



2007

green electoral initiative

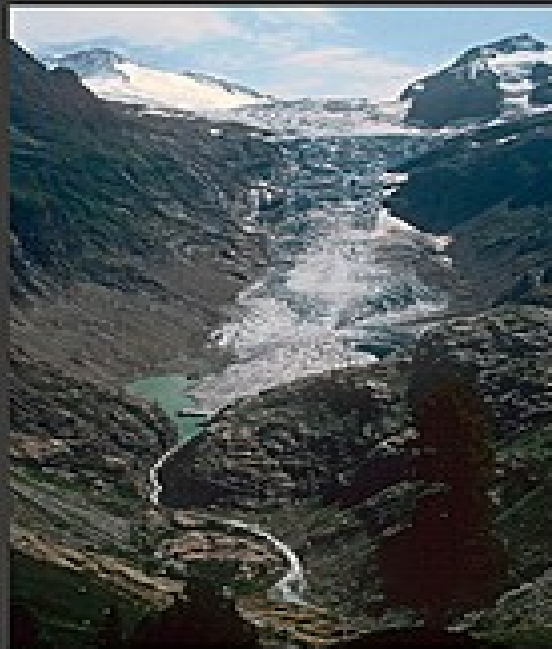


Environmental Trends

- Climate Change is now upon us
- Inaction is not an option



1948 Tritt Glacier, Gadmerrat, Bernese Oberland, Switzerland



2002



2006

Sea Level Rise

- **Increased salinity of estuaries and aquifers due to salt water intrusion**
- **At threat: ecosystems, biodiversity, livelihood (agriculture and aquaculture) and human water supply**
- **Can exacerbate: Subsidence due to haphazard water resource and land-use management, degradation of principal watersheds**
- **Areas already experiencing salt water intrusion: Philippines: Cebu City, Bulacan, Navotas, Valenzuela**



Extreme Weather Events

- Decrease in average rainfall and increase in temperature
- Severe storms, floods, landslides
- At threat: ecosystems and aquifers, biodiversity, livelihood (agriculture and aquaculture), food security and human water supply
- Impacts: pest and vector borne diseases, decrease agricultural output, decrease soil fertility, increase soil erosion, decrease in water supply (potable sources and tributaries)



Opportunity: Renewable Energy

There is enough wind resource to meet the energy needs of the world four times over.

The Philippines alone has an estimated 70,000 MW wind energy potential waiting to be tapped



Water Crisis

- Increasing scarcity of clean water.
- Water resources today are a soup of chemicals and nutrients (surface and groundwater)
- Clean water is a vanishing luxury, available only to those who can afford it
- Clean water for drinking has become an industrial product bought and sold by the gallon



