

# TRUE COST OF FOSSIL FUEL

South-East Asia Oil Watch, Dili, East Timor

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Network

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#### **EPICENTER OF GLOBAL MARINE SHOREFISH BIODIVERSITY**

(springer & carpenter, 2005)



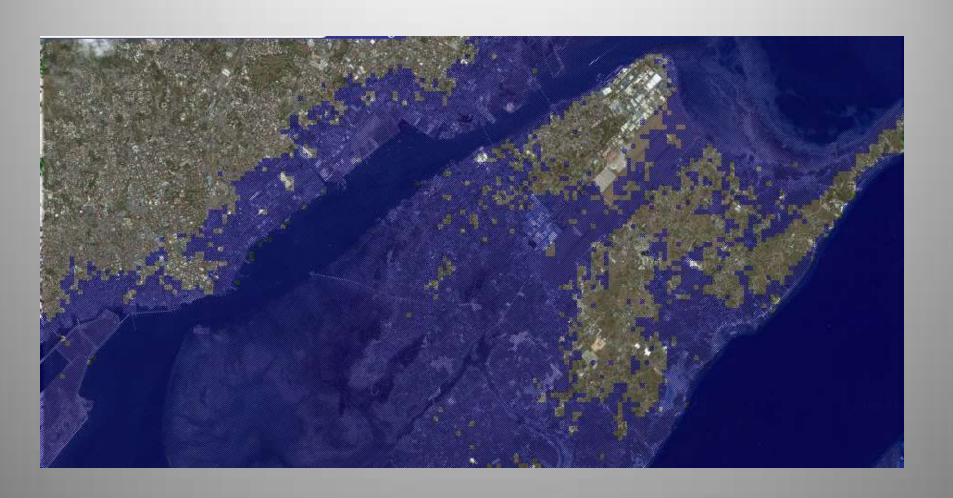


In Central Visayas alone, there are more than 400,000 registered and non-registered individuals relying directly and indirectly in marine resources

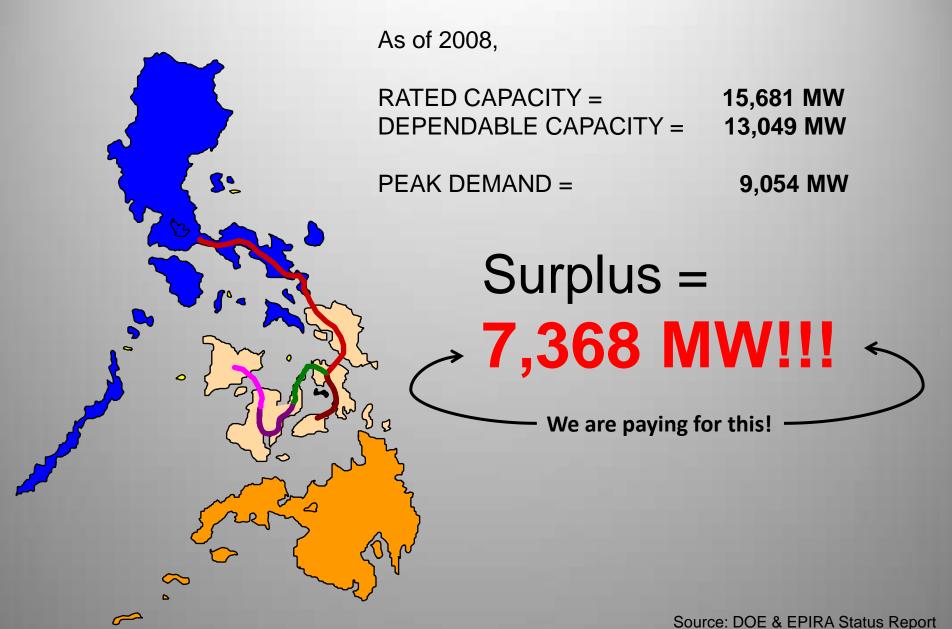
54% of daily animal protein requirement comes from marine products



