



Public Communication and Public Acceptance on Coal Power Plant

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Content

1. Who is the protestors
2. Reason for the Protest
3. The accusation about the coal fired power plants
4. The major causes of projects' failure
5. Case study of BLCP Power Plant
6. Conclusion



Coal fire power plant projects in the south





Coal fire power plant project In Rayong





1. Who is the protestor?

Answer The projects' stakeholders





2.Reason for the Protest

Overview (MACRO)

1. Bad impression from
the previous coal
power plants.

Dirty Fuel

Causing problem of
respiratory system.

Cause acid rain

2.Global Warming

Cause climate change

Natural flooding

Sea level changes
The loss of sea lives.



2. Reason for the Protest

Overview (MACRO)

3. The protest by NGO
on environment

Green Peace

Academic specialists

4. Lack of government's
support

Energy Ministry's
specific policy

No support from local
government

Developers of the coal power
plants have to fight alone



2. Reason for the Protest

In the area (MICRO)

5. Location of
the power plant

Land acquisition problem

Close to the
conservative area

6. Communities'
participation

Do not receive any info.

No community involvement
from the start

Do not have any benefits from
power plants' operation



2. Reason for the Protest

In the area (MICRO)

7. Local Politic

To win the election
by sharing the same opinion



3. The accusation about the coal fired power plants

- Most of the hot issues came from the accusation of NGO or the academic who want to build the reputation by creating panic in the community and society by raising environmental and health issues.
- The resolution is to answer all the accusations by using scientific data back up. Thus, the scientific data is needed.



3.The accusation about the coal fired power plants

Accusation topics

- Contamination of heavy metals from coal burning such as arsenic, mercury etc.in to the environment
 - The impact of heavy metals from coal into the water and into environment and food chain.
 - Toxicity of heavy metals in fly Ash.
 - Impact to public health.
- Acid Rain
- Respiratory Impact to communities.



3. The accusation about the coal fired power plants

Accusation topics

- Coal dust dispersion, ash dispersion.
- Cooling water:
 - The amount of sea lives are reduced by the cooling water of power plants.
 - Impact to ecology system.
 - Raw water shortage.



4.The major causes of projects' failure

1. The community has not received the disclosed information of the project.
2. The communities do not have any decisive participation from the beginning.
3. Bad Impression from coal fire power plant in the past
4. The intervention of NGOs that oppose the project.
5. The communities do not get any benefits from the project occurred evenly.



