



10 August 2008

Report of the Stakeholder Consultation for Gold Standard Retroactive Accreditation of Zhangbei Mijiagou 49.5 MW Wind Farm Project (China)

1. Background

Zhangbei Mijiagou 49.5 MW Wind Farm Project was registered as a CDM project on 22nd March 2007. The participants of the CDM project are Zhangbei Guotou Wind Power Plant and Carbon Resource Management Ltd. (CRM). The project is being developed as a Gold Standard (GS) Project. As the project has already been put into operation, the retroactive registration procedure of the “Gold Standard Manual for CDM Developers” is being followed.

A Stakeholder Consultation for the Gold Standard retroactive accreditations of Zhangbei Mijiagou 49.5 MW Wind Farm Project and Zhangbei Dayangzhuang Wind Farm Project was organized according to requirements of the “Gold Standard Manual for CDM Developers” and the findings of the pre-feasibility assessments of the GS-TAC. Project proponents invited all the previous stakeholders. Concerns raised in the first CDM stakeholder consultation were raised and further comments were welcomed.

2. Details of the Meeting

2.1 Notices and Invitations

a) Meeting notices were posted in prominent positions at the following local locations on 18 July 2008:

- 1) On the entrance wall of Dahe Town government of Zhangbei County
- 2) On the entrance wall of Mantouying Town government of Zhangbei County
- 3) On the entrance wall of Dahe village committee
- 4) On the entrance wall of the community health care room of Dahe Town
- 5) On the entrance wall of the Central Preliminary School of Dahe Town
- 6) On the entrance wall of Mijiagou village committee
- 7) On the entrance wall of the community health care room of Mantouying Town

- 8) On the entrance wall of Mantouying Middle School
- 9) On the entrance wall of Dayangzhuang village committee
- 10) On the entrance wall of the Mijiagou Preliminary School

b) A notice was also posted on the website of CRM:

<http://www.carbonresource.com/meeting.htm#D>

c) Invitations were sent to various local governmental offices.

d) Written invitations were emailed to the following NGOs: WWF, Greenpeace, GEI and Mercy Corps.

2.2 Date and Venue

Date: 14:00-17:00, 7th Aug 2008

Venue: Meeting room of CECIC Wind Power (Zhangbei) Yunwei Co. Ltd

2.3 Participants

The following persons attended the meeting:

Name	Organisation	Function	
Wang Fuqing	Zhangbei Guotou Wind Power Plant	Project owner representatives	
Chen Dongjuan	Zhangbei Guotou Wind Power Plant		
Cui Yali	Zhangbei Guotou Wind Power Plant		
Liu Ling	CRM	CDM developer representatives	
Ding Lin'en	CRM		
Yu Wanming	Office of Wind Power, Zhangbei County government	Local policy makers	
Tang Yanjun	Development and Reform Commission, Zhangbei County		
Liu Zhenyu	Bureau of State Land and Resources, Zhangbei County		
Lei Runping	Bureau of Environmental Protection, Zhangbei County		
Huo Fengxing	Supervision station, Bureau of Environmental Protection, Zhangbei County		
Mu Juanbao	Dahe Town government of Zhangbei County		
Li Ping	Mantouying Town government of Zhangbei County		
Wang Qi	Association of Science and Technology of Zhangbei County		Local expert
Feng Jun	Village representative		Local people directly impacted by the project
Yuan Zhanying	Village representative		
Liu Cuilan	Village representative		
Mi Wanhua	Village representative		

Dong Fu	Village representative	
Qiao Shenghai	Village representative	
Yuan Zhanqing	Village representative	
Yuan Zhanlin	Village representative	
Li Pengyou	Village representative	
Feng Yumei	Village representative	
Mi Wanbao	Village representative	
Mi Wanhong	Village representative	
Mi Wanku	Village representative	
Li Mingshun	Village representative	
Yuan Zhangai	Village representative	
Wang Dongsheng	Village representative	
Cui Bing	Village representative	
Zhang Zhiqiang	Village representative	
Cao Zhijun	Village representative	
Wen Zhanbing	Village representative	
Li Suhua	Village representative	
Liu Xiuqing	Village representative	
Lu Shuqing	Village representative	
Wu Peiqiang	Village representative	
Zhao Youzhi	Village representative	
Wu He	Village representative	
Gao Jianying	Village representative	
Hu Zhiying	Village representative	
Li Gui	Village representative	
Chai Shumin	Village representative	
Li Yifeng	Village representative	

2.4 Language

Mandarin Chinese (local language).

