Gold Standard Initial Stakeholder Consultation Report
InfraVest Changbin Wind Farm Project - Taiwan

Luwei Wind Company Ltd./ South Pole Carbon Asset Management Ltd.

1 Summary

This report is a brief description of the Email Stakeholder Consultation dedicated for applying for a GS-VER project. Luwei Wind Company Ltd. (Luwei)'s mother company, InfraVest has been reducing CO2 emission through application of renewable energy, wind power in Taiwan since 2000.

Table.1 Gold Standard Email Stakeholder Consultation

Date of Email Invitation	23rd May 2008
Invitations Sent by	South Pole Carbon Asset Management Ltd.
Means of Invitation	Email
Consultation Conducted by	Luwei Wind Company Ltd. And South Pole Carbon Asset Management Ltd.
Website of Consultation	http://www.southpolecarbon.com/goldstandard_consultations.htm

2 Procedures Followed to Invite Comments

Sending Invitations

In compliance with Environmental Impact Assessment (EIA) before the project construction, Luwei had conducted a public hearing inviting local policy makers and residents for communication. The difference between this public hearing and Gold Standard initial stakeholder consultation is that Gold Standard Foundation (GS), local/global GS supporters and local Non Profit Organizations (NPOs) were not invited to participate. Hence to be fully in line with the GS rules and regulations and taking into consideration the cost, time and effort of initiating the same meeting, we therefore decided to have an email consultation to invite comments on the project. This invitation[1], along with the non-technical description of the project, the non-technical description of the project[2] , EIA introduction[3] and the EIA questionnaire[4] of Gold standard (the checklist) and the Gold Standard Sustainable Development Assessment Matrix, in Chinese, were attached for comments.

South Pole Carbon sent the email invitation on 23rd May 2008, to Gold Standard , Gold Standard supporting organizations in Hong Kong, local non profit organizations (NPOs) and academic researchers. The NPOs we sent the invitation to are Taiwan Environmental Information Center[5] and

[1] Annex I Invitation Letter

[2] Annex II PDD non technical description

[3] Annex III EIA introduction

[4] Annex IV EIA questionnaire

[5] Website of TEIA: http://teia.e-info.org.tw/

South Pole Carbon Asset Management Ltd.
Technoparkstrasse 1
8005 Zurich
Switzerland

Phone +41 44 633 78 70
Fax +41 44 63 14 23
info@southpolecarbon.com
www.southpolecarbon.com

Delta Foundation[6]. They are chosen because their websites are catered to communicate with the popularity; transforming the knowledge or environmental issues to a daily language that makes the topic easier to access. Considering these, we think they might be able to provide comments represent the majority of the stakeholders. The academic researchers chosen are specialists from the Environmental Science and Engineering area. Professor Cheng served in the UNEP based in Kenya before he accepted the teaching profession in Tonghai university. Now the director of environmental science and engineering department, he is often invited to participate in the public/ private project evaluation from the environmental point of view. Dr. Shen works closely with the Industrial Technology Research Institute (ITRI) to promote the industrial carbon reduction project. He has good knowledge on CDM, and global carbon trading mechanism. Therefore, we believe these two experts would be able to give the neutral feedbacks from their experiences and knowledge.

The recipients' list of the invitation is summarized in following Table.2:

Table.2 Recipients' List of Invitation [7]

Organization Invited	Email address
Gold Standard	info@cdmgoldstandard.org
Mr. Liam Salter, WWF	lsalter@wwf.org.hk
The climate group	joshharris@theclimategroup.org
Ms. Hsin Hsin Hsu, Taiwan Environmental Information Center	Hsin2@e-info.org.tw
Mr. Wim Chang, Delta Foundation	Wim.chang@delta-foundation.org.tw
Professor Wanli Cheng, Environmental Science and Engineering Department, Tonghai University	wlcheng@thu.edu.tw
Dr Youngshun Sheng, Environmental Science and Engineering Department, Dayeh University	ysshen@mail.dyu.edu.tw

Internet Consultation

Simultaneously, the invitation together with all documents were uploaded to the website of South Pole Carbon Asset Management Ltd, at address of:

http://www.southpolecarbon.com/goldstandard_consultations.htm

Besides the documents uploaded to the Internet, the consulted individuals and organizations could also inquiry for more details of the project via phone (+886 919 272 592) or email: j.chuang@southpolecarbon.com. Luwei Wind Company Ltd.'s contact: Dr Eugene Feifel +886 2 2395 4886

Documentation prepared in Mandarin (Chinese official language). These documents are available as hardcopies and will be handed over to the Designated Operational Entity (DOE) conducting the Gold Standard validation process.

