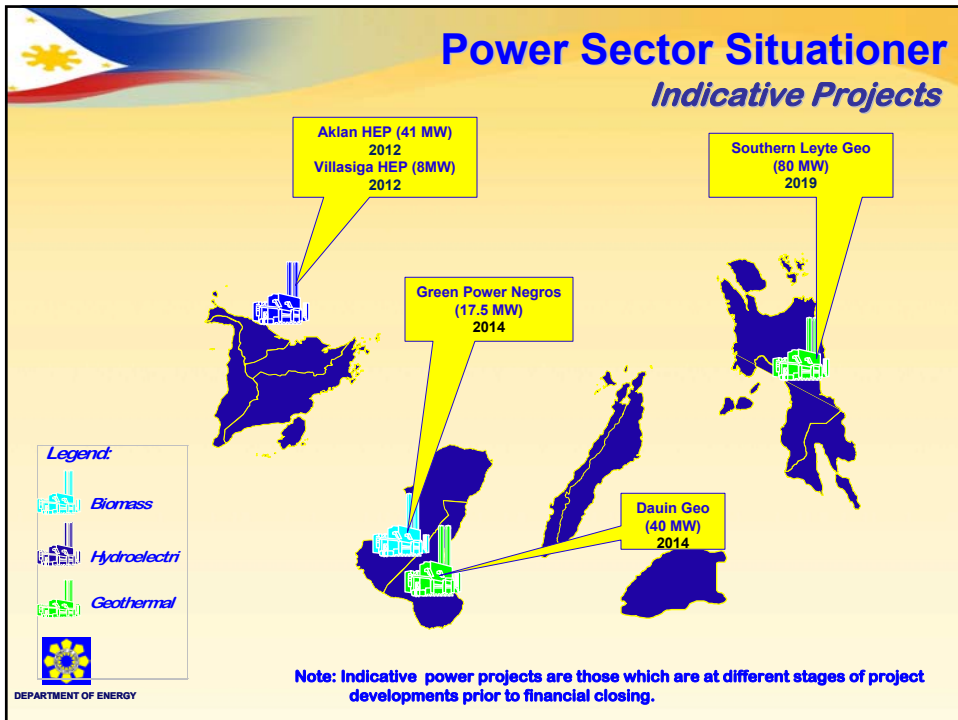
Power Supply and Demand Outlook (Draft PDP 2009-2030)

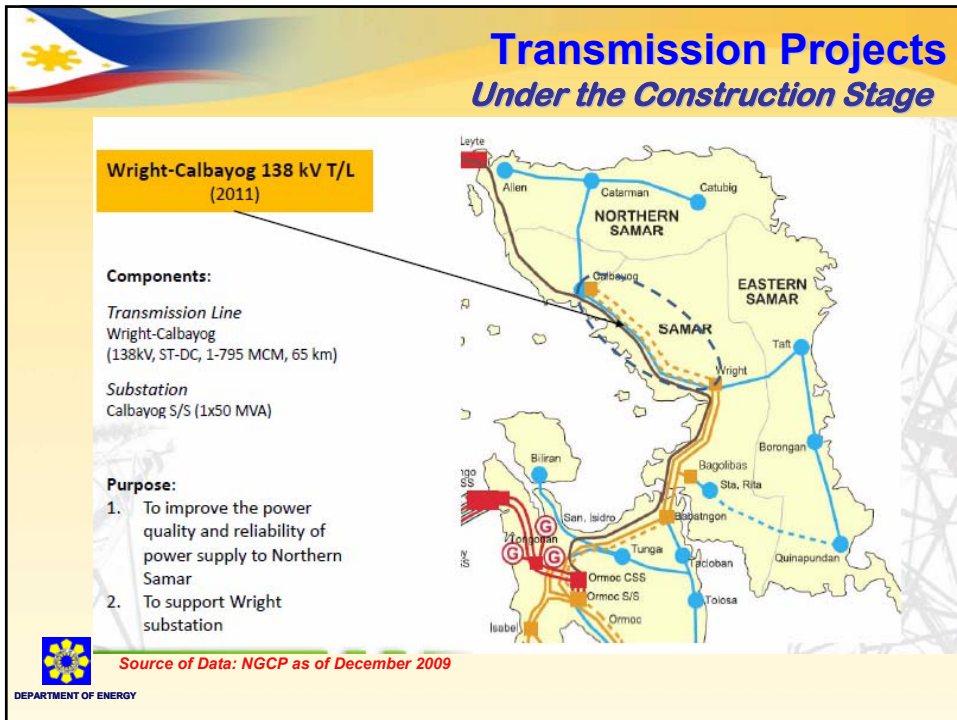
GRID	Dependable Capacity (MW)	Peak Demand (MW) 2008	Ave. Annual Growth Rate (%)	Committed Capacity (MW)	Critical Period	Required Add'l Capacity (MW) 2009-2030	Indicative Capacity (MW) 2009-2030
LUZON	10,030	6,822	4.5	600	2011	11,900	3,449
VISAYAS	1,505	1,176	4.6	654	2009	2,150	182
MINDANAO	1,682	1,228	4.6	100	2010	2,500	581
PHILIPPINES	13,217		4.6	1,354		16,550	4,211

- Dependable Capacity is based on the reports of power plant owners (NPC, NPC-IPPs, Non-NPC IPPs).
- Peak Demand is based on the System Operator (SO) recorded peak demand by grid for the year.
- Average Annual Growth Rate is based on the energy and demand forecasts of the distribution utilities as indicated in their respective Distribution Development Plan (DDP).
- Critical Period is the year when existing generating capacity will not be able to meet the peak demand and the required reserve margin (23.4% above the peak demand for Luzon and Visayas, 21% above peak demand in Mindanao).
- Required Additional Capacity is the necessary generating capacity (on top of the committed) to meet the system requirement (including reserve). These are indicative capacities which are open for private sector investments.

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Moving Forward

- **Visayas needs additional generating capacity of 2,150 MW from 2009-2030**
- **Government to pursue power sector reform programs**
 - facilitate entry of the private sector initiated power generation projects
 - implement contingency measures, as needed
 - Reverse flow of Leyte-Luzon HVDC during peak hours in Visayas
 - Maximize the Leyte-Cebu submarine cable
 - Defer retirement of power plants
 - Provide temporary replacements of problem transmission facilities
- **Private Sector initiated actions**
 - Interruptible Load/Voluntary Load Shedding implemented by VECO
 - VECO contracted a 10 MW additional capacity from CEMEX
 - CEDC accelerated testing of new generating unit (82 MW)
- **DOE, in coordination with Energy Family and ERC, to enhance harmony of policy, regulatory and operational actions, in order to provide the appropriate signals to investors**

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Thank You

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The slide features a yellow background with a blue and red wavy banner at the top left containing the Philippine flag. To the right is a map of the Philippines. The text "Thank You" is in large red letters. Below it is the website "www.doe.gov.ph" in blue. At the bottom left is the Department of Energy logo and name. On the right are three small images: a night view of a power plant, a construction site of a power plant, and a street view with power lines.