

PUBLIC HEARING LIST OF ISSUES AND CONCERNS
PROPOSED LUNA 2X335MW COAL-FIRED POWER PLANT PROJECT
VENUE: LUNA SPORTS COMPLEX, LUNA, LA UNION
05 December 2017, 8:00 AM

PROJECT FACT SHEET

Project Name	Proposed Luna 2x335MW Coal-Fired Power Plant Project	Project Location	Barangays Carisquis and Nalvo Sur, Luna, La Union
Proponent Name	Global Luzon Energy Development Corporation (GLEDC)	Proponent Address	3 rd Floor La Paz Center, Salcedo Street cor. V.A Rufino Street, Legaspi Village, Makati City
Proponent Contact Person	Jaime T. Azurin (EVP - GLEDC) Emil Garcia (VP - Vivant)	Proponent Means of Contact	Landline: (32) 464-1600 Fax: Mobile: Email:
EIA Consultant	Aperçu Consultants, Inc.	Consultant Address	Unit 307 Philippine Social Science Center Commonwealth Avenue, Diliman, Quezon City
EIA Consultant Contact Person	Ana Gabriela L. Conjares	Consultant Means of Contact	Landline: (632) 929-2778 Fax: (632) 929-2778 Mobile: 0917 305 4302 Email: anaconjares@apercu.biz.ph
DENR EMB Hearing Representatives	Carl Santiago	Place of Public Hearing	Luna Sports Complex, Luna, La Union
	Jolo Aragoncillo	Date of Public Hearing	December 05, 2017 (Tuesday)

ISSUES/ CONCERNS IN THE PUBLIC HEARING

EIA Module	Issues/Suggestions Raised by Stakeholder	Sector or Representative Who Raised the Issue/Suggestion	Response
I. Water	Water Pollution: the warm water coming from the plant goes to the sea. If it is warm now, it will not stop and ill become hot. Those who will bath in the beach, what will happen to their skin? The hot water will also go to the south.	Atty. Romeo Camacho (Barangay Sto. Doming Sur, Luna, La Union)	GLEDC: The emission standard will certainly be in compliance with the standards in DENR. The DENR is the regulatory planning. They are the expert as environmental concerns. These DENR officers that we have with us have defined the limit. There are many standard. These standards which have been presented in our study that the standards respected of the operations are way below the limit set by the DENR. So we will comply and our track record of compliance is beyond that.

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	<p>Cooling water requirements: water to be used to cool down the power plant. 111, 624 tons/hr. Where will they get that amount of water? In terms of fresh water requirements, 78 tons/hr to be operated for 25 years? How many hours? 24 hours a day x 365 days x 25 years.</p> <p>My question is, where will you get this amount of water especially fresh water? You will get all the water from Cabalitocan, from Sucoc. So what about our farmers? Where will they get water if the power plant gets it? There will be a competitor against the farmers. You're stealing the very source of the livelihood of the people.</p>	<p>Crisanto D. Palabay (Barangay Bauang, La Union)</p>	<p>GLEDC: There are only two ways that we will use on the water. Cooling water and processed water. The 1,000,000 liters that you were saying per hour or per day that we will use is the one circulating. Every hour we are using 1,000,000 liters and it will come out every hour. So, we don't have any consumption. It is just circulating. We call that circulating water. We are only using it to cool down the processed water. The processed water is too expensive. You process it and then dispose. So, it needs to be condensed and to be utilized again. That is what you're talking about. The fresh water will be taken from the sea. We will not get from the lake or deep well, instead from the sea and we call it desalination process. We will remove the unwanted minerals and we process it and the by-product will be salt brine. It's like a concentrated salt but it's not actually salt. And it's for further processing to remove all the minerals because those minerals are harmful at very high temperature. That's the process. The water that will be used that you mentioned 78 tons/hour will be processed and we are going to use that 78 tons continuously. During the process, there is an evaporation. It will be decrease little by little. In a day, it will be decreased by 3% to 2% per hour. The average is 2% per hour. So it's just 1 to 2 cubic meters per hour times 24 hours that is 48 cubic meters per day are just consumed. That will be evaporated. But the 1,000,000 L is just circulating. If how much amount of water is to be used then it's the same amount when it will be released. The only</p>