3 Comments Received

Questionnaires Collected

[6] Website of Low Carbon Life Blog, Delta Foundation http://lowestc.blogspot.com/
[7] Annex V "Reply from Gold Standard, GS Supporter, and Local NGO"

7 pieces of questionnaires were distributed and 2 copies of replies received from TEIA and Professor Wanli Cheng, by the deadline, set in 2 weeks after invitation on June 6th. The questionnaires are all prepared in compliance with Appendix E of Gold Standard VER Manual. The questions all have been translated into Chinese.

Comments from the Consultation

TEIA regretted on commented on the project because the limit of time and human resources in the organization. They appreciated our invitation but addressed that reviewing the project is beyond their capability at the moment. [8]

Respondent, Professor Cheng didn't comment on the project nor state his major concerns in the questionnaire. There are limited impacts on the following aspects in his questionnaire:

- Concerns over local natural resources, and ecology systems
- Noises during construction and operation
- Animal activities
- Residential Spaces

To the above concerns, Luwei made the following response[9] in their previous public hearing:

Concerns raised	Response
Concerns over local natural resources and ecology system	No impacts on the local natural resources and ecology system. Because the west coast faces directly the wind blow, additional breakwinds are recommended for this area to stop the thick sands from the wind.
Noise during construction and operation	Wind turbines produce low frequency noises; the impact is thus considered limited
Animal Activities	Bird watching points are set to monitor the wind farm impact on the birds activity. The wind park will be lightened during night to reduce accidents of birds flying at night.
Residential Spaces	The wind farm is located far from the residential area. Taking the unique wind turbines into consideration, the area will attract more tourists and bring some job opportunities to its neighborhood.

Comments from the Internet

No comment was received from the Internet.

4 Comments Taken into Account

Since all comments received could be answered satisfyingly, the project participants do not need to take further actions.

As no major concerns were raised during the entire consultation process, it was not necessary to make any changes to the Project Design.

[8] Annex V Reply from GS, local GS supporter and NPOs

[9] Annex VI Sample of Questionnaire

Annex I Invitation

您已於 2008/6/5 下午 04:26 回覆。
這封郵件以高重要性傳送。
附件可能包含會破壞電腦的病毒，因此可能無法正常顯示。

Chen I-Chun

寄件者: Chen I-Chun **寄件日期:** 2008/5/23 [星期五] 下午 01:11
收件者: wlcheng@thu.edu.tw; ysshen@mail.dyu.edu.tw; hsin2@e-info.org.tw; wim.chang@delta-foundation.org.tw
副本: info@cdmgoldstandard.com; JoshHarris@theclimategroup.org; lsalter@wwf.org.hk; SOUTHPOLECARBON_IMPLEMENTATION; Chuang Jules; Knill Angela; Beaurain Francois; Wang Leon
主旨: Invitation of Email Consultation for Changbin Wind Farm, Taiwan
附件: Questionnaire Invitation.Changbin.pdf(76KB) PDD Introduction.Changbin.pdf(134KB) EIA Introduction.Changbin.pdf(101KB) EIA Checklist.Changbin.pdf(148KB)

Dear Secretariat of Gold Standard,
Dear GS Local/Global Supporters,
Dear Sir/Madam whoever it concerns,

Luwei Wind Power Co. Ltd. and South Pole Carbon Asset Management Ltd. are inviting you to comment on "Luwei Changbin Wind Farm" project. The proposed VER project is going to apply for Gold Standard.

