

# **PUBLIC CONSULTATION SERIES FOR THE PHILIPPINE ENERGY PLAN (PEP) 2008-2030**



# **COAL, OIL & GAS and GEOTHERMAL**

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# Status of Coal Mining in the Philippines

## National

**Total COC = 41**

**Total SSCMP = 43**

## Resource Potential

**National – 2.4 billion metric tons**

## Region VIII

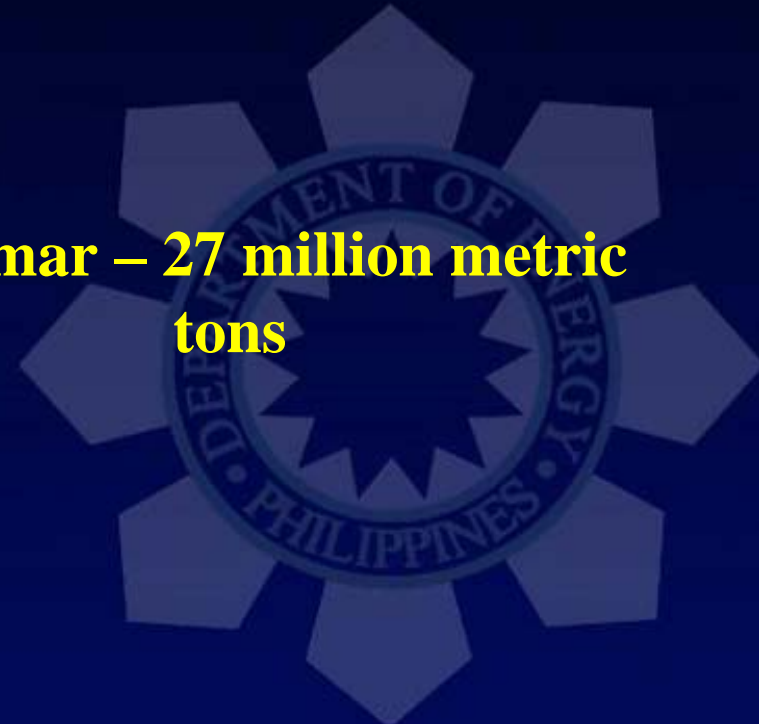
**1 COC – Eastern Samar**

**1 SSCMP – Ormoc City**

**Samar – 27 million metric tons**

*COC – Coal Operating Contract*

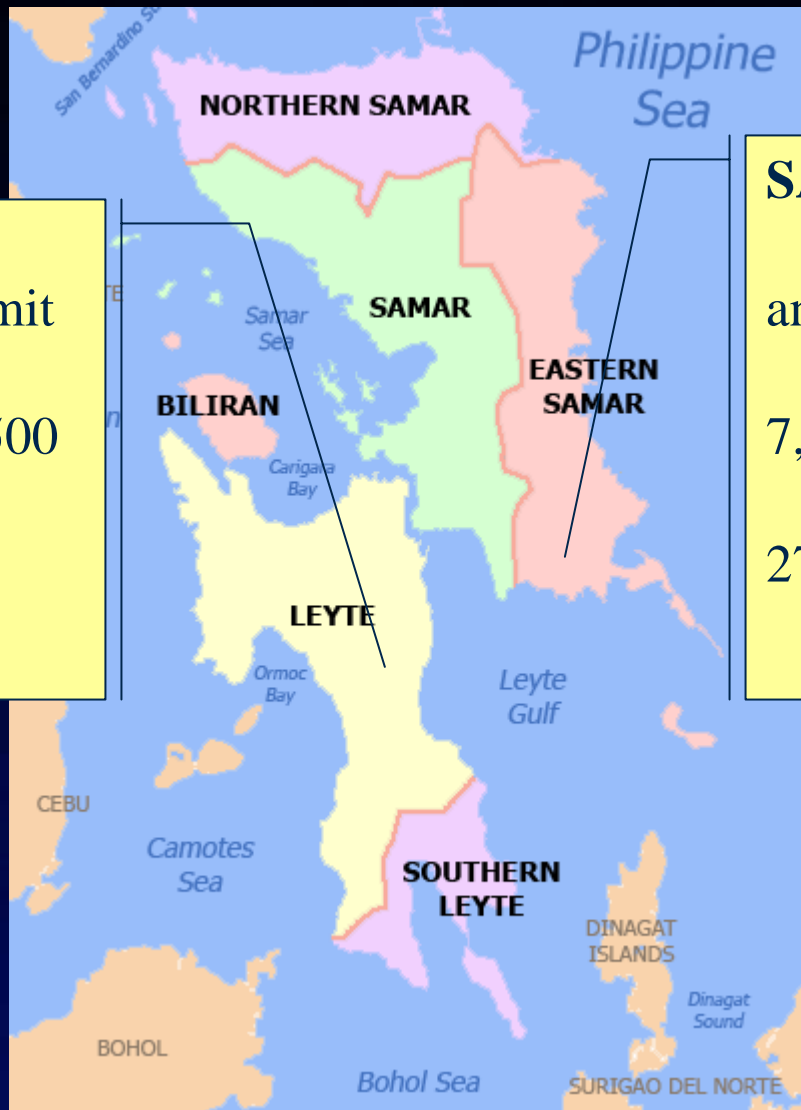
*SSCMP – Small-scale Coal Mining Permit*