5. Case study of BLCP Power Plant

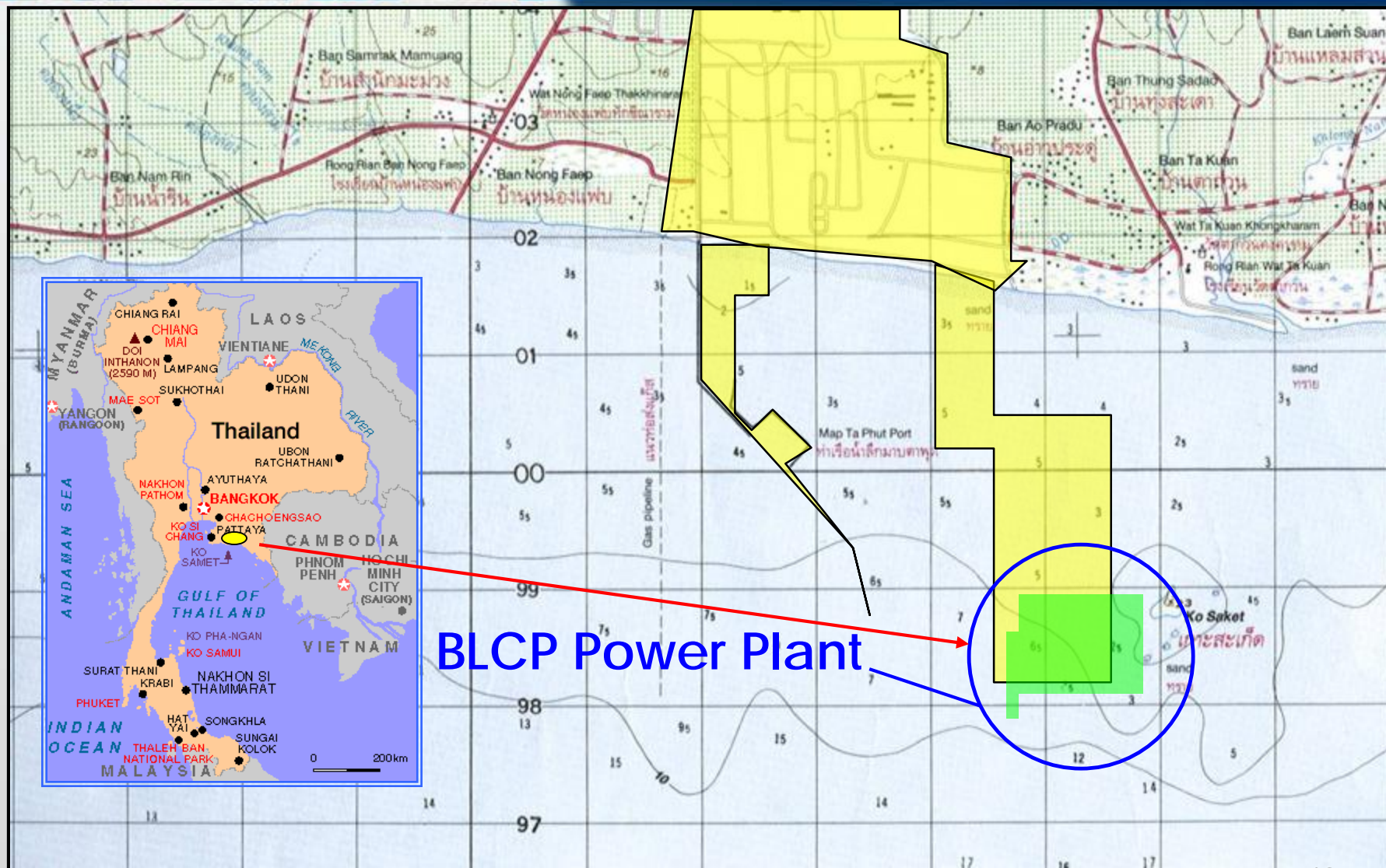
Map Ta Phut Industrial Estate, Rayong



Project summary

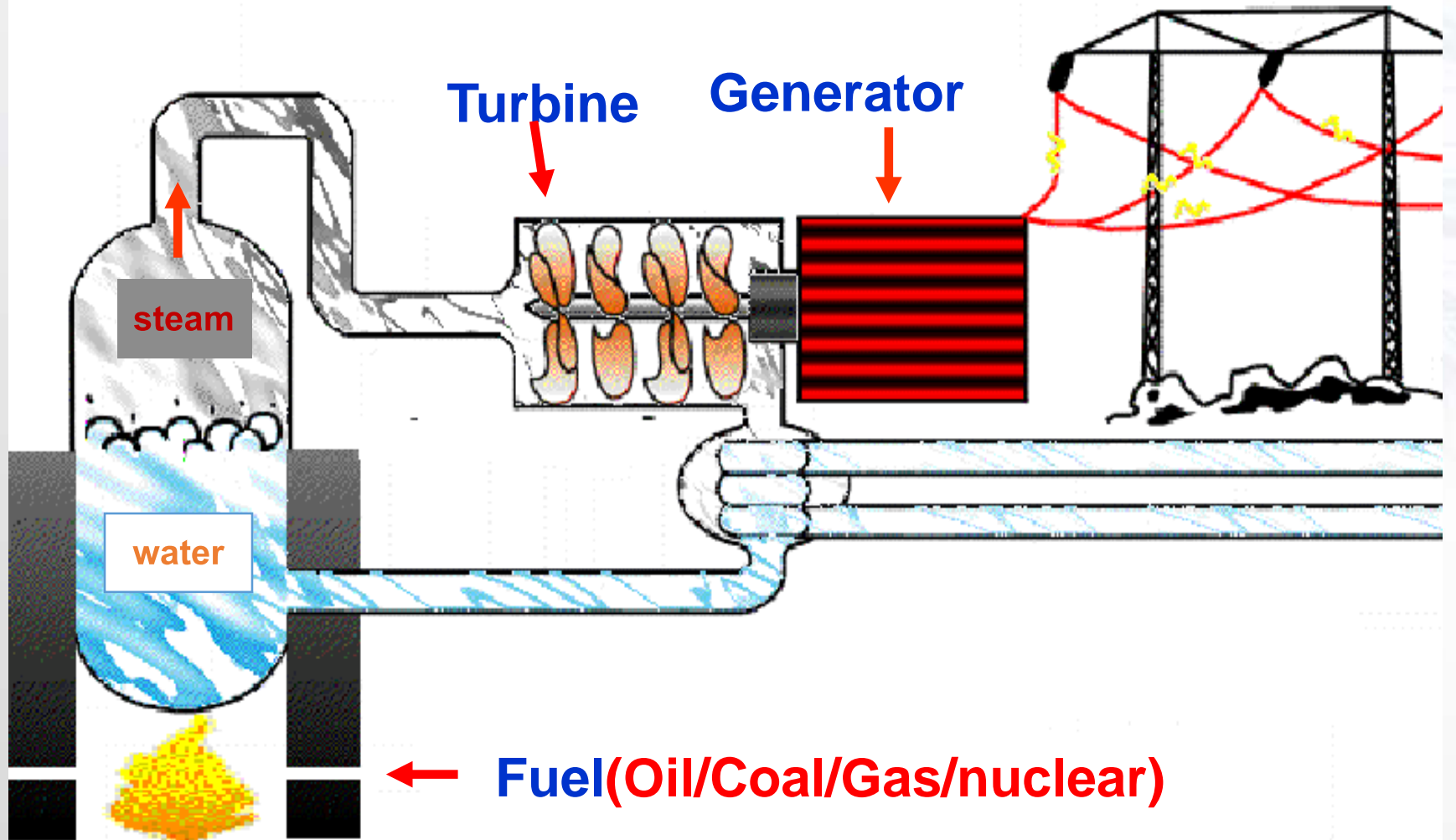
- **2 x 717 MW Coal- fired Power Plant, owned by Banpu and EGCO**
- **Project promoted by Board of Investment(BOI) of Thailand**
- **25 years coal supply by ACH/Rio Tinto, Australia**
- **25 years Power Purchase Agreement with Electricity Generating Authority of Thailand(EGAT)**
- **30 years Land Lease Agreement with Industrial Estate Authority of Thailand(IEAT)**
- **Engineering Procurement and Construction (EPC) by Mitsubishi, Japan.**
- **Ash sale to cement and ready-mix plants**
- **Commercial Operation Date (COD) of Unit 1, October 1, 2006
Unit 2, February 1, 2007**

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Electricity Generation Process

➔ Thermal power plant





5. Case study of BLCP Power Plant Map Ta Phut Industrial Estate, Rayong

Year 2000- The Protestors opposed the construction of BLCP Power Plant. p.





5. Case study of BLCP Power Plant Map Ta Phut Industrial Estate, Rayong

March 2004— The Protestors opposed the construction of BLCP Power Plant.





5. Case study of BLCP Power Plant Map Ta Phut Industrial Estate, Rayong

April 2005- Greenpeace volunteer had opposed the construction of BLCP Power Plant.



5. Case study of BLCP Power Plant Map Ta Phut Industrial Estate, Rayong

December 2005- Greenpeace volunteer had opposed the construction of BLCP Power Plant.