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			thing that will be changed is the temperature and when 30° entered as it passes through mixing it will just be 3° centigrade. So the increase will just be 3°.
II. Air	Air Pollution: Coal power plants burn fossil fuels. It is the most comment source of acid rain. Whatever is emitted from the power plant will affect everybody.	Atty. Romeo Camacho (Barangay Sto. Doming Sur, Luna, La Union)	<p>GLEDC: As presented, our company is not new with power plant, we have five (5) power plants operating in the Philippines. We have members of the Multi-Partite Monitoring (MMT) Team attending to witness that cause of our existing powerplants. We have very good compliance and it never cause acid rain and sickness. Also, there was never an incident where a powerplant caused acid rain here in the Philippines</p> <p>Mas maganda ang technology natin. The emission technology na gaggamitin, mas maganda nag quality na magagawa. Ang mga standards expected for the operations ay mas mababa</p>
III. Others	ER 1-94: Bakit hindi 1php per 1000 kilowatt hour? Where the 1 centavo came from?	Atty. Romeo Camacho (Barangay Sto. Doming Sur, Luna, La Union)	<p>GLEDC: The amount was based from the energy regulation. One centavo per kilowatt hour. So the regulation is per hour, per kilowatt. This power plant project is 670MW, maximum capacity. 670MW x 1,000 is 670,000 x 1 centavo per hour. How many hours are there in 1 week? How many days are there in 1 month? And translated to 1 year. That will be based from the regulation given by our government. But before that, they have conducted a complete staff work program. They asked all the stakeholders. They get reasonable means that we can give to the stakeholders. After the process, there is a public consultation, the ER1-94 is used.</p>

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	<p>Comments and reactions:</p> <ol style="list-style-type: none"> 1. Yung usok from Pinatubo umabot sa Bicol, baka mini bulkan din ang pinapatayo 2. Walang kwenta ang project, lutong makaw ang project dahil may support na ang mga lgu down to the brgy level. Bakit pa magkakaroon ng public hearing kung hindi naman maipapaliwanang ng maayos. Kasi hindi lang naman ang munisipyo ang makakakuha ng benefits, nas acuity, nasa brgy ang magbebenefit sa mga barangay 3. Maganda yung presentation, may employment, tourism, pero yung mga risks na maipapakita naman ng mga anti groups. Pano daw pag pumalpak, sakit, pagkasira ng dagat, halaman, traffic/ 4. Pano daw pag pumalpak, hindi na mababawi. Short lived lang ang effects pero baka mas mahaba ang negative effects 	<p>Prof. Soccoro Nacionales Camacho (Barangay Sto. Doming Sur, Luna, La Union)</p>	<p>-</p>
	<p>Comments and reactions:</p> <ol style="list-style-type: none"> 1. Compare this is cooking with wood. May nakuha siyang sakit, pero wala nang halong chemical. Paano ps kaya kung meron na? 	<p>Col. Abelardo J. Garcia Jr. (Barangay Rimos 5, Luna, La Union)</p>	<p>-</p>

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	<p>2. Alam nyo ban a ang mga nakaupo sa munisipyo hindi naman taga Luna</p> <p>3. Walang siguridad na taga Luna ang kukunin sa trabaho</p> <p>4. Sa Jolo, Sulu, madaming isda dati, pero nung may dumating na diesel galing sa mga barko, nasira ba mga isda, hindi na masarap</p> <p>5. Oo, maganda ng project, yung layunin ng proponent, pano pag nagkasakit na ang mga taga Luna? Kawawa na sila. Prevention is better than cure. Habang hindi pa napapatayo ang planta, iwasan nating hindi na magkasakit.</p> <p>6. Pwesrsado yung mga empleyado ng barangay to attend the Public Hearing kasi babawasan ang sahod nila. Mga 4ps din,</p> <p>7. Wala pang Environmental Impact Study from the government. Yung mga tanim natin maapektuhan, bakit kayo maniniwala? Mahina ba ang mga utak ng mga taga Luna?</p> <p>8. Scientific studies that powerplant emit mercury, toxic metals, and other chemicals that will affect the people</p>		