# RESOURCE POTENTIAL FOR REGION 8

## LEYTE

- 1 Small-Scale Permit Awarded
- Heating Value 3,500 to 9,500 BTU/lb
- Under explored province



## SAMAR

- 1 COC Development and Production
- Heating Value 7,300 to 9,300 BTU/lb
- Resource potential 27 MMT



# **ACTION PLANS**

## **COAL**

**GOAL : To increase the indigenous coal production**

**TARGET DATE : 2008 – 2030**

### **STRATEGIC ACTIONS:**

- ☐ Ensure performance of contractors and permittees on their exploration and production work program
- ☐ Conduct exploration survey on free or uncontracted areas
- ☐ Promotion and implementation of Contracting Rounds
- ☐ Coordination with EMB and NCIP on acquisition of environmental permits and social acceptability of coal projects

# **ACTION PLANS**

## **COAL**

**GOAL : To increase the indigenous coal production**  
**TARGET DATE : 2008 – 2030**

### **STRATEGIC ACTIONS :**

- ☐ Conduct coal flow and market linkage study to assist domestic coal production
- ☐ Pursue local coal quality enhancement procedures (i.e., blending and washing)
- ☐ Continue the Small-Scale Coal Mining Program
- ☐ Pursue studies on alternative uses of coal
- ☐ Continue IEC on coal projects and clean coal technologies
- ☐ Improve web portal and interconnection for data sharing

