Gold Standard Stakeholder Consultation Report

CONTENTS

SECTION A. Invitations

A.1. Invitation tracking table

[See Toolkit 2.6 and Toolkit Annex J]

Category Code	Organisation (if relevant)	Name of invitee	Way of invitation	Date of invitation	Confirmation received? Y/N
B	Local EPA of Jiexiu	Runsheng Gao	Phone call	09.3.5	Y
B	Local village committee of Jiexiu	Jinbao Zhao	Phone call	09.3.5	Y
A	Villager	Wensheng Ren	Phone call	09.3.5	Y
A	Villager	Jianbo Ji	Phone call	09.3.5	Y
A	Villager	Yunfu Ren	Phone call	09.3.5	Y
A	Villager	Lianglin Mi	Phone call	09.3.5	Y
A	Antai employee	Bing Li	Phone call	09.3.5	Y
A	Villager	Xiaoli Ren	House visit	09.3.5	Y
A	Antai employee	Zhiwei Hu	Phone call	09.3.5	Y
A	Villager	Xiaoqin Wen	House visit	09.3.5	Y
A	Antai employee	Kaishi Ji	Phone call	09.3.5	Y
A	Antai employee	Xiaomin Wen	Phone call	09.3.5	Y
A	Villager	Xiaoyong Niu	House visit	09.3.5	Y
E	Gold Standard expert	Denise	Email	09.3.5	N
F	International NGO	GEI	Email	09.3.5	N
F	International NGO	WWF	Email	09.3.5	N
F	International NGO	Greenpeace	Email	09.3.5	N
F	International NGO	Btopenworld	Email	09.3.5	N
F	International NGO	Mercycorps	Email	09.3.5	N

Confirmations received are showed in:
Annex 1-2: Invitations and replies; and
Annex 2-1: Participants list.

A. 2. Invitation text

All documents referred to in the invitation are provided in Annex 1, including:
1-1 Information about invitation means
1-2 Copies of invitations and replies
1-3 Documents sent to Local Stakeholders

Dear Secretariat of Gold Standard,
Dear GS Local Supporters and GS Experts in China,
Dear Sir/Madam whoever concerns,

Shanxi Antai Group Co., Ltd. and South Pole Carbon Asset Management Ltd. are planning to conduct a second-round stakeholders consultation meeting for " Antai Group Waste Gas Recovery for Power Generation Project". The proposed project is going to apply for Gold Standard VER.

Enclosed you will see some introduction documents in local language (Simplified Chinese) and English. They are:

01. Invitation letter (in Chinese & English)
02. Revised Sustainable Development Matrix according to GS pre-assessment outcome (in English)
03. Project non-technical description (in Chinese)

With this invitation letter, the project participants would like to invite you to participate/witness this second-round stakeholder consultation meeting.

The meeting is going to be held on 25th March 2009 (Wednesday) from 8:30 am to 12:30 pm.

The venue:
Third floor Meeting Room of Antai group office building located in Yi'an Township, Jiexiu Municipality, Shanxi Province

The contact person,

Shanxi Antai Group Co., Ltd.
Ms. Xiao Xueqin
Mobile：+86 137 5344 5520

South Pole Carbon Asset Management Ltd.
Mr. Harry yong

Phone：+8610 8454 9953

Best Regards

South Pole Carbon Asset Management Ltd.

SECTION B. Meeting

B. 1. Agenda of the meeting

A. Onsite visit and introduction of the project
B. Opening of the meeting
C. Explanation of the project
D. Questions for the project explanation
E. Blind sustainable development exercise
F. Discussion on monitoring sustainable development
G. Closure of the meeting

B. 2. Non-technical summary

The original non-technical summary (in Chinese) is attached in Annex 1-3 (Document 1):

Non-Technical Project Description

Antai Group Co., Ltd. is a large manufacturer of iron, steel, and steel products headquartered in Shanxi Province of China. The Project Activity is a waste coal gas recovery and utilization for power generation project developed by Antai Group Co., Ltd. The objective of the project is to fully recover and utilize the waste coal gas for electricity and steam cogeneration and to reduce fossil fuel-based energy consumption and decrease air pollution. The waste gas comes primarily from the facility's blast furnaces, with some additional surplus gas from steel converters and coke ovens.

The project includes installation of 2×25MW extracted-condensing steam turbine units, 4 × 75t/h medium-temperature and medium-pressure gas-fired boilers and relevant auxiliary equipments. The project's total installed capacity will be 50MW. The annual power generation is expected to be 300 GWh and net power supply is 264GWh and the annual steam generation is estimated as 536.25TJ. The electricity and the steam generated by the proposed project would be totally consumed in the production process of Antai Group Company.

In the absence of the project, a large amount of combustible waste gas generated by Antai iron & steel and machine coke production is flared and released to the atmosphere. In the same time, all electricity demand by AGC is imported from the North China Power Grid (NCPG). Therefore, the power generated by the project activity would displace electricity imported from the North China Power Grid, which is dominated by fossil fuel-fired power plants, and reduce an estimated 312,828 tons of CO_2e per year.

Besides the GHG emission reductions, the Project would contribute to local and national sustainable development through:

- Reduction of air pollutants of coal fired power plants such as SO_2 and TSP;
- Reduction of fossil fuel-based energy consumption, thus improving energy efficiency;
- Reduction of water consumption by using air cooling generator units, conforming to national energy saving policies;
- Mitigation of power demand load of local grid;
- Creation of about 154 employment opportunities for the local community;
- Promotion of implementation of similar activities in the region.