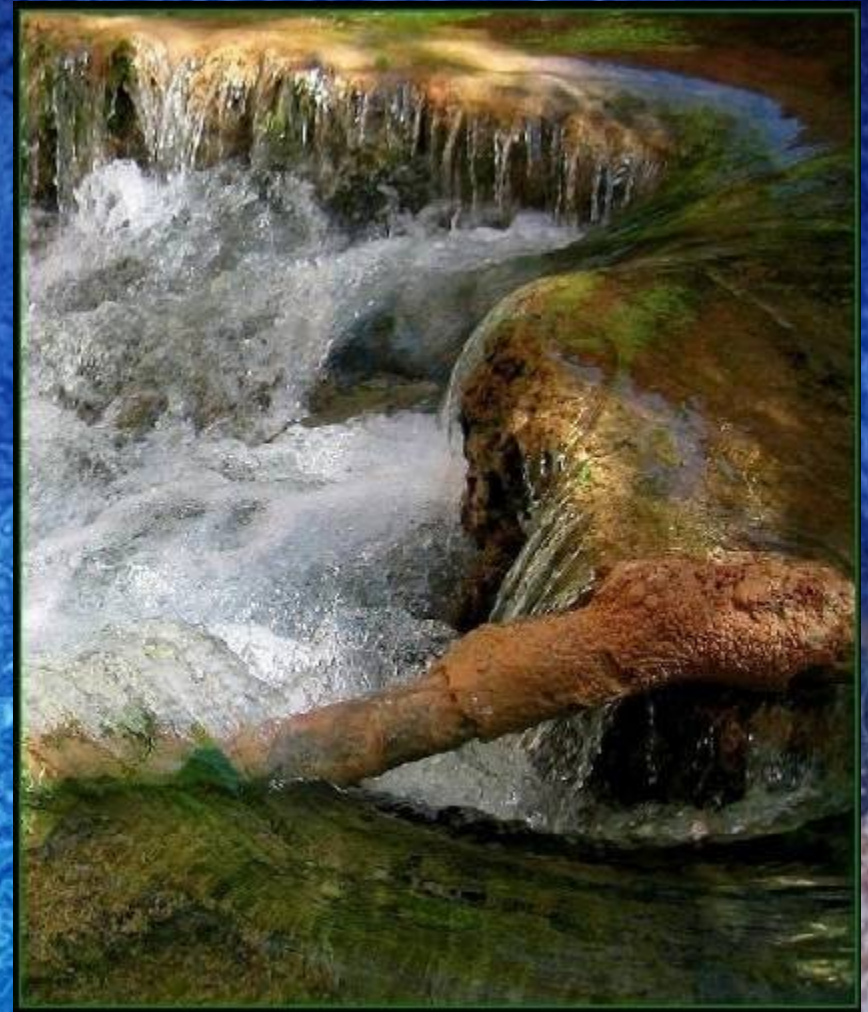
Water Scarcity and Pollution

- 6,000 children die every day from drinking polluted water
- Escalating pollution loading of freshwater sources and underground water supplies from industrial and agricultural sources (eg nitrates, chlorinated solvents, petrochemicals, heavy metals)
- Marine pollution from oil spills, waste dumping at sea



Threats to water availability

- Estimated water deficit by 2025 with low economic growth scenario
- All major cities except Angeles and Iloilo show water supply deficit
- Saltwater intrusion from water over-exploitation or excessive withdrawal of groundwater is reducing water availability
- Over-exploitation of forest resources and inappropriate land use practices have contributed to the diminishing water supply
- Pollution



Solid Waste Management Situation

Waste generation

- Average per person: 0.56 kg/person/day
- Average per person outside MM: 0.25-0.50 kg/person/day
- Total countrywide: 10 million tons/yr
- Total MM:
 - :2.4 million tons/yr OR 6,000 tons/day
 - : 14.5% of national generation rate



What a Waste!

Disposal:

- Open dumping: still the prevalent method of disposal despite Feb 2004 deadline for open dumps and Feb 2006 deadline for controlled dumps
- Incinerators in disguise still being used despite Clean Air Act ban on incineration



The Zero Waste Challenge

- RA 9003 mandates the establishment of Materials Recovery Facilities at the level of the Barangay
- Total number of barangays: 41,932
- Less than 2% has complied with the law



Toxic Trade

- The JPEPA unashamedly allows an unprecedented list of hazardous wastes, even those meant only for disposal, to be exported to the Philippines
- The list includes a very broad range of toxic materials, including nuclear waste - whose entry to the country is supposedly prohibited