# 7 meters rise



### Philippine Power Situation = There is **NO ENERGY CRISIS!**



# Power Sector Situation per Transmission Grid in 2004. DoE Visayas Power Development Plan 2005 to 2014

Power Transmission Grids	Installed Capacity (MW)	Dependable Capacity (MW)	Peak Demand (MW)	Unutilized Electricity (DepPeak)
Luzon	12,377	11,086	6,728	4,358
Visayas	1,721	1,520	1,063	457
Mindanao	1,665	1,402	1,278	124
Total	15,763	14,008	9,069	4,939

## resulting in unutilized electricity:

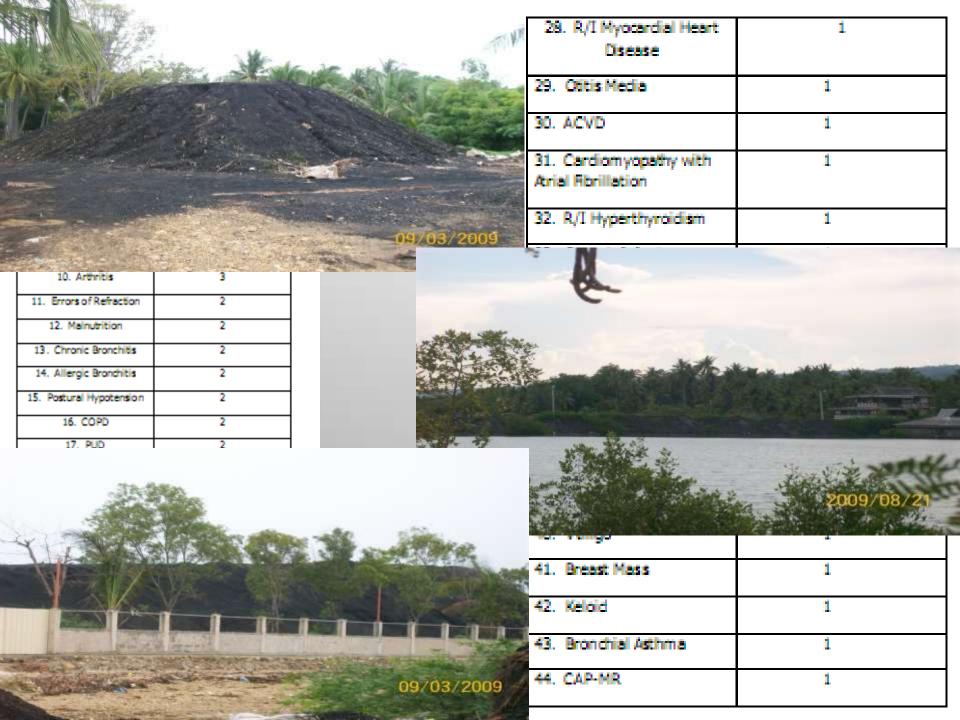
- 73.8 % of installed capacities
- 54.5 % dependable capacities,

We had over-supply of electricity, the generation costs of which were shouldered by the consumers through very high rates.

Over-generation was one of the major reasons why NPC was heavily in debt by about P1.4 trillion . . .

Late 2004 Pres. Arroyo assumed P200 billion of NPC's debts and declared a fiscal crisis.





#### **Access to Water:**



The residents of Sitio Lawis, Langtad buy water for 6 pesos per container approx. 750 meters away.

The residents in Sitio Relocation, Tinaan buy water .50 cents per gallon and 2.00 pesos per container

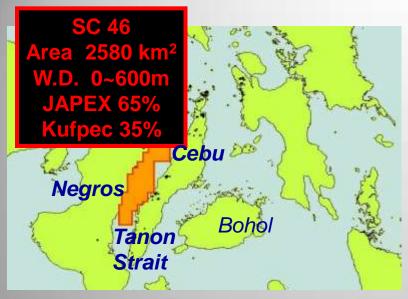
Artesian wells in there respective areas were already contaminated due indiscriminate dumping of coal ash and storage of grounded coal.