B. 3. Participants

i. List of participants

Stakeholder consultation's participants list			
Date and time: 25th March 2009 (Wednesday) from 8:30 am to 12:30 pm.			
Location: Meeting room of Antai group office building located in Yi'an Township, Jiexiu Municipality, Shanxi Province			
Name participant, job/position in the community	Male/Female	Organisation (if relevant)	Contact details
Runsheng Gao	Male	Local EPA of Jiexiu	13903440690
Jinbao Zhao	Male	Local village committee of Jiexiu	13994595476
Xiaoping Yang	Female	Antai employee	13096539638
Jinhua Huang	Female	Antai employee	13835488570
Xueqin Xiao	Female	Antai employee	13753445520
Wensheng Ren	Male	Villager	13835485051
Jianbo Ji	Male	Villager	13610641585
Yunfu Ren	Male	Villager	13994560902
Qiong Liu	Female	Antai employee	7237118
Lianglin Mi	Female	Villager	13753437116
Xiaojing Wang	Female	Villager	13834186121
Xisheng Liu	Male	Villager	13903440783
Bing Li	Male	Antai employee	13935456810
Xiaoli Ren	Female	Villager	13453220150
Zhiwei Hu	Male	Antai employee	13233015740
Xiaoqin Wen	Female	Villager	15835050633
Kaishi Ji	Male	Antai employee	13835406438

Xiaomin Wen	Male	Antai employee	13453255335
Xiaoyong Niu	Male	Villager	13466884291
Limin Zhao	Female	Antai employee	13835457984
Deqiang Hou	Male	Antai employee	15835034326
Jiangui Wang	Male	Villager	13935456311
Ailian Kang	Female	Villager	13403545575
Xiaoli Sun	Female	Villager	15835034069

Thanks to the project activity, more than 154 work positions have been provided by the project owner. Except for some positions that required senior technical staff, most of the positions have been filled with local people.
The Antai employees listed above are all local stakeholders that have been employed in the project.

ii. Evaluation forms

Examples of filled evaluation forms are attached in Annex 2-2.

Summary of the evaluation forms

All 24 participants had a good impression of the meeting.

They were all positive about the project, because it will:

- Reduce the emission of GHGs and air pollutants such as SO_2 and TSP;
- Reduce fossil fuel-based energy consumption;
- Offset power shortages and increase power supply;
- Increase job positions and income;
- Increase livelihoods for the stakeholders employed in the Project;
- Provide capacity building and supply more training opportunities for the employees;
- Promote implementation of similar activities in the region;
- Provide a better social welfare system;
- Stimulate the local economy; and
- Promote clean energy use.

There were no negative opinions of the project.

B. 4. Pictures

B. 5. Outcome of consultation

i. Minutes of the meeting

A. Onsite visit and introduction to the project

Before the Stakeholder Consultation meeting, the participants were guided by Antai technical staff on the waste gas recovery site, and were introduced to the project and its technicalities.

B. Opening of the meeting

The consultation organizer, Mrs. Huang Jinghua, welcomed the participants and introduced groups of participants.

C. Explanation of the project

Mrs Huang, the general engineer of Antai, introduced the waste gas recovery for power generation project, its technology and explained the GS VER application for the project. The non-technical summary was utilized as a guideline for project activity.

D. Questions for clarification about the project explanation

Question 1 (Local resident): The project has been in operation for two years, how many jobs did it provide?

Answer 1: We have 154 employees for the operation of the project, including managers, technical employees and normal workers. All of them received technical training of advanced cogeneration technology and some managers were trained to new cogeneration management as well.

Question 2: The boiler's operation requires water consumption, which might thus strain our water resources. How do you address this problem? (Local resident)

Answer 2: This should not be of concern to local residents, since they will actually benefit from the water savings allowed by the project activity by comparison with a standard coal-fired plant: our generator units are equipped with direct air-cooling equipment, replacing a traditional water cooling system, and which allows to save 60~70% of the water compared with a normal power plant of the same capacity. It means that after the implementation of our project, the water resource pressure in this area will not increase, but on the contrary be relieved.

E. Blind sustainable development exercise

The general engineer of Antai, Mrs. Huang Jinghua, explained the three categories of sustainable development: environment, social development and technological & economic development, and their possible indicators. She also explained that the evaluation would be done by comparing the project activity with a standard coal-fired power plant, which is the baseline situation. She asked which indicators the stakeholders thought were relevant to the project and then listed the indicators mentioned. She asked the audience to score them 'positive' 'neutral' or 'negative', and allowed the stakeholders to freely discuss the indicators.

The outcomes are shown in Section C.2 "Outcome Blind sustainable development exercise" below. No indicators were negatively scored.

F. Discussion on monitoring sustainable development

It was explained to stakeholders that certain indicators needed to be monitored for sustainable development.
For instance:
"We take air quality as an example, if you scored the air quality positive '+', neutral '0', negative '-', do you have ideas about how this could be monitored with one or more parameters to check the score? The parameters can be any pollutants you consider relative to the air quality: dust, SOx, POPs, VOC and so on."
Then stakeholders were asked if they had ideas about how this could be done in a cost effective way. Some participants gave relevant suggestions for indicators, which are shown in the matrix in Section C.2.

G. Closure of the meeting

Participants were asked to fill out the evaluation forms for final feedback. The follow-up to the meeting and how Stakeholders would get feedback about the meeting outcomes were then explained. Finally, the organizer thanked the participants for their attention and closed the meeting.

ii. Assessment of comments

[See Toolkit 2.6]

Stakeholder Comment	Assessment	Response to comment
The project has been in operation for two years, how many jobs did it provide?	The question refers to the social contribution of the project. Many job opportunities are benefitting	154 employees were hired for the operation of the project, including managers, technical

	local residents.	employees and normal workers. All of them could receive technical training of advanced cogeneration technology and some managers were trained to new cogeneration management as well.
The boiler's operation requires water consumption, which might thus strain our water resources. How do you address this problem?	The question relates to the living environment nearby and around the project site, as well as to natural resources management.	This should not be of concern to local residents, since they will actually benefit from the water savings allowed by the project activity: our generator units are equipped with direct air-cooling equipment, replacing a traditional water cooling system, and which allows to save 60~70% of the water compared with a power plant of the same capacity. It means that after the implementation of the project, the water resource pressure will not increase.

iii. Revisit sustainability assessment

	Yes	No
Are you going to revisit the sustainable development assessment?		√

Give reasoning behind decision the decision

The overall feedback to the project was positive; therefore it is not deemed necessary to revisit the sustainable assessment.

iv. Summary of alterations based on comments

The comments given did not require any alteration to be made to the project, as the overall feedback was only positive.