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	<p>Comments and reactions:</p> <ol style="list-style-type: none"> 1. Based on our internal survey, the people of Darigayos wants a healthy life. 2. We witness the effect of a power plant when we visited the proponent's power plant in Toledo, Cebu. No effects on the marine life and people. We saw na dumami ang isda and nagging marine protected area and no one can fish and maligo dun. 3. Our position is that the power plant ay makakaganda sa buhay ng mga Lunanian. 4. Nakausap pa naming ang mga katabing barangay, local residents, and wala naman silang sinabing nakuhang sakit. Dahil wala tuloy lang ang monitoring ng DENR. 	<p>Rolando Casipit (Barangay Captain of Darigayos, Luna, La Union)</p>	<p>-</p>
	<p>Comments and reactions: I-endorse na ang project dahil marami siyang matutulungan na tao.</p>	<p>Lita Ancheta (Barangay Alcalá, Luna, La Union)</p>	<p>-</p>
	<p>Comments and reactions:</p> <ol style="list-style-type: none"> 1. During our trip in the power plant owned by GLEDC in Toledo, Cebu: a.) Surprisingly, when we arrived at that place, I observed that it is not a power plant that I have seen, but rather it is a park. 	<p>Alex Nuval (Barangay Captain Barangobong, Luna, La Union)</p>	<p>-</p>

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	It's clean and organized plant. b.) The water is clean and the fishes are alive in the jetty, outfall and intake. c.) The surroundings is clean. I haven't seen any dust and smoke.		
	<p>Comments and reactions:</p> <ol style="list-style-type: none"> 1. Na-assign ako sa Iloilo, iba ang nakita ko sa sinasabi nyo. Hindi nyo ba naiisip yung future ng mga anak nyo kasi iniisip nyo lang yung cash, hindi nyo iniisip yng mga anak. Kami iniisip naming ang ikabubuti ng environment. 2. Ang concern ko sainyo ay hindi makasama sa health and sa mga isda, kayo na bahala kng madala kayo sa pera 	Col. Abelardo J. Garcia Jr. (Barangay Rimos 5, Luna, La Union)	-
	<p>Comments and reactions:</p> <ol style="list-style-type: none"> 1. Dapat may hustisya at fairness, hindi sana kayo takot magsalita. May naririnig ako sa mga trike drivers na kung humarang sila, aalisin ang trunkisa nila. At hindi sila pinapasok dito. Sa karapatan din to ng mga tao, matatakot sila, pag may lumaban, patay sila 2. Planta sa Iloilo: Barangay Nipa, Concepcion, Iloilo. Bago mag undas, residents evacuated after flyash leak. Will this plant be 	Crisanto D. Palabay (Barangay Bauang, La Union)	<p>GLEDC: 2. Totoo po ang accident sa Iloilo. Bago ang planta, ang nagmamaintain and manage, puros intsik. Nakashutdown sila. May annual maintenance. Nagbara ang hoppers. Binuksan ang valve, which is not proper. Mali ag maintenance nila, procedural lapse. 210psi ang lakas ng hangin papunta sa ash silos. Binuksan nila sa taas at sa ibaba. My bagyo at that time and 29 families were evacuated. I am an expert sa planta, 25 years na kong nagmamaintain.</p> <p>Ensurance: based on the track record of the company. Wala kayang mababalitaan na taliwas</p>

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	<p>accident proof? Why did they have to evacuate these residents?</p>		<p>sa regulation. Ano ang asahan ninyo na magcocomply ang company? Iso certification</p> <ol style="list-style-type: none"> 1. Quality management system 2. Environmental management system 3. Occupational health and safety <p>Ang company na gustong magpatayo dito, 3 ng panta ay ISO certified. Which is subject to audit by certifying bodies from Germany, etc.</p> <p>These policies and systems ay based sa worldwide best practices as verified by ISO certifying body.</p> <p>Yung ibibigay na ECC, may mga requiremnets na ibibigay ang DENR-EMB based sa mga batas na need i-comply. Ang compliance na yun, may monitoring na based sa self monitoring nila na irereview ng MMT.</p>
	<p>Comments and reactions:</p> <ol style="list-style-type: none"> 1. Walang nakitang usok noong bumisita ng power plant sa Toledo. 2. Buhay ang mga isda sa planta 3. Malaki ang mga maitutulong ng proyekto sa sa atin 4. Yung mga pera gagamitin para sa pagpapgawa ng projects para sa school. May nakita silang mga clinics na binigay ng GLEDC. 	<p>Marciano N. Orfiano (Public School District Supervisor of Luna 1 District)</p>	<p>-</p>

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	5. Sana magkaisa tayo kasma ang mga officials dahil makakatulong ang planta.		
	<p>Noodati 5th class pa lang ang luna, ngayon 3rd class na. kaya magandang opportunity ang project kasi para sa employment ng mga tao</p> <p>Meron bang mercury? Wala po, kasi uling sya, carbon monoxide and sulphuric lang ang mailalabas nya.</p> <p>Yung tubig from the sea ay dadaan sa desalinator, punta sa boiler, at babalik sa dagat</p>	<p>Faustino bautista jr Chem eng grad Natl pollution</p>	