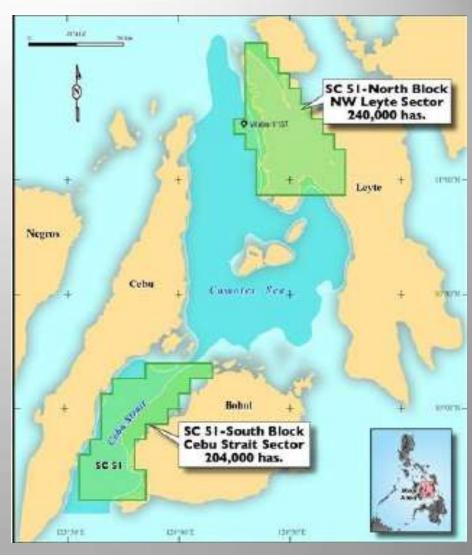
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### **Location Maps**







NORASIA, TRANS ASIA, ALCORN, PETRO ENERGY



**Maximum source level** 

**Noise source** 

Remarks

Reference

Thiele and Odegaard, 1983

Undersea earthquake	272 dB	Magnitude 4.0 on Richter scale (energy integrated over 50Hz bandwidth)	Wenz, 1962
Seafloor volcano eruption	255+ dB	Massive steam explosions	Deitz and Sheehy, 1954; Kibblewhite, 1965; Northrop, 1974; Shepard and Robson, 1967; Nishimura, NRL-DC, pers. comm., 1995
Airgun Array (Seismic)	255 dB	Compressed air discharged into piston assembly	Johnston and Cain, 1981; Barger and Hamblen, 1980; Kramer et al, 1968
Lightning strike on water surface	250 dB	Random events during storm at sea	Hill, 1985; Nishimura, NRL-DC, pers com, 1995
Seismic exploration devices	212-230 dB	Includes vibroseis, sparker, gas sleeve, exploder, water gun and boomer seismic profiling methods	Johnston and Cain, 1981; Holiday et al., 1984
Container ship	198 dB	Length 274 m; speed 23 knots	Buck and Chalfant, 1972; Ross, 1976; Brown, 1982b; Thiele and Odegaard, 1983
Supertanker	190 dB	Length 340 m; speed 20 knots	Buck and Chalfant, 1972; Ross, 1976; Brown, 1982b;