SECTION C. Sustainable Development Matrix

C.1. Own sustainable development matrix

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
Gold Standard indicators of sustainable development.	*If relevant copy mitigation measure from "do no harm" – table, or include mitigation measure used to neutralise a score of '–'*	*Check www.undp.or/mdg and www.mdgmonitor.org* *Describe how your indicator is related to local MDG goals*	*Defined by project developer*	*Negative impact: score '–' in case negative impact is not fully mitigated score 0 in case impact is planned to be fully mitigated No change in impact: score 0 Positive impact: score '+'*
Air quality			Parameter: Dust, SO2 and NOx emission. Waste gas used in the project is cleaned (by removing the dust and sulphur) before combustion and exhausted flue gas will be cleaned again and then released through a 100m high chimney. Without project activity, the waste gas is only cleaned once and then flared and emitted to the atmosphere. Therefore, with project activity, quantities of dust, SO2 and NOx contained in the flue gas will be lesser than in the situation without project activity. This will definitely improve the local air quality, we thus score this indicator positively.	+
Water quality and quantity *Water quantity*			Parameter: Water consumption (in m3). Compared with the same capacity of power plant, the generator units of the project activity incorporate direct air cooling equipment, which could save water by 60~70%. In	0

			addition, all the discharge water is collected and treated together in the recovery pool of the plant, living sewage is first treated in the cesspool and then be drained into the waste water system of the company, finally be recycled. Therefore, because there is no significant impact on the water quantity and quality, we score this indicator neutral.	
Soil condition		In Shanxi province, most of the power and heat are generated by burning coal, which would generate big amount of slag. The usage of waste gas to cogenerate power and heat could totally avoid the generation of slag. The project could promote environment in local area.	Parameter: Coal consumption in plants with the same power capacity In absence of the project, Antai uses the electricity from the power grid. In North China Power Grid, most of the electricity is generated by coal; in this process waste solid is generated. But a waste gas recovery based power station would not have any significant solid waste. This indicator has a positive impact but due to the capacity of project activity is not a very big size, we score it neutral as the impact is only very minor	0
Other pollutants			Parameter: Noise levels There is no significant difference compared with baseline scenario for other pollutants.	0
Biodiversity			Parameter: Number of affected plants and animals As compared to the baseline, no significant change in biodiversity is expected since the project only takes place within the plant boundary.	0
Quality of employment		China's MDGs recognize that quality of employment in science technology and use of advanced technology to increase productivity efficiency should be improved, as well as work conditions for the employees.	Parameter: HR data and relevant certificates. Compared with the baseline scenario, the labour conditions such as job-related health and safety will be well changed. Project managers and operators in the plant will work in a more comfortable procedure room, considering health and safety, and the project will also provide long-term jobs. Hence, there is a advance compared with the baseline. This indicator has a positive impact, we score it neutral as the impact is only	0

			very minor	
Livelihood of the poor			Parameter: Access to better health care services As compared with the baseline, no significant change is expected.	0
Access to affordable and clean energy services		Energy generation in Shanxi province is extremely depending on fossil fuel, and the proportion of clean energy, such as hydro power plants, is very limited (the proportion of clean energy is 0%, 0.81%, 0.75%, and 0.51% for 2003, 2004, 2005, and 2006, respectively). The project is therefore reducing dependency on coal-generated electricity. This project can encourage local enterprises to adopt clean energy, which is in line with the MDGs of China.	Parameter: Waste gas used for power generation or electricity supply by waste gas recovery. Compared with the baseline, electricity supplied by this project is clean. The project activity also contributes to alleviating the shortage of electricity supply.	+
Human and institutional capacity		MDG in China targets to increase the education percentage and improve education for more women. This project is in compliance with these targets.	Parameter: Positions for women. There is less dependence on heavy male labour force, the project provides more positions for women compared with baseline which is a normal power plant. Although this indicator has a positive impact, we score it neutral as the impact is only very minor.	0
Quantitative employment and income generation		Supply enough work positions can relieve the gap between the poor and wealthy. The project activity generates employment opportunities during both the project's construction and operation period. This will contribute to sustainable development in local area.	Parameter: Household income generated by the project The project has created about 154 employment opportunities for the local community, therefore increasing households' incomes. Compared with the baseline scenario, the impact is significant.	+
Balance of payments and			Parameter: Balance of payments	0

investment			Compared with the baseline scenario, there is no significant difference in terms of balance of payments and investment.	
Technology transfer and technological self-reliance			Parameter: Number of workshops organized Implementation of the project does not involve technology transfer, and no workshops will be organised, so we score it neutral.	0

Comments accompanying own sustainable development matrix

This exercise was performed by comparison with the baseline scenario identified in the methodology ACM0012, that is to say a situation whereby steam from a coal-fired boiler and power required by iron and steel production would be imported from fossil fuel-based grid instead.

C.2. Outcome Blind sustainable development exercise

Indicator	**Mitigation measure**	**Chosen parameter and explanation**	**Score given by stakeholders**
Gold Standard indicators of sustainable development.	*If relevant copy mitigation measure from "do no harm" –table, or include mitigation measure used to neutralise a score of '–'*	*Defined by project developer*	*Negative impact: score '-' in case negative impact is not fully mitigated score 0 in case impact is planned to be fully mitigated No change in impact: score 0 Positive impact: score '+'*
Air quality		Parameter: Dust, SO2 and NOx emission The participants thought all the tail gas would be released to the atmosphere through a high stack; without the project activity, the waste gas will be flared and then emitted directly, therefore there is no significant difference between project activity and previous, they scored it neutral	0
Water quality and quantity	To compensate for potential strain on water resources and as a response to Question 2 in the Stakeholder Consultation, the project owner has massively invested	Parameter: Water consumption (in m3). Compared with the same capacity of power plant, the generator units of the project activity incorporate direct air cooling equipment, which could save water by 60~70%. Therefore, there is a substantial	+

	in water-saving devices in the project activity.	contribution to local fresh water resources.	
Soil condition		Parameter: Coal consumption in plants with the same power capacity. In absence of the project, Antai uses the electricity from the power grid. In North China Power Grid, most of the electricity is generated by coal; in this process waste solid is generated. This project would not have any significant solid waste, reducing the waste solid.	+
Other pollutants		Parameter: Noise levels There is no significant difference compared with baseline scenario for other pollutants.	0
Biodiversity		Parameter: Number of affected plants and animals Participants recognized that there would be no change to the biodiversity within the plant boundary.	0
Quality of employment		Parameter: HR data and relevant certificates. By comparison with a coal-fired project, participants discussed among themselves and thought the project jobs would have relatively higher requirements for the waste heat recovery power generation. Technical experience and certificates would be needed for the work. In some sense, the quality of employment is improved, but the impact was not considered substantial and thus the indicator was scored with '0'.	0
Livelihood of the poor		Parameter: Access to better health care services The participants considered that no significant changes would be expected.	0
Access to affordable and clean energy services		Parameter: Waste gas used for power generation or Electricity supply by waste gas recovery. Electricity power supplied by this project is usage of affordable and clean energy, not of traditional fossil fuel.	+
Human and institutional capacity		Parameters: Employees' academic or technical title and positions for women There is less dependence on heavy male labour force, the	+

		project provide more positions for women compared with baseline.	
Quantitative employment and income generation		Parameter: HR data (number of jobs, income of the employees). Participants considered that the project activity absolutely increases the quantitative employment and income generation since it supplies new job opportunities.	+
Balance of payments and investment		Parameter: Balance of payments In the participants' opinion, there is no significant difference in terms of balance of payments and investment.	0
Technology transfer and technological self-reliance		Parameter: Number of workshops organized According to the introduction of the project, participants thought there would be no influence on technology transfer or self-reliance.	0