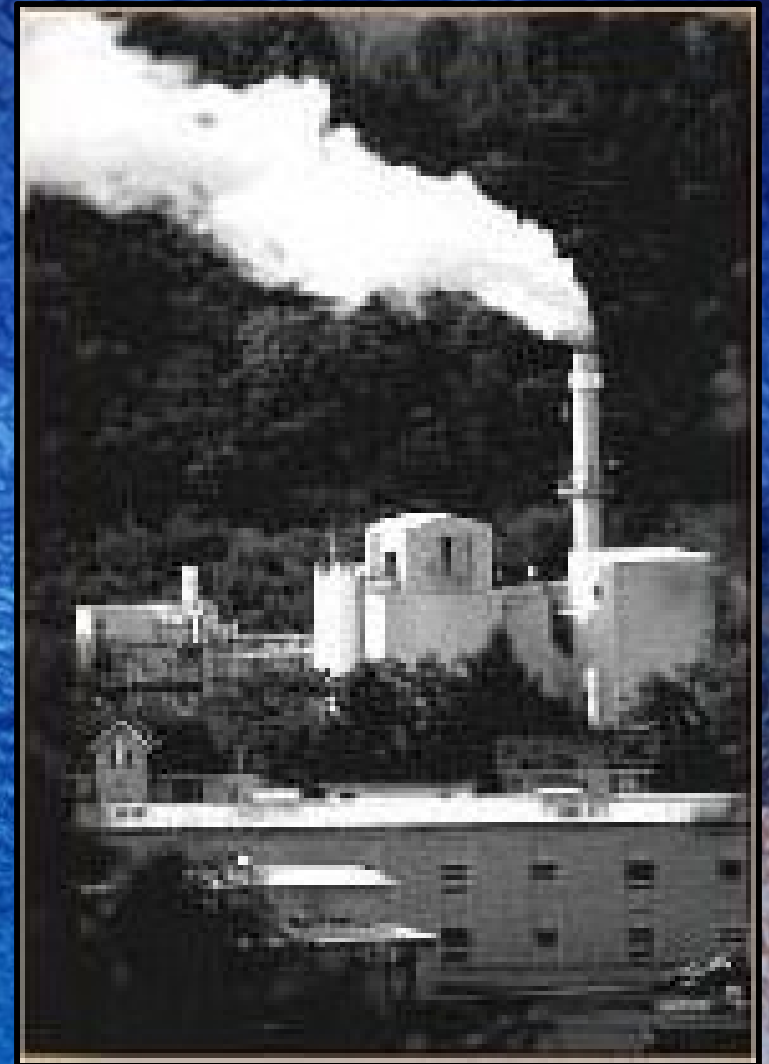
A dangerous deal

- The Philippines is already a recipient of hazardous waste from other countries, under the guise of recycling
- JPEPA will only open the floodgates to waste dumping from all over the world
- Toxics pollution from hazardous waste recycling poses serious threats to the environment, worker and community health



Breathing in Manila: How bad is it?

- According to the Asian Development Bank, in Manila alone more than 4,000 Filipinos die each year because of air pollution
- The mortality figure is the third highest for a city in the east Asian region



Tampering with Life

- The Philippines holds the dubious distinction of being the first country in Asia to allow the commercialization of a GM food crop
- The government has by far approved 36 GMOs for direct use in food, feed and processing
- Next GMOs in line for possible commercialization: Bt cotton, Papaya, Bt eggplant
- Rice, our most important staple is currently being targeted for genetic experimentation
- The Right to Know what people are consuming remains denied



You are what you eat...

- Pesticide use in the Philippines cuts rice productivity instead of improving it when the associated health costs are counted as a production cost. Rice pesticides are among the most toxic agrochemicals.
- The use of pesticides on rice in the Philippines has become increasingly problematic.
- More than half of all pesticides sold in the Philippines are insecticides (55%). Over the last decade, about half the insecticides sold have been used for rice.