# OIL AND GAS





# Status of Oil and Gas Exploration in Region VIII

**2 SC = Eastern Visayas**

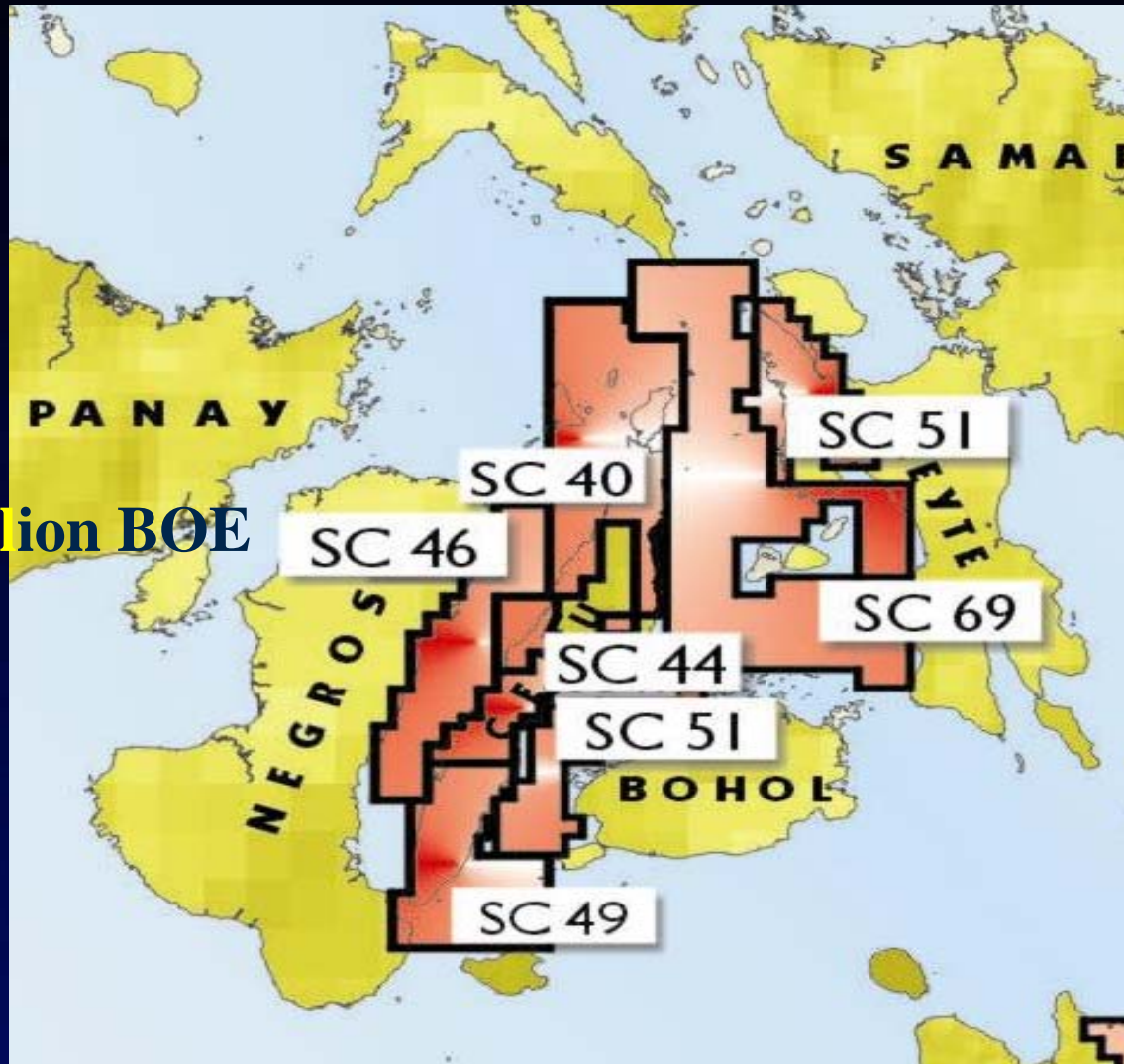
**SC 51 - NorAsian**

**SC 69 – NorAsian**

**Energy**

**Area = 46,500 sq. km.**

**Total Resources = 1.26 billion BOE**



*SC – Service Contract*

# **ACTION PLANS**

## **OIL AND GAS**

**GOAL : To award service contracts to develop oil and gas potential**

**TARGET DATE : 2008 – 2030**

### **STRATEGIC ACTIONS :**

- ☐ Offer blocks/acreages
- ☐ Acquire 2D/3D seismic data
- ☐ Drill wells
- ☐ Map prospects and leads
- ☐ Monitor oil and gas production