Comments resulting from the blind sustainable development exercise.

The blind sustainable matrix exercise was carried out mainly with reference to the baseline as defined by the methodology ACM0012, that is to say a situation that steam from a coal-fired boiler and power required by iron and steel production would be imported from fossil fuel based grid instead.

Give analysis of difference between own sustainable development table and the one resulting from the blind exercise with stakeholders. Explain way of consolidation.

The blind exercise was completed by the stakeholders. During the meeting, the outcome of the participants' discussion was summarized together and the upper table was filled in during the discussion.
Our own sustainable development table was filled before the meeting together with the "do no harm" assessment, the MDG relevance evaluation, and the indicators assessment.

Method of consolidation:
If the two tables are scored the same indicator "+" or "-" or "0", then the consolidated is still "+" ,"-", "0";
If one is "+" and the other is "0", the consolidated is scored either "0" or "+", following our in-depth analysis and comparison with the general context within which the project takes place.
If one is "-" and the other is "0", the consolidated is "-".
In this project, there were no "-", so the consolidated results are "0" or "+".

C.3. Consolidated sustainable development matrix

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Final score
Gold Standard indicators of sustainable development.	If relevant copy mitigation measure from "do no harm" –table, or include mitigation measure used to neutralise a score of '–'	Check www.undp.or/mdg and www.mdgmonitor.org Describe how your indicator is related to local MDG goals	Defined by project developer	Negative impact: score '–' in case negative impact is not fully mitigated score 0 in case impact is planned to be fully mitigated No change in impact: score 0 Positive impact: score '+'
Air quality			Parameter: Dust, SO2 and NOx emission. Waste gas used in the project is cleaned (by removing the dust and sulphur) before combustion and exhausted flue gas will be cleaned again and then released through a 100m high chimney. Without project activity, the waste gas is only cleaned once and then flared and emitted to the atmosphere. Therefore, with project activity, quantities of dust, SO2 and NOx contained in the flue gas will be lesser than in the situation without project activity. This will definitely improve the local air quality; we thus score this indicator positively.	+
Water quality and quantity			Parameter: Water consumption (in m3). Compared with the same capacity of power plant, the generator units of the project activity incorporate direct air cooling equipment, which could save water by 60~70%. In addition, all the discharge water is collected and treated together in the recovery pool of the plant, living sewage is first treated in the cesspool and then be drained into the waste water system of the company, finally be recycled. Therefore, because there is no significant impact on the	0

			water quantity and quality, we score this indicator neutral.	
Soil condition		In Shanxi province, most of the power and heat are generated by burning coal, it would generate big amount of slag. The usage of waste gas to cogenerate power and heat could totally avoid the generation of slag. The project could promote environment in local area.	Parameter: Coal consumption in plants with the same power capacity In absence of the project, Antai uses the electricity from the power grid. In North China Power Grid, most of the electricity is generated by coal; in this process waste solid is generated. But a waste gas recovery based power station would not have any significant solid waste. This indicator has a positive impact but due to the capacity of project activity is not a very big size, we score it neutral as the impact is only minor.	0
Other pollutants			Parameter: Noise levels There is no significant difference compared with baseline scenario for other pollutants.	0
Biodiversity			Parameter: Number of affected plants and animals As compared to the baseline, no significant change in biodiversity is expected since the project only takes place within the plant boundary.	0
Quality of employment		China's MDGs recognize that quality of employment in science technology and use of advanced technology to increase productivity efficiency should be improved, as well as work conditions for the employees.	Parameter: HR data and relevant certificates. Compared with the baseline scenario, the labour conditions such as job-related health and safety will be well changed. Project managers and operators in the plant will work in a more comfortable procedure room, considering health and safety, and the project will also provide long-term jobs.Although the quality of employment has improved, the impact was not considered substantial and thus the indicator was scored with '0'	0
Livelihood of the poor			Parameter: Access to better health care services As compared with the baseline, no significant change is expected.	0
Access to affordable		Energy generation in Shanxi province is extremely depending	Parameters: Traditional fuel for energy generation and	+

and clean energy services		on fossil fuel, there is only a small percentage of clean energy, such as hydro power plants, is very limited (the proportion of clean energy is 0%, 0.81%, 0.75%, and 0.51% for 2003, 2004, 2005, and 2006, respectively). This project can encourage local enterprises to adopt clean energy which is in line with the MDGs of China.	Waste gas used for power generation or electricity supply by waste gas recovery The project activity alleviates the shortage of electricity supply. Compared with the baseline, electricity supplied by this project is usage of affordable and clean energy, not of traditional fossil fuel.	
Human and institutional capacity		MDG in China targets to increase the education percentage and improve education for more women. This project are in compliance with above targets.	Parameters: Employees' academic or technical title and positions for women There is less dependence on heavy male labour force, the project provides more positions for women compared with baseline which is a normal power plant. This indicator has a positive impact, we score it neutral as the impact is only very minor	0
Quantitative employment and income generation		Supply enough work positions can relieve the gap between the poor and wealthy. The project activity generates employment opportunities during both the project's construction and operation period. This will contribute to sustainable development in local area.	Parameter: HR data (number of jobs, income of the employees) The project has created about 154 employment opportunities for the local community, which all received incomes from the project. Compared with the baseline, this indicator has a significant impact and is thus scored positively.	+
Balance of payments and investment			Parameter: Balance of payments Compared with baseline scenario, there is no significant difference in terms of balance of payments and investment.	0
Technology transfer and technological self-reliance			Parameter: Number of workshops organized Implementation of the project does not involve technology transfer. So we score the indicator neutral.	0