Natural and human-made so

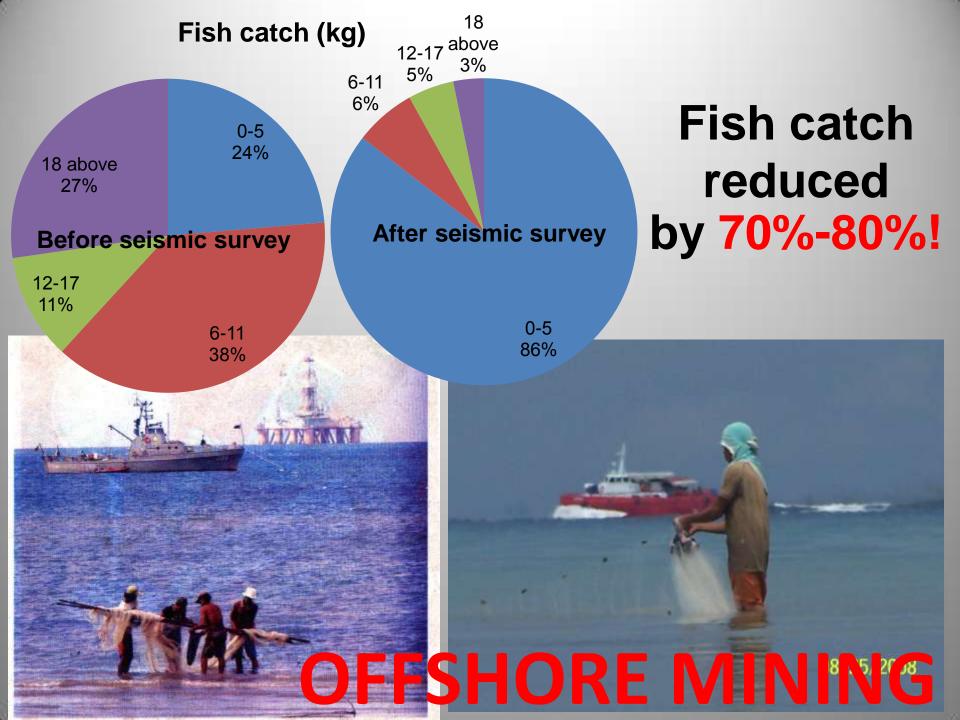
**Noise source** 

188 Db (avg 155-186)  185 dB  185 dB	Vocalizations: pulses, moans  Motor Vessel KULLUK; oil/gas exploration	Watkins, 1981b; Cummings et al., 1986; Edds, 1988 Greene, 1987b
	oil/gas exploration	Greene, 1987b
185 dB	M . M 1 A OLIA DILIC	
	Motor Vessel AQUARIUS	Greene, 1987b
180 dB (avg 175-180)	Fluke and flipper slaps	Thompson, et al.,m 1986
180 dB (avg 152-180)	Vocalizations: songs	Cummings and Holiday, 1987
175 dB (avg 172-175)	Vocalizations: pulse signal	Cummings et al., 1972; Clark 1983
175 dB (avg 175)	Vocalizations: moans	Cummings et al, 1968; Fish et al, 1974' Swartz and Cummings, 1978
74-100 dB (71-97 dB in deep sound channel)	Estimate for offshore central Calif. sea state 3-5; expected to be higher (= or > 120 dB) when vessels present	Urick, 1983, 1986
-	180 dB (avg 152-180)  175 dB (avg 172-175)  175 dB (avg 175)  74-100 dB (71-97 dB in	180 dB (avg 152-180)  Vocalizations: songs  Vocalizations: pulse signal  Vocalizations: moans  Vocalizations: moans  Vocalizations: moans  T4-100 dB (71-97 dB in deep sound channel)  Estimate for offshore central Calif. sea state 3-5; expected to be higher (= or > 120 dB) when vessels

**Maximum source level** 

Remarks

Reference



# Substantive Law Governing Oil & Gas Exploration (P.D. 87)

- Exemption from all taxes except income tax
- Exemption from payment of tariff duties and compensating tax
- Exemption upon approval by the Petroleum Board from laws, regulations and/or ordinances restricting the construction, installation, and operation of power plant for the exclusive use of the contractor

- Exemption from laws, regulations and/or ordinances restricting exportation of machinery and equipment which were imported solely for its petroleum operation when no longer needed
- Entry of alien technical and specialized personnel & immediate members of their families

## LANDMARK SUPREME COURT CASE

Dolphins v. Secretary Reyes, et al, SC-G.R. No. 180771

And 400,000 fisherfolks.

SPECIAL CIVIL ACTION NO. \_\_\_\_\_
FOR: ENVIRONMENTAL PROTECTION ORDER WITH PRAYER FOR
TEMPORARY ENVIRONMENTAL
PROTECTION ORDER & WRIT OF
CONTINUING MANDAMUS

# Regalian Doctrine

- The exploration, development, and utilization of natural resources shall be under the full control and supervision of the State.
- State's direct undertaking; or
- co-production, joint venture, or production-sharing agreements with Filipino citizens, or corporations or associations at least sixty per centum of whose capital is owned by such citizens.



#### $\Pi$

• WHETHER OR NOT THE OFF-SHORE OIL EXPLORATION CONTEMPLATED UNDER SERVICE CONTRACT NO. 46 IS LEGALLY PERMISSIBLE WITHOUT A LAW BEING DULY PASSED EXPRESSLY FOR THE PURPOSE

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Cabrido said that in the oral argument, he will give additional legal and scientific basis to prove that dolphins and other mammals residing at Tañon Strait have a legal standing to sue.

**EDITORIAL** 

Clear up the Tañon Strait

Things are not being expressed very clearly or forthrightly concerning the contrivensial all exploration being done by a Japanese Erm in the middle of the Tuton Strait between the islands of Cebo and - that the Yellon Strait is such a small Nignis, especially where it concerns the body of water, the entire strait could effects on local fisherous.