A meeting with invited stakeholders was already held at Service Center of Changbin Industrial District ,Changhua County, Taiwan on the 18th of July 2006. To be fully in line with the GS rules and regulations we now would also like to invite the Gold Standard, local Gold Standard Supporters and local NGOs to comment on the project.

Please find attached following information and documents on the project:

- questionnaire invitation in local language
- non-technical summary of the project
- documentation on environmental impacts
- environmental and social impacts checklist

Please come back to us with comments, concerns and suggestions in the following two weeks, no later than 6th June by sending an e-mail or a letter to "Mailbox 818 No 181 Taichung Gang Road Section 3, 407 Taichung"（台中市中港路三段181號 818 信箱） Attention: Jules Chuang（莊昇勳）
Thank you in advance.

Best Regards,
I-Chun Chen
04 2359 5941
www.southpolecarbon.com

Invitation in local language:

鹿威彰濱風力發電專案
利益相關方問卷調查
Luwei Wind Farm Project
Local Stakeholder Opinion Invitation

各位先生、女士：

您好！
鑒於“鹿威彰濱風力發電專案”意向申請成為黃金標準之減碳專案，故與瑞士南極碳資產管理股份有限公司簽訂協定並由其負責相關開發工作。雙方認為此專案在應對全球氣候變化，減排溫室氣體方面作出企業應有的貢獻並希望通過聯合國指定的經營實體（DOE）之認證使本項目以及企業的社會責任感得到國際認可。

會議《 鹿威彰濱風力發電專案 利益相關方研討會 》本著集思廣益，以人為本的精神，在專案建成投產以前我們已於 2006 年 7 月 18 日在經濟部工業局彰濱工業區服務中心舉行召開一次相關方的研討會，諮詢社會各界對此專案的意見和建議以確保本專案不會對當地社會、環境以及相關人員的健康造成重大的負面影響。

為申請黃金標準認證之碳信用額度，依其申請規定在此謹代表鹿威風力發電股份有限公司和瑞士南極碳資產管理公司對您發出問卷邀請，希望您能在百忙之中抽出時間提出您對本案的批評與指教。

順祝，
安好！

瑞士南極碳資產管理公司
聯繫人：莊昇勳(先生)
聯繫電話：04 2359 5941
電子郵件：j.chuang@southpolecarbon.com

鹿威風力發電股份有限公司
聯繫人： 費佛樂（博士）
聯繫電話：02 2395 4886

附件：
- 專案設計檔介紹
- 環境影響評估介紹
- 環境社會影響核對表

Annex II Changbin Wind Farm Development-PDD Non Technical Description

Non-technical Description of the Project and Introduction to the Environmental Impacts in Local Language

鹿威彰濱風力發電項目
專案設計文件介紹
Luwei Changbin Wind Farm Project
Project Development Document Introduction

Gold Standard（黃金標準）簡介

黃金標準乃京都議定書規範下之清潔發展機制(Clean Development Mechanism)、聯合履行(Joint Implementation)與自願減排市場中之溫室氣體減排認證機制。黃金標準基金會位於瑞士，為非營利機構。目前已有超過 44 個非政府機構採認黃金標準，市場上的碳買家亦多偏愛經黃金標準認證後的碳資產。

黃金標準基金會的目標是

- 幫助具有可持續能源專案的投資
- 確保可續性開發案貢獻的顯著性與持久性
- 確保投資案對環境之影響
- 提高公眾對再生能源與能源效率的支持

經黃金標準認證的碳資產是嚴格地經審查以確保專案的開發不具負面影響，其永續發展的保證有三方面：

- 除了在專案國內要求的環境影響評估外，自國內性至國際性相關的環境要求都納入考量
- 社會開發如當地居民不應承受如遷徙等負面影響亦為考量之一
- 在經濟與技術發展上允許新科技的引進以活絡新的市場活動

透明的評估、制度化的程式以及長期地監控皆是黃金標準清楚表示專案之正面影響的方法。

台灣雖非京都議定書簽約國，然其減排專案亦有黃金標準的自願減排機制可供其碳資產認證。向黃金標準申報註冊的專案都必須編寫專案設計文件（Project Design Document）本報告主要向利益相關方簡單介紹“鹿威彰濱風力發電專案”的專案設計文件主要內容。