2.5 Proposal of the Meeting

a) The agenda, questionnaires, details of the sustainable development indicators and other documents would be distributed before the meeting. Then, there would be an introduction of the meeting.

b) Representatives from Zhangbei Guotou Wind Power Plant would introduce their company and give details about the project and the development of the CDM. Also, information about the environmental and social impacts of the project would be provided, as well as details of the mitigation measures which had been carried out during the building and operation of the project.

c) Mr Liu from CRM would give further details about the CDM, Gold Standard, Opportunity for Chinese Enterprises, sustainable development indicators and the dissemination and collection channels of the stakeholder consultation.

d) Questions and Answers

e) Discussion

f) Completion of Questionnaires

2.6 Summary of the Meeting

a) Representatives from Zhangbei Guotou Wind Power Plant introduced the participants and meeting purpose, the operation condition of the project, impacts on the environment and residents. He explained that the project adopted effective environmental protection measures to reduce negative effects during the construction and operation period. Wind power is a clean energy source, which will help to reduce fossil fuel consumption and emissions of waste gases. Meanwhile, the project provides job opportunities and increases local tax revenues, which can bring in good social and environmental benefits. Finally, he declared that his company would cooperate with CRM for GS retroactive accreditation.

b) Mr Liu from CRM provided background information about the CDM, GS and the sustainable development indicators. He also explained that this was the stakeholder consultation for Gold standard retroactive accreditation. All the previous stakeholders had been invited and any previous concerns would be clarified.

c) Questions and Answers:

- Question 1 (Local resident) Will the project have a negative impact on the flight path of birds?
- Answer (Project owner) The wind farm is not on a migration route for birds, and there are a few birds here, so I believe it will have little impact on the local birds.
- Question 2 (Local official) What are the main points for GS?
- Answer (CRM) Gold Standard requires a number of additional steps compared to a conventional CDM project. These include matters relating to additionality and sustainable development and demonstrate that the project is environmentally, socially, economically and technologically sustainable.
- Question 3 (Local official) Vegetation would have been damaged because of excavation for fan base and assembly during the construction phase. How is the affected vegetation?
- Answer (Project owner) We have moved away all the temporary equipment after the completion of construction and have taken measures to recover it as requested by the local government and described in the EIA. For example, after completion, we sowed vegetation seeds. The damaged vegetation is growing well now. In fact, in some areas it looks better than before. Can a local resident vouch for this?
- (Local resident) I live near by the area under discussion and often pass the wind farm. I can vouch that the vegetation is indeed recovered. We are satisfied with the project developer's work. With blue sky, white clouds and green environment, the wind farm looks so beautiful.
- Question 4 (Local expert) What benefits have been brought to our local people?
- Answer (Local official) Wind power is an important industry for Zhangbei County. It has not only promoted the development of local tourism and transportation, but also created employment and increased local taxes and financial revenues for the local government.
- (Local resident) Several people from our village were employed in the

wind farm during construction phase. We got additional income, and feel very happy about this.

Question 5 (Local resident) Does the project have a negative impact on human health during the construction and operation period?

Answer (Project owner) No. The wind farm was chosen in a remote area away from local residents and herders and with their full consideration. There is some noise produced by the wind turbines, however, it weakens quickly, so there is no negative impact on the local residents.

Question 6 (Local official) Are you satisfied with the project owners' work?

Answer (Local resident) Very much. The project owners took our common people into consideration. They paid great attention to environmental protection and improved our local infrastructure. For example, some new roads were built. Also, they introduced the project to us in the initial phase and consulted our views for the project before construction. I filled in a questionnaire at that time. The project development has really benefited the local economy and our living standard. We are satisfied with their work.

Question 7 (Local resident) Does the project cause electromagnetic radiation?