Justification choices, data source and provision of references

Air quality	EIA page 138 and 142 approved by local government; FSR page 41 approved by local government.
Water quality and quantity	EIA page 139 approved by local government; FSR page 41~42 approved by local government; http://www.mwr.gov.cn/xwpd/slyw/20040412000000032624.aspx http://www.xinhuanet.com/chinanews/2005-12/14/content_5817839.htm

	http://www.jschina.com.cn/gb/jschina/chsj/zt/node37077/node37078/node37083/userobject1ai2055581.html
Soil condition	EIA page 139 and 141 approved by local government.
Other pollutants	EIA page 141 approved by local government; FSR page 42 approved by local government.
Biodiversity	EIA page 232 approved by local government.
Quality of employment	FSR 32-34 approved by local government.
Livelihood of the poor	The project will generate additional income to people involved. But compared to the local population, it is a small amount. So there is no significant change expected.
Access to affordable and clean energy services	China power website News: http://www.chinapower.com.cn/newsarticle/1013/new1013182.asp
Human and institutional capacity	Training plan from project owner.
Quantitative employment and income generation	FSR page 46~47 and 51 approved by local government.
Balance of payments and investment	Equipments purchase agreement.
Technology transfer and technological self-reliance	Equipments purchase agreement;

SECTION D. Preparation of Stakeholder Feedback Round

[See toolkit 2.11]

N/A

Annex 1: Invitation documents

1-1 Invitation means (posters/websites)

Figure 1 Invitation Poster near the residents committee

Figure 2 Invitation Poster on the main street of the village

Figure 3 Invitation Poster on the gate of Antai Group Co.

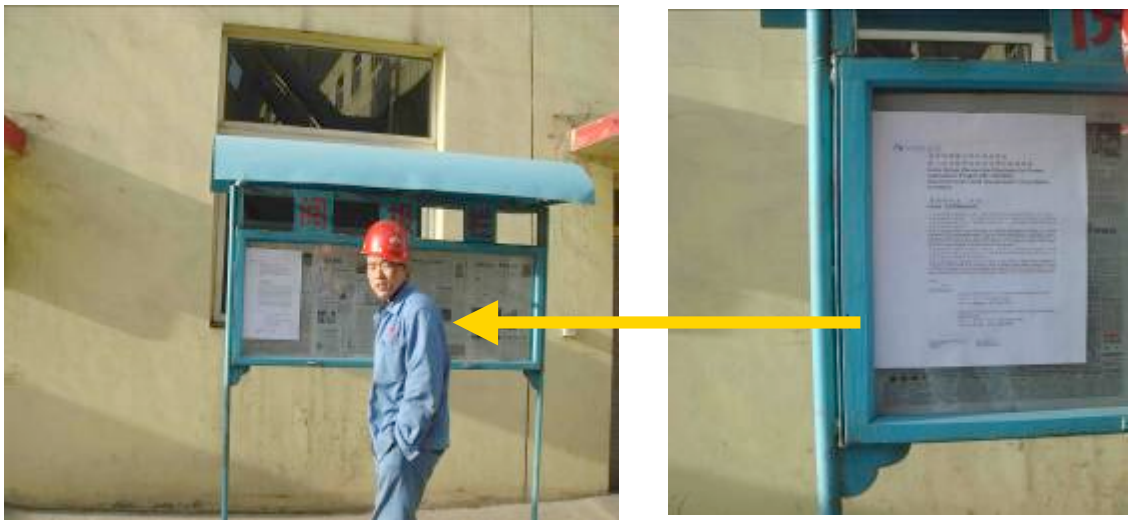


Figure 4 Invitation on website
http://www.southpolecarbon.com/goldstandard_consultations.htm

From: "Yong Harry" <h.yong@southpolecarbon.com>
Subject: **Invitation for Gold Standard second-round Stakeholder Consultation of " Antai Group Waste Gas Recovery for Power Generation Project GS605, China"**
Date: March 5, 2009 10:51:23 AM GMT+08:00
To: <info@cdmgoldstandard.org>, <info@reeep.org>, <dmcIntosh@uk.mercycorps.org>, <donorservices@mercycorps.org>, "Shiping Chen" <spchen@geichina.org>, <denise@cdmgoldstandard.org>, <gei@geichina.org>, <liam@wwfthai.org>, <wfchina@wwfchina.org>, <wwf@wwf.org.hk>, <greenpeace.china@hk.greenpeace.org>, <mark.kenber@btopenworld.com>, "Zhou, Hang" <hzhou@tuv-nord.com>
Cc: "SOUTHPOLECARBON_IMPLEMENTATION" <implementation@southpolecarbon.com>, "Hirsbrunner Marco" <m.hirsbrunner@southpolecarbon.com>, "Knill Angela" <a.knill@southpolecarbon.com>, "Chiquet Caspar" <c.chiquet@southpolecarbon.com>, "Wang Leon" <l.wang@southpolecarbon.com>, "Lin Yi" <y.lin@southpolecarbon.com>, "Duan Jane" <j.duan@southpolecarbon.com>, "Sha Yujuan" <Y.sha@southpolecarbon.com>
▶ 6 Attachments, 924 KB

Dear Secretariat of Gold Standard,

Dear GS Local Supporters and GS Experts in China,

Dear Sir/Madam whoever concerns,

Shanxi Antai Group Co., Ltd. and South Pole Carbon Asset Management Ltd. are planning to conduct a second-round stakeholders consultation meeting for " Antai Group Waste Gas Recovery for Power Generation Project" . The proposed project is going to apply for Gold Standard VER.

Enclosed you will see some introduction documents in local language (Simplified Chinese) and English. They are:

01. Invitation letter (in Chinese & English)

02. Revised Sustainable Development Matrix according to GS pre-assessment outcome (in English)

03. Project non-technical description (in Chinese)

With this invitation letter, the project participants would like to invite you to participate/witness this second-round stakeholder consultation meeting.

The meeting is going to be held on 25th March 2009 (Wednesday) from 8:30 am to 12:30 pm.