專案名稱

鹿威彰濱風力發電專案

業主介紹

鹿威風力發電股份有限公司係英華威風力發電股份有限公司轉投資。英華威風力發電集團於民國 85 年年成立，至民國 94 年年底在全球已開發興建超過 250MW 的風場，總投資額超過三億歐元(約 120 億新台幣)。英華威目前在亞洲地區的陸上風場開發計畫已裝置超過 30 座測風儀，確保計劃源源不絕。自民國 91 年 5 月起已藉由船隻及飛進於北海 Borkum 島附近進行長期環境調查。在風力發電開發上，英華威的專業值得信賴。

專案技術介紹

鹿威隸屬於英華威風力發電集團，自民國 89 年起其在中國、德國與台灣已有 13 座風力發電專案約 63MW 的經驗與技術。彰濱風力發電案共計 103.5MW，分二階段完工，該風廠使用的風機是 Enercon E70，每具有 2.3MW 的產能，共 45 具風機。風力發電是目前全世界公認最具潛力並減少溫室氣體的排放的再生能源技術，利用天然的風力發電，以供當地用電之需。在全球能源吃緊的情勢下，台灣能利用地利優勢發展自給自足的能源供給以替代進口燃料與燃煤的使用。

由於實施此項目帶來的社會和環境效益：

1. 再生能源的使用。本專案使用天然的風力發電，不但不會製造任何廢氣、廢水及其他汙染，也不會產生難以處理的核廢料，減少煙塵、酸雨及温室效應。同時不需仰賴國外進口燃料，也不受近日來國際間油價飆漲的成本壓力所苦。
2. 提升當地觀光資源與工作機會。風機成為當地特殊的觀光景點，除了專案所需之營運人才，亦帶動當地服務業的繁榮，活絡當地的經濟發展。

專案申請為黃金標準的額外性：

使用再生能源的發電專案通常需要在初期大筆資金溢注。本專案在環評送審之期間，亦需維持相當的現金以維持本案的運作。因此專案業主決定為此專案申請成為黃金標準專案。如果能夠成功註冊則可因減排溫室氣體而獲得黃金標準基金會的資金支援，這將會為本專案的順利實施提供必要的財務保證。

Annex III Changbin Wind Farm Development-Environment Impact Summery

鹿威彰濱風力發電專案
環境影響評估介紹
Luwei Changbin Wind Farm Project
Environmental Impact Assessment Introduction

說明

彰濱風力發電案共計 103.5MW，分二階段完工，該風廠使用的風機是 Enercon E70，每具有 2.3MW 的產能，共 45 具風機。風力發電是目前全世界公認最具潛力並減少溫室氣體的排放的再生能源技術，利用天然的風力發電，以供當地用電之需。在全球能源吃緊的情勢下，台灣能利用地利優勢發展自給自足的能源供給以替代進口燃料與燃煤的使用。本“環境影響評估介紹文件”旨在通過通俗的語言將本專案實施後有可能產生的環境影響、專案業主計畫採取的環境保護措施介紹給當地的利益相關方，以便徵集當地公眾更多對項目實施後環境影響的關注以及建議。所有公眾提出的關注以及建議會被專案業主慎重考慮並準備相應的改正措施以便在專案實施之後嚴格履行。

專案內容

本專案採風力發電

環境標準

<<環境影響評估法>>

<<開發行為應實施環境影響評估細目及範圍認定標準>>

<<環境影響評估法>>

<<開發行為應實施環境影響評估細目及範圍認定標準>>

<<環境影響評估書件審查辦法>>

<<噪音管制標準>>

<<環境音量標準>>

專案主要環境保護目標

在專案場區內推行再生能源發電，減少廢氣、廢水、煙塵、酸雨和溫室效應。

此專案所帶來的污染和環境問題以及處理辦法

基地地質鑽探

依初步地質評估，計劃地區會有土壤液化問題，因此鹿全面採用樁基礎以克服土壤液化之問題。

廢棄物

施工期間各項工程作業所產生之廢棄物，主要係來自土木/建築工程開挖作業所產生之棄土石方、施工廢料與施工人員產生之一般廢棄物等。處置方式除回填於風力機組基地外，以現地(彰濱工業區內)挖填平衡處理為原則，且配合綠美化工程造景或運送至彰濱工業區內之造陸區作為填方。不會運出彰濱工業區外處理。