Answer (Project owner) This was taken into account at the time of selecting the location of this wind farm. The project site is far from the residential areas and electromagnetic radiation weakens quickly, so there is no negative impact on the local residents.

Question 8 (Local resident) Will the wind farm have a negative impact on local wild animals?

Answer (Project owner) There are no national or protected wild animals here. Only small animals and birds live here and they move to a similar living environment nearby if they are disturbed. It is very easy for animals to find a similar living environment because the site is surrounded by empty land.

d) Discussion

(Government representative) The Zhangbei wind farm projects will produce green energy, reduce emissions and significantly decrease the negative impacts otherwise caused by fossil-fuel power plants, as outlined in the Environmental Impact Assessment. It will not only increase the power supply, accelerate the wind farm industry and reduce emissions of other waste gases, but also provide job opportunities and increase local tax revenues and financial income, which will all bring good social and environmental benefits. The project owner fully listened to stakeholders' views, and carried out construction, operation and maintenance in a safe, efficient and clean manner. The government supports the development of GS retroactive registration and is willing to provide the necessary assistance for GS accreditation.

e) Completion of Questionnaires

All stakeholder questionnaires were completed and collected. In total 35 questionnaires were collected.

A CRM representative asked all the participants whether there were any further questions or issues about the meeting content, or if any questions in the questionnaire needed clarification. He explained that the notes of this meeting would be made available and that related documents could be obtained from the project owner. Finally, all participants were thanked for their presence and opinions.

3. Findings of the Questionnaire

3.1 Participants

		Number	Percentage
Sex	Male	31	88.6%
	Female	4	11.4%
Age	20-29	2	5.7%
	30-39	5	14.3%
	Above 40	28	80%
Education	Under junior high school	18	51.4%

	Senior high school	8	22.9%
	University	9	25.7%

3.2 Summary of the Findings

- a) 45.7% participants knew about the project
54.3% participants felt they knew a lot about this project
- b) Before the meeting, 97.1% participants knew about the CDM, 2.9% participants did not know about the CDM.
- c) 100% participants did not believe the project had brought negative effects on the local environment. 100% did not believe the project would bring any significant negative impacts on the local environment.
- d) 100% participants thought the project owner had carried out construction, operation and maintenance in a safe, efficient and clean manner.
- e) 100% participants thought project owner had fully listened to their views during construction and operation phases.
- f) 100% of the participants believed the project would benefit the local economy:
- 85.7% thought it would bring more work opportunities
 - 74.3% thought it would reduce the local electricity shortage.
 - 68.6% thought it would reduce environment pollution.
 - 65.7% thought it would benefit the development of local tourism
 - 80% thought it would reduce poverty, increase tax income and improve the economy.
- g) Among those who thought the project would change the local living standard:
- 68.6% thought it would increase income
 - 71.4% thought it would guarantee a better electricity supply
 - 45.7% thought it would improve the traffic situation
 - 48.6% thought it would improve the air quality
 - 57.1% thought it would increase work opportunities
 - 57.1% thought it would improve the quality of life.

h) 100% participants thought the project had brought positive changes.

i) 100% participants agreed to the construction of the project.

4. Further Feedback

Based on the discussions during the meeting, the project owner has given further feedback:

The wind farm is not on a migration route for birds, and there are a few birds in the area, so I believe it has brought little impact on the local birds.

The project site is far from the residential areas. The project radiant intensity is so weak that there is no negative impact on the local residents.

No protected wild animals live in the area surrounding the wind farm. There are only small animals and some birds. These kind of animals move to a similar living environment upon being disturbed and it is very easy for them to find similar conditions.

All the participants at the meeting gave a positive assessment on the environment, as well as the social and sustainable impacts of the project. Also, the participants thought the project owner had fully listened to their views, and carried out construction, operation and maintenance in a safe, efficient and clean manner. Finally, he reiterated that the participants of the stakeholder meeting had supported the project construction unanimously and there had been no serious dissenting opinions.

For any further questions, opinions and suggestions, please contact:

Chen Dongjuan, Tel: 010-8833 7332, Email: Dongjuan.chen@gmail.com

Liu Ling, Ding Lin'en Tel: 010-8453 9588, Email: dl@carbonresource.com