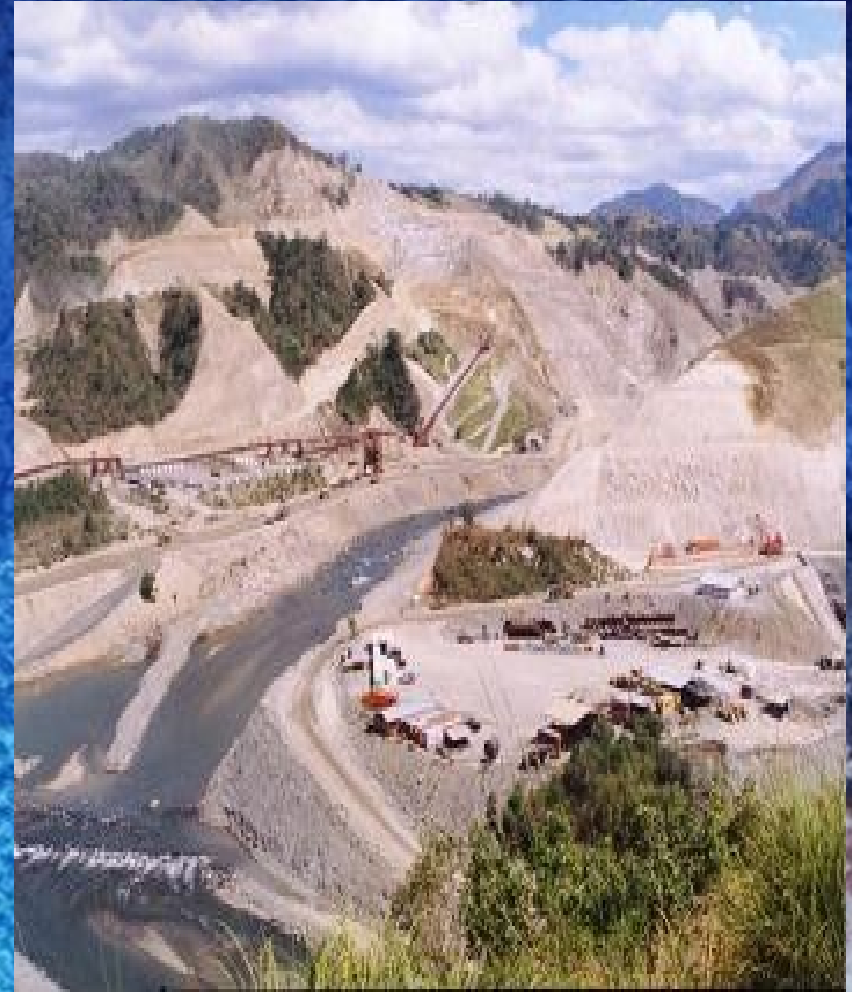
Forests : Skirting the Edge

- Only 3% of the primary forest cover of the Philippines remains and continues to be at risk of being wiped out by unabated illegal and destructive logging
- Illegal and destructive logging largely contribute to the decimation of our forest resources which causes loss of biodiversity, instability and massive erosion of upland soil, serious damage to our river and underground freshwater ecosystems, and coastal areas



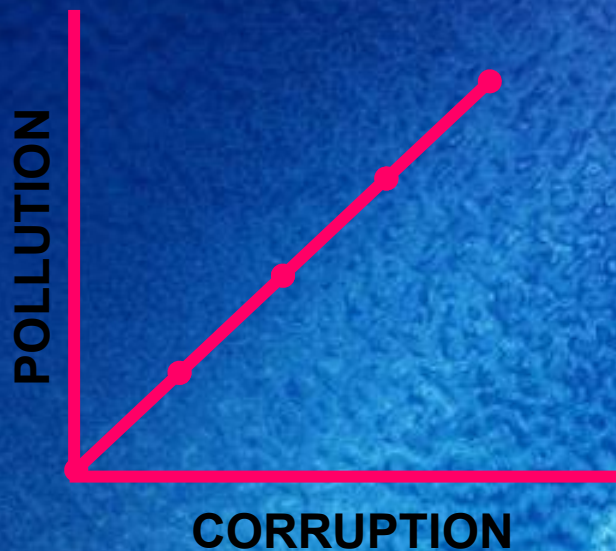
Mining our Future

- Exacerbation of acid mine drainage (AMD) which releases heavy metals into the environment
- Siltation which affects coral ecosystems
- Gains from mining's extractive activities are often superficial and not enough to compensate for the permanent loss of resources, collateral effects to local livelihoods, missed economic opportunities, damage to marine health, and threats to human life and the environment
- Lack of Corporate accountability (Marcopper syndrome)

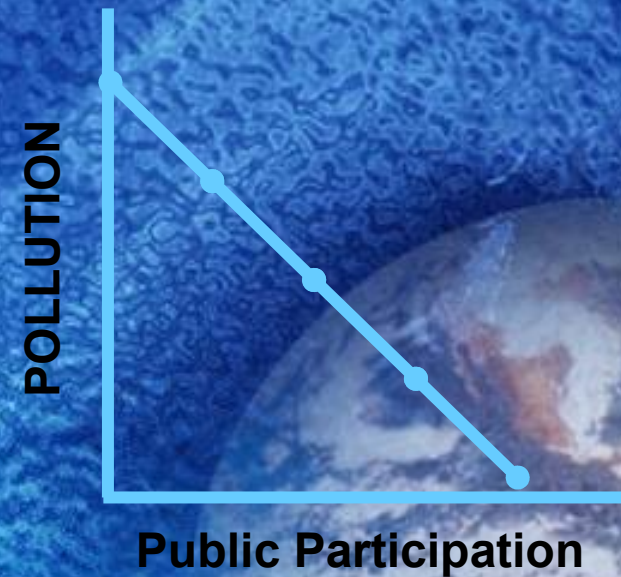


THE TWO LAWS of POLLUTION

THE BAD LAW



THE GOOD LAW



In Search of Good Leadership

We need national and local leaders who:


- value the environment (eg move us quickly from fossil fuels to renewable energy, reverse environmental ruin, etc.)
 - are visionary and creative
 - possess political will
- are NOT myopic, greedy and ignorant!

The Future ?





Or this?



“People trying to build the present merely in the same image of the past, will miss out entirely on the challenges of the future.”

- Winston Churchill



VOTE FOR A GREEN FUTURE !