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	<p>Marumi ang mapaminsala ang mga coal plants. Kng pagunlad ang kailangan, baka meron naman na hindi nakakapinsala, nakakasira.</p> <p>Nakakalungkot na makikita na ang mga taga luna na nakahati</p> <p>Na hindi namna magagamit sa mga launion din</p> <p>Gusto ng pagunlad na hindi nakakamatay at magaaassure ng hindi nakakamatay and malinis</p>	<p>Val Deguzman Philippine movement for climate change/ NGO</p>	<p>Ngayon ang ginagamit ay bagong technology. Sa japan, etc</p> <p>Ilang taon ba dapat magoperate ang powerplant para mabawi ang gastos? 25 yrs</p> <p>Kung icmpare ang technology dati, pasicompare sa technology dati, to produce.4 kilograms. Dati, sobrang laki ang kailangan para makapagproduce ng 1kilowat</p> <p>Yjung ga nagsasara, pero marami pa rin namang mga may proper technology na mas maliit ang emmission</p> <p>Super critical coal technology ang gamit.</p> <p>Yung nakita nilang technology sa iloilo, mas advanced pa ang technology na gagamitin ngayon. Kng dati wala na silang nakikitang usok, pano pa ngayon.</p> <p>Mganda ang relationship ng company sa mmt, para masigurado na nagcocomply sila sa mga standards</p> <p>Participatory approach.</p>
	<p>Comments and reactions: 1. Kahit kami ayaw naming ng negative effects like acid rain. Pero maliwanag naman na yung DENR may sineset na controls and limits.</p>	<p>Raffy O. Domingo (Barangay Carisquis, Luna, La Union)</p>	<p>-</p>

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	<p>2. Itong project na to will give opportunity, hindi naman makaksama sa health natin, kasi nagset ang DENR ng standards. May studies din sila na ginawa. Magresearch naman tayo ng maayos.</p> <p>3. Magkaisa tayo para sa ikabubuti ng karamihan</p>		
	<p>Comments and reactions:</p> <p>1. Hindi totoo ang sinasabi na pag di nagpunta, aalisan ng prankisa.</p> <p>2. Baka magsisi tayo pag pinalampas natin kasi wala nang darating na ganitong opportunity satin. Pag dumating ang opportunity, wag nating hayaan na masira tayo.</p>	<p>Romeo Tumabcao (Barangay Carisquis, Luna, La Union)</p>	-
	<p>Comments and reactions:</p> <p>1. Nakikita nila ang benepisyo ng program, pero baka maging source of corruption. Kasi yung ibang nakaupo, hindi naman taga dito, nakaupo nang more than 16 years</p>	<p>Col. Abelardo J. Garcia Jr. (Barangay Rimos 5, Luna, La Union)</p>	<p>Hon. Mario Ortega: . Your point of views were very welcome. There are things that are not appropriate because it does not concern the plant. On what is good or bad. It is not good that you say the people were paid. It is not good that you insinuate that this will be a source of corruption. Even if there is or there is no power plant there is still corruption. I know, because I know how. How will they supposed to say that it was planned (Lutong Macau)? You are here! They are here to tell their opinions and what is on their minds, and what they feel. Then, they will realize what is the main point or gist of what they</p>

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			<p>talked about. It is true that burden of leadership is something that our Mayor, Mayor George, those official of the province, all of us! But we have to decide.</p> <p>Hon. George Pinzon: It's too early for politics colonel. Colonel, what you said was just too personal. Well I appreciate this event, the changing of opinions, and what we are standing for. Well I appreciate those who is against this project because you are airing the cons and agrees of this project. But you know fellows, even if I return to Bangar, I served here and I am one of you even you want it or not. I love Bangar and I love Luna. I love my wife who is from Luna. But colonel, election is still far. You are saying offensive words 'Taga-bangar' and '16 year service in Luna'. With that 9 years colonel, you don't know because you are not here, you don't know what is happening here. Don't disrespect those who are opposing this project. For me, as Apo Lakay Cares, heard from the people that there are few opportunities like this. Are you enlightened? From the proponents of the project. If, take my words I support this project but if the things you were afraid of that as several years will pass that it will give destroy us, I will be the one to stop this project.</p>