噪音

施工期間噪音源分為工作面施工機具作業時產生的噪音及運輸車輛之噪音影響。經影響評定說明，本案於施工期間之雜訊屬無影響或可忽略影響。

營運期間風力機組主要之噪音來源為機械轉動及風吹扇葉所產生。參照行政院環保署公告之道路交通及營建工程噪音評估模式規範中，所建議之噪音影響等級估流程，本案於營運期間之噪音增量在 0~5 dB(A)，屬於無影響或可忽略影響。

振動

施工期間振動之主要來源為施工機具振動及道路交通振動。本計畫施工機具之最大振動源為打樁機，依行政院境保護署公告之環境振動評估模式技術規範之附件五工廠及作業場所振動預測模式使用指南之估算得出在一般施工情況下，對於鄰近地區之居民不致於有任何影響。而營運期間時由設計機艙及葉片轉動之振將由塔筒吸收，故不會有共振條件及產生共振效應。而風力機運轉並不會產生任何振動，對附近環境無振動影響。

Non-technical Description of the Project in English

Project Development Document Introduction

Luwei Changbin Wind Farm Project
Project Development Document Introduction

Project Name: Luwei Changbin Wind Farm Project

Name in local language: 鹿威彰濱風力發電專案

Host country: Taiwan

Region/State/Province: Taiwan

City/Town/Community: Changhua

Coordinates: 24°05’55”N, 120°25’34”E

Scope: Number 1: Energy Industries – Renewable Sources

Gold Standard Eligible Category: A1 Renewable Energy (Electricity, Heat)

Methodologies: ACM0002 (version 07, 14 Dec 2007)

tCO2e/a: 250’935

Operation Starting date: 2007-11-01

First Crediting period: 7 years

Short Description:

The proposed project locates at Changhua County, Taiwan. Purpose of the project is to install wind power derived electricity production system. Wind power generated will be used for electricity production.

Luwei belongs to the Infravest GmbH group which has capability of international wind farm development in Germany, China and Taiwan. There will be 45 Enercon E70 wind turbines installed for the project, with a total 103.5MW. The electricity generation is estimated to be 345,000MWh annually. The estimated emission reductions amount is 256;935 tCO2e/yr.

In absence of the project activity, electricity will be produced from other sources such as fossil fuels that will cause the GHG emission.

Contribution to Sustainable Development of the Project

Besides its contribution to climate change mitigation, the Project contributes to sustainable development in Taiwan as follows:

Component • Indicators	**Score** (-2 to +2)	**Rational**
Local / Regional / Global Environment		
• Water quality and quantity	+1	Taiwan is subject to acid rains. By reducing the use of fossil fuel to produce electricity, the windfarm mitigates sulfur emission in the atmosphere and thus acid rain. This is the only possible effect of the windfarm on water resource, this indicator scores thus a "+1".
• Air quality (emissions other than GHG)	+2	As the proposed project replaces the fossil fuel electricity generation dominating the national grid, it reduces the emissions other than GHG such as NOx and SOx. Considering the high installed capacity of the national grid this has an improvement to the air quality and this sustainable indicator scores a "+2".
• Other pollutants (including, where relevant, toxicity, radioactivity, POPs, stratospheric ozone layer depleting gases)	0	Not significant
• Soil condition (quality and quantity)	0	There will be no considerable difference regarding the soil characteristics between the baseline scenario and project activity.
• Biodiversity (species and habi-	0	Taiwan is considered a sensitive place for