5. Case study of BLCP Power Plant Map Ta Phut Industrial Estate, Rayong

December 2005- Greenpeace volunteer had opposed the construction of BLCP Power Plant.





Public Participation

Process

Public education



Public consultation



Solve or minimize the concern issues

Public Participation Program

➔ **Begin Year 2001**





Public Education and consultation

➔ Small Group Discussion





Glow SPP Visit





BLCP Site Visit





Public Education and consultation

➔ Build Kiang Saket Energy Center (Energy Learning Center at BLC Power Station, Rayong Province)



KSEC had been operated since 1 June 2015. Visitors include communities, students Government Agencies, Press, neighboring companies and general public, total 72, 600 persons.



Public Education and consultation



BICP Junior Guides Project
(consecutive year 9th)



Public Education and consultation



Tripartite Meeting since year 2002 to June 2015,
total 56 organized meeting with 21,079 participants



Public Education and consultation



EIA Monitoring Committee
since year 2002 to June 2015,
total 54 organized meeting with 1,345
participants



EIA Audit sub-committee
since year 2004 to June 2015, total 132
organized meeting with 1,855
participants

Environmental Projects

**Solve the concerns of
the communities on
the environmental
aspects by BLCP
Power Plant**





Environmental Projects



Sea Lives Releasing Project (Consecutive year 12th)



Approximate 10 million sea lives (total 8 times/year)

Resolve the concerns of the communities on the environment



BLCP Artificial Coral Reef Project

Resolve the concerns of the communities on the environment



BLCP Mangrove Forest Planting Project

Resolve the concerns of the communities on the environment

Job Opportunity for the Communities



Resolve the concerns of the communities on the environment



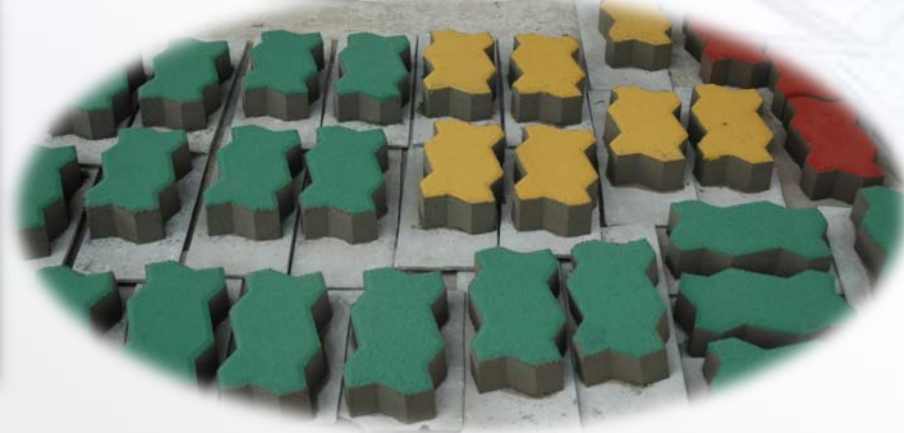
**BLCP Sea Mussels
Hanging Farm**

July 2005 – June 2015

Local fishermen can raise sea mussels

Create 176 jobs and create income total 3,208,890 Baht

Improve standard of Living



BLCP Fly Ash Cement Blocks Project

Start the project since year 2003 to June 2015

Create 7-15 jobs and create income total 3,179,650 Baht

Improve standard of Living



BLCP Hydroponics Vegetables Farm

March 2007 – December 2014

Create income to local communities total 828,433 Baht



6.Conclusion

1. Developing large projects requires the acceptance from by the community surrounding the plant.
2. To be recognized by the communities consists of two parts.
 - The communities trust that the plant will take care of the environment as commitment.
 - When the project occur, how the communities will get the benefits?
3. It takes time to create trust and acceptance from communities.



GOOD
LUCK

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Thank you