The venue:

Third floor Meeting Room of Antai group office building located in Yi'an Township, Jiexiu Municipality, Shandong Province

The contact person,

Shanxi Antai Group Co., Ltd.
Ms. Xiao Xueqin
Mobile：+86 137 5344 5520

South Pole Carbon Asset Management Ltd.
Mr. Harry yong
Phone：+8610 8454 9953

From: <greenpeace.china@hk.greenpeace.org>
Subject: **Auto-reply message from Greenpeace China 綠色和平自動回覆訊息**
Date: March 5, 2009 11:05:35 AM GMT+08:00
To: "Yong Harry" <h.yong@southpolecarbon.com>

(中文版本在後)

Dear Sir/Madam,

Thank you for your email. This auto-reply message is to acknowledge the receipt of your email and it will be processed as soon as possible.

In all but a few exceptional cases, we work on a global scale and does not address individual pollution cases one by one. Due to limited resources, we have to focus our manpower and resources on issues that pose major threats to ecosystems and species like climate and energy, food safety, toxic chemicals and forests. As a result, we might not be able to respond to all public requests and opinions shortly. Thank you for your patience and understanding.

For more, please visit our website What We Do (http://www.greenpeace.org/china/en/campaigns) and FAQs (http://www.greenpeace.org/china/en/faqs) for further information.

Best Regards,
Greenpeace China
~~~~~~
Greenpeace exists because this fragile earth deserves a voice.
It needs solutions. It needs change. It needs action.
Website: www.greenpeace.org.cn.
Join us and take action: http://www.greenpeace.org/china/en/SupportUs

敬啟者：

我們已經收到你的電子郵件，謝謝，我們會盡快處理。

由於資源所限，在一般情況下，綠色和平只可集中處理全球性環境問題，而不會處理個別地區上的污染個案。現時，我們把人力和資源集中在嚴重威脅全球環境生態的問題如氣候與能源、食品安全、有毒化學物污染防治和森林砍伐等。因此，我們或許未能在短時間內逐一回應市民的查詢和意見，謝謝你的耐心等候和諒解。

我們建議你參考本會網站的項目簡介
(http://www.greenpeace.org/china/ch/campaigns)和常見問題
(http://www.greenpeace.org/china/ch/faq)，以進一步了解本會工作。

綠色和平謹啟
～～～～～～～～～～～～～～～～～～～～～～～～～～～～～～～
綠色和平存在，因為脆弱的地球需要呼喊、需要行動、需要改變。
網址：www.greenpeace.org.cn
加入我們，一起行動：http://www.greenpeace.org/china/ch/SupportUs
~~~~~~

1-2 Documents sent to Local Stakeholders

Document 1 Non-technical Project Description (in Chinese)
安泰集团废气回收发电项目非技术性简介

ANTAI GROUP WASTE GAS RECOVERY FOR POWER GENERATION PROJECT NON-TECHNICAL DESCRIPTION

项目概况 Summary

下表综述了本项目的基本信息。

表1 项目概况

项目名称	安泰集团废气回收发电项目
项目业主	山西安泰集团股份有限公司
项目位置	山西省介休市义安镇
装机容量	2 ×25MW
预计年发电量	27300万千瓦时
预计供热量	1150TJ
开工日期	2004年6月
寿期	至2024年

业主简介 Introduction of the Project Owner

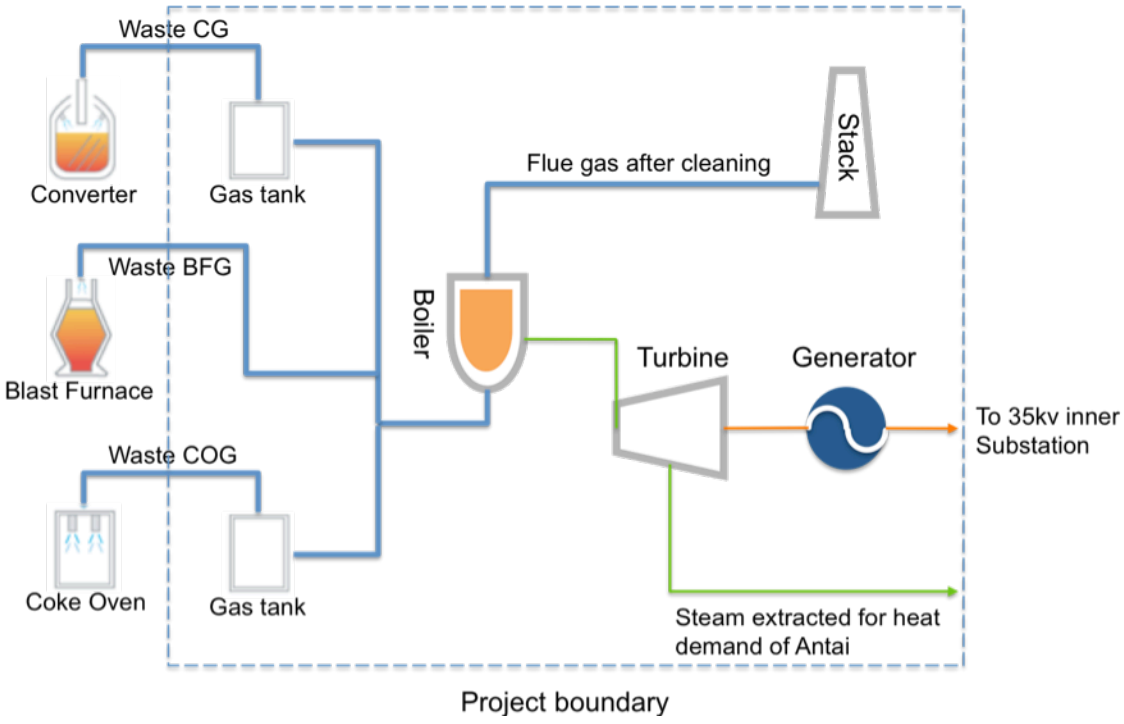
山西安泰集团是由山西安泰集团股份有限公司（上市公司）和介休义安实业有限公司（非上市公司）组成的一家全国最大的民营焦化企业集团。1983年创业以来，现已发展成一个以焦化为龙头，跨越钢铁、发电、化产、建材、地产物业、生物工程、纺织服装、国际贸易、旅游、酒店十大行业，30多个直属企业，总资产达数十亿元的国家级乡镇企业集团。

