

Republic of the Philippines

NATURAL GAS FLOW AND DATA COLLECTION SYSTEM IN THE PHILIPPINES

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MALAMAYA NATURAL GAS FLOW

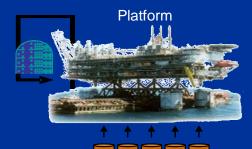
PLATFORM TO OGP

UPSTREAM

FLARING 2018- 22.42m3

OWN USE: 2018-99,37 m3 9

Malampaya Offshore



WELLHEADS

PRODUCTION 2018 – 4,270.30 m3

DOWNSTREAM



Industrial Plant

Pilipinas Shell Refinery Commissioned : October 2005 2018- 72.21 m3





500MW San Lorenzo Power Plant Commissioned: July 2002

Commissioned: July 2002 2018- 683.50 m3



1000MW Sta. Rita Power Plant Commissioned Oct 2001

2018-1,379.25 m3:



1200MW Kepco llijan Power Plant

Commissioned: June 2002 2018- 1,546.34 m3



414MW San Gabriel Power Plant Commissioned: November 2016

2018- 392.05 m3



97 MW Avion Open Cycle Power Plant Commissioned: September 2016

2018 – 31.97 m3



MODE OF DATA COLLECTION

- Manual collection from hard copy submissions
- Interview or verbal acquisition
- Electronic submission



DATA PROCESSING/ORGANIZATION

- Using Excel Spreadsheets (production, consumption, etc)
- Encoding from hard copy submission
- Developed own system for data organization



NATURAL GAS DATA FLOW

DATA SOURCES

PROCESS

DISSEMINATION

STAKEHOLDERS REPORTS

EPPB - PEP; Other fuels contribution to energy mix

OIMB - Crude oil prices

PRDD – Production/Resource

EPIMB - PDP

Compliance – Gas Sales, Banked Gas Record; Gov't. Share

INTERNET DATA, & OTHER REFERENCE MATERIALS

(conversion, us cpi, cost estimates)



Personal Collection

Hard Copies – PEP; PDP, Key Statistics; Situationer Report; MTPDP, FS Spreadsheets

Electronic

Internet-Website
Posting by ITMS,
APEC-JODI



Gas Value Chain- Industry Interaction

• Gas Supplier – SC 38 (Malampaya gasfied), PNOC –Bank Gas

• Facility Operators – NPC for NGRF; KEPCO for Ilijan Power Plant; First Gas for Sta. Rita/San Lorenzo/San Gabriel/Avion; Shell for Refinery.

• End Users /Industry Stakeholders - General Public, Academe, Legal & Technical researchers, Other Government Agencies; APEC-JODI.



Natural Gas Data and Information **Profile**

- Industry Situationer midyear/year-end
- Spreadsheets on the following Natural Gas Data
 - 1. Consumption/Utilization per Sector
 - > Power Sector (historical data from 1994-present)
 - > Industrial Sector (historical data from 2005-present)

2. Production

- >San Antonio (historical data from 1994- 2008)
- > Malampaya gas & condensate production (historical data from 2001 - present)

	inputs to international cooperation; project proposals
Pamily NPC,PNOC,PSALM,TRANSCO	- Plans and programs (PEP); energy policies – bank gas, take or pay; collaborative activities;
GENERAL PUBLIC	- prices, government share or royalty, natural gas projects' benefit, Feasibility studies
ENERGY STAKEHOLDERS Foreign & local investors	-Natural gas outlook, pricing, plans & programs, laws and issuances, procedures and permitting requirements - Technologies, technical data, Feasibility studies -Permitting requirements, laws and issuances -Procedure in doing business on natural gas, Development Plans, Incentives, Project Financing, Gas Statistics

Organizational Overview Linkages with Other DOE Units

Energy Policy & Planning Bureau (EPPB)

- Energy Mix, Generation Mix, Energy Plan, HECS, Project Proposals

ERDB - Energy Resource Development Bureau

- Natural gas supply/production and other resource data; Service Contracts (GSPA)

IPO- Investment Promotion Office - IEC

Programs; investment/investor's concerns, DTI & BOI interactions, DFA concerns



Linkages continued....

CWPO/HRMD – Customer Welfare Promotion Office/Human Resource Management Division

Assistance to Academe and general public on requests for technical data & information; Customer assistance, On-the –Job Training

EPIMB- Electricity Power Industry Management Bureau Power Development Plan, Generation Mix

OIMB/OICMD – Oil Industry Management Bureau Crude Oil Prices

Financial Services/Compliance Division

Banked Gas Data; Natural Gas Sales



THANK YOU