tat conservation)*		bird migration. The impact of the windfarm on bird populations is unknown until now, but it is expected to be negligible. This indicator scores thus a "0", but this parameter will be monitored.
Sub Total	**+3**	
Social Sustainability and Development		
• Employment (including job quality, fulfilment of labour standards)*	+2	The project will create jobs in Taiwan during both construction and operation phases.
• Livelihood of the poor (including poverty alleviation, distributional equity, and access to essential services)	0	Although the project is expected to lead to both economic and infrastructural development of the region this would be very difficult to monitor. Therefore this indicator scores a zero.
• Access to energy services	0	The number of connections of local households to the grid will not be influenced due to the project activity.
• Human and institutional capacity (including empowerment, education, involvement, gender)	0	No changes are expected regarding human and institutional capacity in the region.
Sub Total	**+2**	
Economic and Technological Development		
• Employment (numbers)*	+2	The project activity generates employment opportunities during the project's construction and operation period.
• Balance of payments (sustainability)	0	Net foreign currency savings will also be very difficult to proof and monitor, therefore this indicator scores a zero as well.
• Technological self reliance (including project replicability, hard currency liability, institutional capacity, technology transfer)	+1	The staff will be trained regarding technical issues. This sustainable indicator scores a "+1".
Sub Total	**+3**	
Total	**+8**	

Annex V Reply from Gold Standard, GS Supporter and Local NGO

Reply from Taiwan Environmental Information Center, local NGO

⚠附件可能包含會破壞電腦的病毒，因此可能無法正常顯示。

Chen I-Chun

寄件者: Hsin2 Hsu [hsin2@e-info.org.tw] **寄件日期:** 2008/6/9 [星期一] 下午 02:37

收件者: Chen I-Chun; wlcheng@thu.edu.tw; ysshen@mail.dyu.edu.tw; wim.chang@delta-foundation.org.tw

副本: info@cdmgoldstandard.com; JoshHarris@theclimategroup.org; lsalter@wwf.org.hk; SOUTHPOLECARBON_IMPLEMENTATION; Chuang Jules; Knill Angela; Beaurain Francois; Wang Leon

主旨: TEIA's reply about the Invitation of Email Consultation for Changbin and Taichung Wind Farm, Taiwan

附件: 南極碳問卷.jpg(1MB)

社團法人台灣環境資訊協會 Taiwan Environmental Info Association
108 台北市萬華區艋舺大道 120 巷 16 弄 7 號 No.7, Alley 16, Lane 120, Bangka Blvd., Wanhua District,
TEL:+886-2-23021122 FAX:+886-2-23020101 Taipei City 108, Taiwan
Email: service@e-info.org.tw http://www.e-info.org.tw

TEIA's Official Reply to Questionnaires of Two Wind Farms in Taiwan

First of all, we deeply appreciate your invitation for TEIA to comment on environmental impact of two wind farms in central Taiwan. Taiwan Environmental Information Association (TEIA) was well known as a platform for stakeholders including communities, grass-root NGOs, enterprises, and governments to communicate with each other via web-based daily environmental news and physical projects. For limited human resources and budgets, we must take all proposals, projects, and activities to follow specific two targets of TEIA- promoting public environmental information and environmental trust. This makes us prefer not to comment on individual developing projects without any sufficient baseline survey or database of the local natural and social environment. We have to say sorry for couldn't provide physical comments on these projects by limited time and human resources. However, we are still looking forward to seeing more positive interactions within you, environment, and us in the future. Wish the earth environment will be better for our involvement.

Chen, Juei-Ping
Secretary General
Taiwan Environmental Information Association (TEIA)
June 5, 2008

台灣環境資訊協會對風力發電廠評估問卷之回應

首先十分感激貴公司邀請台灣環境資訊協會針對中部地區兩座風力發電廠提出環境衝擊評估問卷。敝協會一直透過每日發行的電子報、網站以及實際專案工作作爲社區、草根非政府環境組織、企業、與政府單位之間的資訊溝通平台而聞名。但是因爲人力與經費有限，我們的專案與發展方向都必須遵循創會兩大宗旨-推動環境資訊公開與環境信託。所以，除非有充分基線調查或資料庫支持，我們傾向不針對特定開發個案的自然與社會環境狀態發表正式評論。所以很抱歉在這麼短的時間與人力資源限制下，我們此刻無法針對風力發電廠開發專案提出環境衝擊評估資訊。無論如何，我們未來仍很樂意與貴公司及環境一起創造正面的互動。希望地球環境會因爲你我的投入而變得更好。