近几年来，公司通过调整、优化产业结构并引进多项高新技术，使洗煤厂、机焦厂、煤气发电厂、矸石发电厂、冶炼厂、水泥厂、石料厂、预制厂八大企业形成了环保链型产业结构，既大大降低了焦炭、生铁、水泥、电力四大主导产品的成本，又合理利用了工业“三废”。集团通过了ISO9002质量体系认证和ISO14001环境管理体系认证，2003年，集团所属的山西安泰集团股份有限公司在上海证券交易所挂牌上市，从而成为山西第一家股票上市的民营企业。

项目技术与规模 Technology Description

从2003年开始，安泰集团新上两大工程：一是200万吨钢铁工程，新建三座450m3高炉及配套的两条100m^2烧结机生产线，新建两座60吨顶底复合吹转炉、板坯连铸生产线及与之配套的2×10000m^3/h氧气站；二是年产200万吨机焦工程，改扩建2×60孔JN76型机焦炉，采用干熄焦工艺。两大工程项目建成后，将产生大量的高炉煤气

、转炉煤气和焦炉煤气，预计有高炉煤气180000Nm^3/h，转炉煤气16000Nm^3/h，焦炉煤气27427 Nm^3/h。在项目活动之前，这些煤气被火炬燃烧后自然排放，将极大地浪费能源，污染环境。



因此，本项目活动新建2×25MW抽凝式汽轮发电机组，配套4×75t/h煤气锅炉，利用项目活动前被火炬燃烧的煤气混合并清洁后，通过风机进入煤气锅炉进行燃烧，生产蒸汽，蒸汽进入汽轮机做功发电，一部分蒸汽从汽轮机中抽出作为生产用汽，满足集团内部需要；煤气在锅炉燃烧后，经过清洁处理，从烟囱排入大气。项目估计年发电小时数为6,000小时，项目预计年发电量为300,000MWh，减去电厂自用电，每年减少从华北电网购电电量为273,000MWh；同时年产蒸汽1150TJ，减少燃煤锅炉的燃煤量。

自然环境与社会影响　Environmental and Social Impacts

表2所述，本项目在如下方面对当地的自然环境以及社会面貌产生积极影响：

表2　自然与社会环境影响

环境保护	本工程利用高炉煤气、转炉煤气及焦炉煤气进行热电联产，不产生其它有害废弃物，反而可以有效的减少钢铁生产产生的废热和粉尘对环境的影响，起到很好的环境保护的作用
循环经济	废气回收发电项目能够最有效利用资源和保护环

	境、实现可持续发展，将经济活动组织成“资源-生产-二次资源”的循环过程，使资源和能源得到最合理和持久的利用，并使经济活动对环境和人的不良影响降低到尽可能小的程度
节能降耗	回收钢铁生产过程中的废气进行发电供热，不但可以进一步降低钢铁生产能耗，同时还可以进一步减轻介休市供电压力；同时企业利用新型的空冷装置进行发电，相比于同等规模的燃煤电厂节约用水70%，大大缓解了当地的用水困难。

附：清洁发展机制简介 Introduction to

清洁发展机制（Clean Development Mechanism -CDM）系京都议定书第12条确立的机制, 核心内涵是：发达国家通过提供资金和技术的方式，与发展中国家合作，在发展中国家实施具有温室气体减排效果的项目，项目所产生的温室气体减排量作为发达国家履行京都议定书所规定的一部分义务。通过与发达国家的合作途径，特别是国际碳交易，发展中国家可以获得有利于可持续发展的先进的环保技术以及资金，而发达国家也可以大幅度降低其在国内实现减排所需的高昂费用，实现发展中国家节能减排获得技术资金和发达国家在碳排放交易市场购买减排指标的双赢。

“黄金标准”（Gold Standard）是诸多减排标准的一种，是项目产生优质可信赖的减排额度的保证。

Document 2: Invitation letter (in Chinese)

安泰集团废气回收发电项目

第二次当地利益相关方研讨会邀请函

Antai Group Waste Gas Recovery for Power Generation Project (ID: GS 605)

SECOND-ROUND LOCAL STAKEHOLDER CONSULTATION INVITATION

亲爱的先生、女士：

DEAR SIR/MADAM,

“安泰集团废气回收发电项目”正在申请成为黄金标准的VER项目。第一轮的“当地利益相关方座谈会”已于2003年4月21日完成。根据黄金标准委员会的要求，项目需要进行第二次的“利益相关方座谈会”，目的是在项目建设过程中收集来自各方的意见和建议。

“Antai Group Waste Gas Recovery for Power Generation Project” is a Gold Standard VER candidate project. The first local stakeholder consultation meeting was conducted on 21st April 2003. As per requirement of Gold Standard, a second-round local stakeholder consultation is required to collect more opinions from stakeholders, in the process of construction.

此次会议将会于2009年3月25日（星期三）上午8:30－12:30在山西省介休市义安镇安泰集团办公大楼三层会议室进行。会议包括现场查看以及意见征集两部分。希望您能在百忙之中抽出时间应邀出席。

This consultation meeting will be held on 25th March 2009, from 8:30am to 12:30am, at the third floor meeting room of Antai group office building located in Yi'an Township, Jiexiu Municipality, Shandong Province. There will be a "site visit" section and a "comments collecting" section. Your presence is welcomed.

顺祝，

安好！

Kind Regards,

山西安泰集团股份有限公司 Shanxi Antai Group Co., Ltd.
肖雪琴（女士） Ms. Xiao Xueqin
联系电话 Mobile：137 5344 5520

南极碳资产管理股份有限公司 South Pole Carbon Asset Management Ltd.
联系人：雍翰林（先生） Mr. Harry yong
联系电话 Phone：010 - 8454 9953

Annex 2: Stakeholder consultation meeting documents

2-1 Participant list

south pole

当地利益相关方研讨会签到表

Attendance List of 2nd Round Local Stakeholder Consultation

项目名称 Project Name	安泰集团废气回收发电项目 Antai Group Waste Gas Recovery for Power Generation Project
项目参与方 Project Participants	山西安泰集团股份有限公司 Antai Group Co., Ltd 瑞士南极碳资产管理股份有限公司 South Pole Carbon Asset Management Ltd.
时间 Time	2009年3月25日上午 8:30至12:30 8:30 a.m. - 12:30 a.m., 25th March 2009
地点 Venue	会议室 Meeting Room