# GEO THERMAL



# Status of Geothermal Development in the Philippines

**National**  
**Total GSC = 12**

**Installed Capacity**  
**National – 2,027 MWe**

**Untapped Resource Potential**  
**National – 2,379 MWe**

**Region 8**  
**3 GSC – Tongonan, Leyte**  
- Cabalian, S, Leyte  
- Biliran, Layte

**Tongonan– 722 MWe**

**Biliran – 20-40 MWe**  
**Cabalian – 80 MWe**  
**Bato-lunas – 65 MWe**

# RESOURCE POTENTIAL FOR REGION 8

## Power Generation

### LEYTE

- **Tongonan**

- 722.68 MW installed capacity
- GSC awarded on 14 May 1981

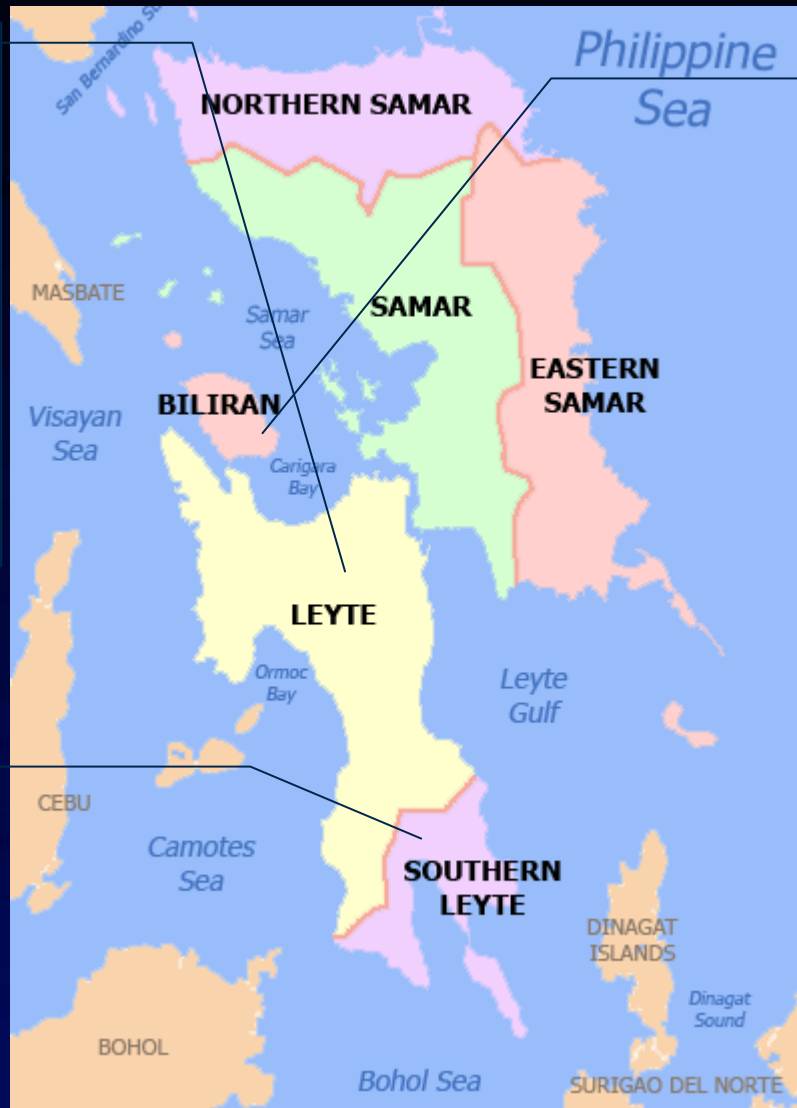
- **Bato-Lunas**

- Estimated reservoir temperature is 145-190 °C (Cation and Silica Geothermometries)
- 65 MW resource potential

### SOUTHERN LEYTE

- **Cabalian**

- GSC awarded on 13 January 1997
- 80 MW resource potential



### BILIRAN PROVINCE

- 20 MW resource potential



# **ACTION PLANS**

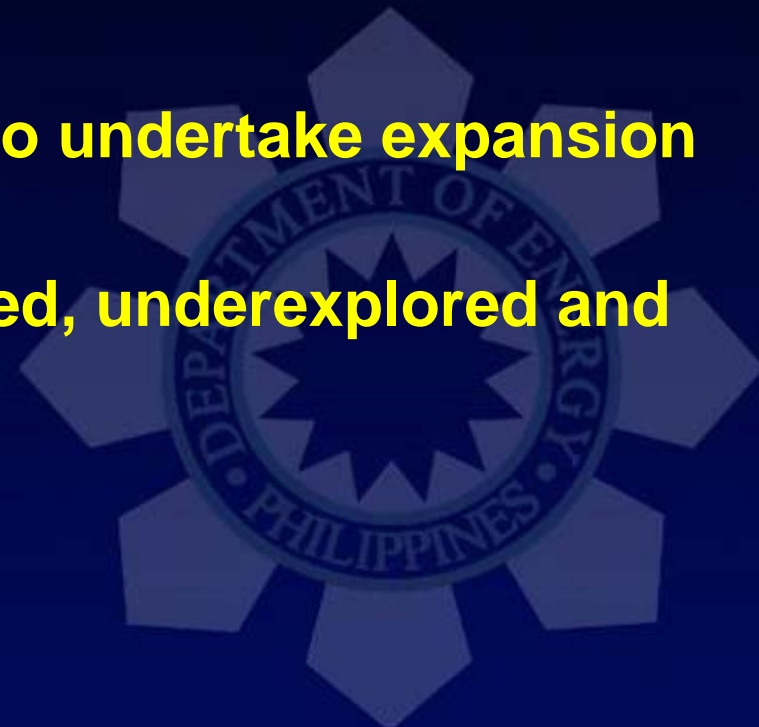
## **GEOHERMAL**

**GOAL** : To be the world's largest producer of geothermal energy

**SPECIFIC TARGET** : Installation of additional 165 MW for Region VIII

### **STRATEGIC ACTIONS:**

- ☐ **Encourage Service Contractors to undertake expansion and optimization projects**
- ☐ **Continued exploration in identified, underexplored and unexplored geothermal areas**



# **ACTION PLANS**

## **GEOHERMAL**

### **STRATEGIC ACTIONS:**

- ❑ Promotion activities under the Philippine Energy Contracting Round**
- ❑ Conduct assessment of low enthalpy geothermal resources and promotion of studied areas for development**
- ❑ Improve database and networking for better data access of both internal and external clients**

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18 July 2008

# ***DAMO NA SALAMAT***