陳瑞賓
社團法人台灣環境資訊協會秘書長
2008/6/5

Annex VI   Sample of Questionnaire

鹿威彰濱風力發電專案

環境/社會影響核對表

Luwei Changbin Wind Farm Project

Social/Environmental Impacts Checklist

填寫說明：

此表應被用於利益相關方研討會並由利益相關方填寫；

表格的第一欄指參照對象為：有或沒有此專案，當地情況的對比；

請就您認為存在的環境/社會影響填寫，或留空白表示您認為不存在相關的影響。

日期：97 年 6 月 6 日

年齡：　性別：男　職業：農

環境影響	專案存在是否對當地造成影響？若是，請簡單闡述	是否嚴重影響當地環境。是／否？為什麼？
1. 專案工程、營運或專案結束是否對自然資源和生態系統造成影響，比如土地、水、森林、動物棲息地、原材料供應；特別是不可再生資源和稀少資源？	影响有限，且应可管制。	
2. 專案是否使用、存放、運輸、排放或處理對環境有害物質（包括固體廢物）？	否.	
3. 專案是否向大氣排放污染物、有潛在危險或有毒物質？	否.	
4. 專案是否製造噪音、震動、光熱源污染或電磁輻射？	有噪音，但有限.	
5. 專案是否因向土地、地上／地下水、海／河排放廢物而導致污染？	否、	
6. 專案周圍是否有國際、國家或地區立法保護的生態保護區？是否受專案影響？	否.	
7. 專案附近是否有重要的或者脆弱的生態區域？比如濕地、河道或河流、海濱地區、山地、森林或林地。	否.	

是否受專案影響？		
8. 專案是否影響附近受保護、重要的或脆弱的動植物品種的活動？比如繁殖、築巢、覓食、休息、過冬或遷徙？	有限。	
9. 附近是否有內陸、沿海、地下或海水收到專案影響？	否。	
10. 專案位置是否收自然災害威脅而影響環境？比如地震、地陷、滑坡、侵蝕、洪水？或受極端天氣威脅而影響環境，比如氣溫異常反常、大霧、烈風？	否。	
社會經濟及衛生影響	**專案存在是否對當地造成影響？若是，請簡單闡述**	**是否嚴重影響當地環境。是／否？為什麼？**
11. 專案是否會使用、儲存、運輸、處理、生產或排放對人體有害的或可能引起健康風險的物質物料（包括固體廢物）？	否。	
12. 專案是否排放污染或其他可能影響人體健康的有毒物質到大氣？	否	
13. 專案是否製造可能影響人體健康的噪音、震動、光源、熱能或電磁輻射？	否	
14. 專案是否排放可能影響人體健康的污染到土地、地表水、地下水、海岸水或海水？	否	
15. 專案建設和運行期是否可能發生影響人體健康的意外事件？	否	
16. 專案會否帶來社會變化？比如，人口、傳	否	

統生活方式或就業？		
17. 專案附近是否存在不受國際或當地政策保護，而又比較重要的風景、具歷史人文價值的地點？這些地點會受到專案影響？	否	
18. 附近是否有公共交通道路或設施因為專案的建設運行而變得擁擠或不便？	否	
19. 專案是否處在一個容易被很多人看見的地方？	是.	
20. 專案附近是否有受到專案影響的住宅、花園、其他私人用地、工商業、娛樂、公眾開放地區、社區設施、農田、森林、旅遊點、礦區或採石場？	否，很有限.	
21. 專案附近是否有受到專案影響的人口高密地區或敏感的地區？比如醫院、學校、宗教場所、社區設施？	很可很.	
22. 專案附近是否有受到專案影響的重要地區、高質或稀有資源區？比如地下、地上水源、森林、農業、海產、旅遊和礦物區？	否	
23. 專案位置是否容易受到地震、沉降、泥石流、腐蝕、洪水或其他極端氣候的影響而成為社會經濟問題？比如氣溫反常、大霧、強風等。	否	

其他任何意見：