

# GOLD STANDARD LOCAL STAKEHOLDER CONSULTATION REPORT

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### SECTION A. PROJECT DESCRIPTION

#### A. 1. Project eligibility under the Gold Standard

##### **1.2 Assess project eligibility**

My Climate and Impact Carbon have partnered to promote the replacement of inefficient traditional coal stoves, with lower emission improved stoves. The partnership (here after referred to as the “Project”) promotes sustainable livelihoods through cost savings from reduced coal consumption, and improved health through cleaner indoor air environments. By investing in clean household energy technologies, the Project also accelerates the transition away from fossil fuel energy systems and mitigates climate change by providing credible and robust greenhouse gas emission reductions.

##### **1.2.1 Scale of project activity**

This is a Large scale renewable energy project activity. The Project will leverage carbon revenues over a 7-year period (twice-renewable) to initially subsidize the cost and promotion of approximately a minimum of annual 15,000 biomass stoves to poor rural households currently using traditional coal stoves. This will achieve an estimated average reduction of 148,882 tCO<sub>2</sub>e per annum, and cumulative emissions reductions of 1,042,178 tCO<sub>2</sub>e throughout the entire 7-year crediting period (twice renewable).

##### **1.2.2 Host country or state**

The Project's VERs are hosted by China. According to GS methodology, any country can host a Gold Standard voluntary carbon market project. Since China does not have a cap on GHG emissions in the residential sector, issued GS VERs do not need to be backed up by allowances or other denominated units reflecting emission reductions.

##### **1.2.3 Type of project activity**

The Project fits under the Renewable Energy Supply category. The Project generates and delivers energy services from the combustion of renewable energy agricultural residues, which are non-fossil and non-depletable energy sources. The Project generates emission reductions from end-use energy efficient improvements for which the difference in carbon content is between non-renewable coal and renewable biomass.

##### **1.2.4 Greenhouse gases**

The Project utilizes eligible GHG under the Gold Standard: Carbon Dioxide (CO<sub>2</sub>), Methane (CH<sub>4</sub>) and Nitrous oxide (N<sub>2</sub>O).

##### **1.2.5 Official Development Assistance (ODA)**

The Project does not receive ODA, and is not on the ODA recipient list of the OECD Development.

##### **1.2.6 Project timeframe**

###### *Previous announcement check*

The Project was not previously announced to be going ahead without the revenues from carbon credits.

###### *Retroactive registration*

The Project will undergo a pre-feasibility assessment since it was operational prior to the time of first submission to Gold Standard.

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### *Retroactive crediting*

The Project will apply for Gold Standard VERs under the retroactive project cycle, and will apply for credits from realized emission reductions from the Gold Standard registration beginning date of October 1<sup>st</sup>, 2010.

### *Parallel submission*

A project activity will be submitted to only the Gold Standard VER stream

## A. 2. Current project status

*Provide information on the status of key project cycle stages (financing, equipment procurement, construction, commissioning) with dates where possible/ relevant. Please note that if a project is already under construction, the project must apply for retroactive registration and a pre-feasibility assessment must be conducted.*

The Clean and Efficient Cooking and Heating Project, China (GS949) initially replaced inefficient “traditional” coal-burning stoves with improved biomass cooking technologies in Shanxi Province. The initial project site in Shanxi reduces greenhouse gases (GHGs) by replacing household use of high emissions fuels such as coal with readily available excess renewable agricultural residues. The Project chose to partner initially with a stove manufacturer in the Shanxi Province for the first credit issuance. Since carbon revenues have been made available for the project to expand, other stove manufacturers have been invited to join the project.

The PP has changed the design of the project to include improved biomass stoves that function as both cooking and heating technologies in the coal endemic area of Guizhou Province.

The Project will leverage carbon revenues and matching local government support to subsidize the cost of distributing the improved stoves to poor rural households currently using traditional coal stoves, achieving an estimated average reduction of 148,882 tCO<sub>2</sub>e per annum, and total emissions reductions of 1,042,178 tCO<sub>2</sub>e throughout the entire 7-year crediting period (twice renewable). To date, over 15,000 stoves were sold in year 2011, and it is expected that at least 25,000 stoves will be sold by year end 2012. The Project is currently under construction and thus is applying for retroactive registration from the start of the project registration, October 1<sup>st</sup>, 2010.

