

To the: Newly Elected President

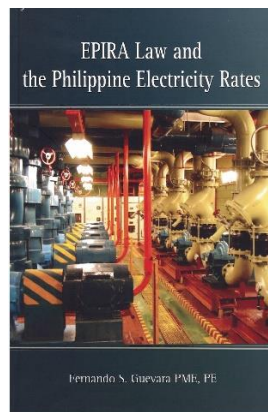
Vice-President

Senators and Congressmen / Congresswoman

I always have wanted to share my knowledge to new incoming administration. It is my way of expressing my gratitude to my country and duty to give my opinions on issues that concerns public welfare. There are three (3) concerns that matters to me as a professional engineer. These are the price of electricity and power supply, remediation of abandon mines, and traffic congestions.

1. The Price of Electricity

The new government should take the inventory of all power plants by asking for the life cycle analysis before the start of the power plant and life cycle the remaining economic life of the power plant from the independent power producers (IPP). In this way we maybe able to estimate the present price of the electricity sold to the power distributors. Or determine the net present value (NPV) of the power plant based on the original NPV and the NPV of its remaining economic life of the power plant. [I have made an example calculation (capacity payment method) based on the Department of Energy and Climate Change (DECC) of UK in my book "EPIRA Law and the Philippine Electricity Rates" 2015 a copy can be requested at dingsguevara@gmail.com]. At the same time the base load capacity is determined on the basis of reliability of the power plant in the country. From these information we can now project the much needed new power plant capacity to be installed in the next 10 years.



2. The Department of Energy (DOE) should restore some of its powers by amending the EPIRA law. The Executive Department thru the DOE has no power in solving the electricity price increases and brown-outs because all powers of the DOE are transferred to different government entities that are beyond control of the DOE. It should be noted that under EPIRA Law three government bodies were created immediately namely the Power Sector Assets and Liability Corporation (PSALM), Whole Sale Electricity Market (WESM) and the National Transmission Corporation

(TRANSCO). The law also created a quasi-judicial body Energy Regulatory Commission (ERC). It also created two private corporation the National Grid Corporation (NGC) and the Philippine Electricity Market Corporation (PEMCO) later operationalize as WESM. All these entities added to the cost of electricity.

The DOE was left only to produce statistical data of the power situation in the country but is not in a position to control electricity prices nor has control over the operation of the power plants. To exercise the power of the executive department thru DOE the secretary can be a voting member of the ERC.

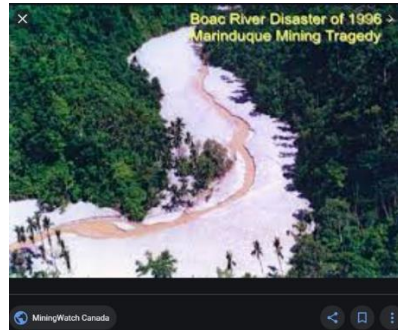
To exercise the executive control as power producer, a law should allow the National Power Corporation (NPC) to acquire 55% of the power capacity and transmission of the country. It should be noted that NPC operates as power producer and transmits power prior to the EPIRA law was created. To keep NPC's financial stability it should be allowed to be listed in the stock exchange. This was done by Malaysia and Thailand.

3. The Bataan Nuclear Power Plant (BNPP) should be operated and the process should be started by the new administration now. It will take six (6) years to make BNPP operationalized. If those who wish more information to such proposal please log-in to my website at engineerspointofview.com and refer to November 2020 date. See topics on Chernobyl Nuclear Plant, Fukushima Nuclear Power Plant, 3-Mile Island Nuclear Power Plant and about BNPP. Chernobyl and Fukushima reactor is a Boiling Water Reactor while the 3-Mile and BNPP is Pressurized Water Reactor. In the 3-Mile Reactor one of the reactor melted but did not cause radioactivity to the nearest community. A copy can be requested at dingsguevara@gmail.com.



4. The new administration should remediate the abandoned Marcopper mines before any major environmental disaster occurs. The Open Pits left by the mining operators continuously contaminate the Tapian and San Antonio mining pits with sulfuric acid or acid mine drain (AMD). The Joint U.S. Geological Survey – Armed Forces Institute of Pathology Reconnaissance Field Evaluation, May 12-19, 2000 by Geoffrey S. Plumlee et al. concluded that “*the potential magnitude and impacts*

of all these problems are so great that we strongly recommend the implementation of a general mining-environmental assessment and monitoring program on the island. The primary goals of such a monitoring and assessment program should be to (1) understand and define the magnitude of the different mining-environmental problems, (2) prioritize the problems for remediation, and (3) look for creative, cost-effective ways to help mitigate or remediate the problems”.



My proposal is in my thesis submitted to the UPOU titled “Remediation Study to use Dolomite to Neutralize Sulfuric Acid in the Abandoned Copper Mine Pits in Marinduque”. It is a required thesis for my Master in Environment and Natural Resources Management (MENRM).

5. Traffic congestion specifically in EDSA should be an urgent concern of the new administration more specially today when the price of fuel has doubled. My proposed solution was send to the Office of the President in 2016 but was not considered by the government agencies, on the belief that by building more roads and railway network will solve the problem. Six years after, traffic congestion still pervades our streets. It only proves, and has proven by other countries, that by building more roads does not solve traffic congestion but instead exacerbates the situation because it encourages to use vehicles on the road. My proposal was to add more bus routes with bus stops every 300 to 500 meters strategically located within 200 meters of any residence. The bus departure and arrival time including



destinations in every bus stops can be access thru the cellphone. This proposal for NCR can be done in 12 months at less cost compared to building roads that will take years to complete without solving the traffic congestion. My proposal to

the Office of the President in 2016 can be accessed by logging-in at engineerspointofview.com or send request copy at dingsguevara@gmail.com.

For more information log-in at engineerspointofview.com and for comments send to dingsguevara@gmail.com.

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