The main beef of the Subcrosco, or more vocaferously of the cause-oriented groups taking up the cutgets for them, is socurity buffer around it will out up that they will be losing their means of is of shoot because the oil exploration map Fratidy, asking liaborates to stay prevents them from accessing their clear L5 kilometers from a spot in the enditional fishing process.

The gratic of the matter to that the intermen are only presented from going. Filipines is that we are much whiners. to within a 1.5-billiometer radius of the oil rig. To give a clear idea what i 5 kilometers - do we hear the wind runtle worst leaven may look like, it is the distance from the incombash than we seek sortionion for Capital to somewhere just beyond Funite, the disturbance. waybe in mile CAPTedding.

New that is not such a deastic course, have the right to their own deprivation if one talks about fishing amon, no matter him off-tangent. But grounds, which are essentially large areas if finding oil brings for greater longincreased not in fractions of kilometers but seem benefits to all, the lishermen stars by the tens of kilometers. In larger bodies away find themselves the grateful of woor like control they are over monated. purisipants in this inevitable march we

The use of the term fishing grounds in the centraversy is therefore more out of hype than of methidacos. In real terms, considering be a fishing ground by itself.

Put into the contest of relative space in the strait, one oil rig and the seenahing like the width of a hair on a see, is real asking two much.

The trouble with many of as Quick to exploit our own minery, hardly

The fluhermen and their backers, of

#### More than oil

column there is no recommend. The statement married of the Statement Street Post

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With the quick decision to dig should come the deliberate commitment (heart) to provide safety nets for the local fisherfolk. We cannot attempt to provide for the future welfare of our people by closing our eyes to the present plight of those who will be immediately disadvantaged by the drilling.

The only way fishermen won't become sacrificial tambs for future oil

is to take care

ORLANDO P.

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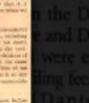
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wo lawyers organizations yesterday created a joint legal team to help defend environmental issues in general, and the Tañon Strait in particular.

The Joint Environmental Defense Team, formed by members of the Cebu City and Cebu Province chapters of the Integrated Bar of the Philippines (IBP), set as its mission to "promote the rule of law, good environmental governance and for all stakeholders - government business and civil society - to follow the path to sustainable

# **whales, dolphi** join Arroyo at SC

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Referre II of and Prombat, Artists in being NAME OF TAXABLE PARTY OF TAXABLE PARTY.

By PHOEBE JEN INDING, Correspondent

Believe it or not, President Arroyo is being lumped with animals who are going to court for a strange legal battle that can happen only in the Philippines.

And the president probably does not even know it, she being merely lumped in the case as

an "unwilling petitioner."

And it is no ordinary court they are going to but the Supreme Court, which is in for an unprecedented surprise when it is expected to be asked today to rule on "lesser life forms" perceived to be under imminent threat by human commercial endeavors. Turn to page 2



# RCH ENDS

Japanese firm pulls out from oil drill project fishermen, environmentalists hail decision



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# Service Contract No. 46 is Invalid, Unconstitutional and Illegal

 "The exploration, development, and utilization of natural resources shall be under the full control and supervision of the State. The State may directly undertake such activities, or it may enter into coproduction, joint venture, or productionsharing agreements with Filipino citizens, or corporations or associations at least sixty per centum of whose capital is owned by such citizens." (Art. XII, Sec. 2 of the 1987 Constitution.



# STOP THE BURNING!

## Article XII, Section 2, 1987 Constitution

"Section 2. x x x The State shall protect the nation's marine wealth in its archipelagic waters, territorial sea, and exclusive economic zone, and reserve its use and enjoyment exclusively to Filipino citizens.

The Congress may, by law, allow small-scale utilization of natural resources by Filipino citizens, as well as cooperative fish farming, with priority to subsistence fishermen and fish- workers in rivers, lakes, bays, and lagoons. x x x "





Address:

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Compared Compa