签到表

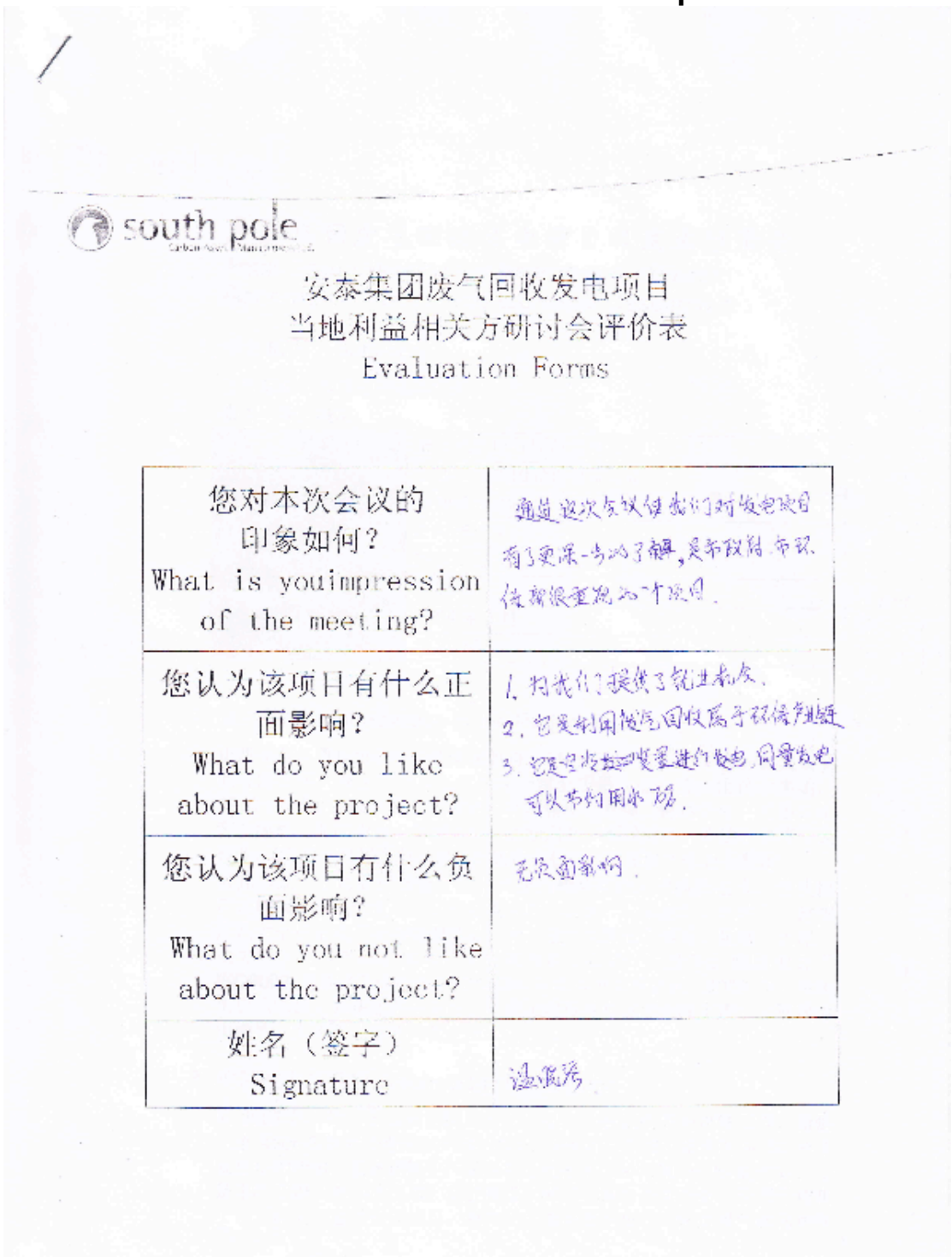
Attendants and Signatures

姓名/职位 Name participant, job/position in the community	性别 Male/Female	单位/公司 Organisation (if relevant)	联系方法 Contact	被邀请方式 How to be invited	签字 Signature
	男				
	男				
	女				
	女				
肖雪琴	女	安泰公司工程师	13753495520	海报	肖雪琴
	男				
	男				
	男				
	女	职工	7237118	海报	

south pole

姓名/职位 Name participant, job/position in the community	性别 Male/Female	单位/公司 Organisation (if relevant)	联系方法 Contact	被邀请方式 How to be invited	签字 Signature
米良玲	女	村民	13713437116	电话	米良玲
邓鹏鸽	女	村民	13836186121	海报	邓鹏鸽
刘[illegible]	男	个人	13907440783	[illegible]	刘[illegible]
李林	男	职工	13755456810	电话	李林
任晓丽	女	村民	13632201130	上门拜访	任晓丽
刘海伟	男	职工	13233015740	电话	刘海伟
温俊秀	女	村民	15835050633	上门拜访	温俊秀
WC[illegible]	男	职工	13835464438	电话	WC[illegible]
温晓敏	男	职工	13453255335	电话	温晓敏
钮小勇	男	村民	13466884291	上门拜访	钮小勇
安黎敏	女	职工	13836457884	海报	安黎敏
侯德强	男	职工	15835034326	海报	侯德强
王建贵	男	村民	13735456311	海报	王建贵
康爱莲	女	村民	13603301175	海报	康爱莲
孙小丽	女	村民	15835034069	海报	孙小丽

2-2 Evaluation Forms sample



south pole

安泰集团废气回收发电项目
当地利益相关方研讨会评价表
Evaluation Forms

您对本次会议的印象如何？ What is youimpression of the meeting?	通过这次会议使我们对发电项目有了更深一步的了解，是市政府很重视这个项目。
您认为该项目有什么正面影响？ What do you like about the project?	1. 为我们提供了就业机会。 2. 它是利用废气回收属于环保产业链 3. 它是把热变废为宝进行发电，同时发电可以节约用水等。
您认为该项目有什么负面影响？ What do you not like about the project?	无负面影响。
姓名（签字） Signature	温振芳

Main sponsors

firstclimate

climatecare

TFS Green
Part of Tradition

TRICORONA

one carbon

Supporting Sponsors

essent

WWF

south pole

myclimate
Protect our planet

BNP PARIBAS

Developers Gold Standard version two

ECOFYS

TÜV SÜD
Industrie Service

FIELD
Foundation for International Environmental Law and Development