Below are details on the current project status of the local manufacturer in Hubei:

Manufacturer Name: Anshun Huifeng Energy Saving Stove Company Ltd. (Huifeng)

- Company formed in Nov 2007
- 78 employees
- Started selling current biomass stove in 2007
- Stove is sold at 27 franchisers and 8 stores
- Historic Stove sales & price
  - 2007: 8,000 @ 500 rmb/stove, 240 gov subsidy
  - 2008: 15,000 @ 600 rmb/stove, 240 rmb gov subsidy
  - 2009: 20,000 @ 780 rmb/stove, 450 rmb gov subsidy
  - 2010: 30,000 @ 600 rmb/stove, 450 rmb gov subsidy
- Location of stove sales:

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- 2007 贵州 省 毕节 市 织金 县  
Guizhou Province Bijie City Zhijin County
- 2008 贵州 省 六盘水 市 水城 县  
Guizhou Province Liupanshui City Shuicheng County
- 2009 贵州 省 兴义 市 兴仁 县  
Guizhou Province Xingyi City Xingren County
- 2010 贵州 省 安顺 市 紫云、关岭 县  
Guizhou Province Anshun City Ziyun, Guanling County
- Sales projections:
  - 2012 – 25,000
  - 2013 – 25,000
  - 2014 – 30,000
  - 2015 – 30,000
  - 2016– 30,000
- 100% of stoves are sold to rural HH, 0% to urban
- Operation lifetime of stove: 8 year

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### SECTION B. DESIGN OF STAKEHOLDER CONSULTATION PROCESS

#### B. 1. Design of physical meeting(s)

##### i. Agenda

<b>Stakeholder Consultation Meeting Agenda for Huifeng Stove Project</b> <b>惠烽炉灶碳交易项目利益相关方咨询会议程序</b> February 23, 2012 Address: Huarong Group meeting room, Huangguoshu Road, Anshun City, Guizhou 地点：贵州省安顺市黄果树大道华荣集团会议室		
Time 时间	Contents 内容	Speaker 发言人
9:00-9:05	Opening and introduction of participants by Chairman 会议开始，主持人介绍参会人员	董事长李惠 Mrs. Li Hui
9:05-9:15	Welcome Speech by Chair of Anshun Science & Technology Association 安顺市科协副主席致辞	李素英 Mrs. Li Suying
9:15-9:40	Non-Technical Summary by Director of Project from CAREI 介绍会议的目的地和意义以及碳交易项目	项目主任陈晓夫 Mr.Chen Xiaofu
9:40-10:50	Brief Introduction of Huifeng by General Manager 介绍惠烽公司情况	总经理詹坤 Mr. Zhan Kun
9:50-11:30	Speak by the participants and discussion 听取与会者意见	
11:30-11:45	Evaluation form and Sustainability Exercise 参会者填写评价表和可持续发展问题表	
11:45-11:50	会议结束 Closing	
13:30-14:30	Visit Huifeng Company 参观惠烽公司	

ii. Non-technical summary

**Clean and Efficient Cooking and Heating Project:  
Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project**

**Summary: Clean and Efficient Cooking and Heating Project, China**

One of the most visible signs of the urban/rural disparity in China is in the household energy sector. While cleaner-burning petroleum-based fuels are increasingly common in wealthier areas, at least 50% of all households still depend on solid fuels as an important household fuel, a practice resulting in pollution exposures that the World Health Organization estimates to be annually responsible for over 380,000 premature deaths in China alone.

Impact Carbon and China Association of Rural Energy Industry (CAREI) have partnered to alleviate the health and climate burdens found in rural China due to the inefficient and dirty use of solid fuels such as coal for household energy demands. This partnership promotes the use of efficient and clean household energy technologies that can be used for heating and cooking, and generates carbon credits in the voluntary market based on the greenhouse gas emission reductions of these technologies.

**Project Activity: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project**

This is a voluntary emissions reduction project that has been registered to the Voluntary Gold Standard, and is now undergoing a design change to include new types of stoves. The project is currently beginning the initial stakeholder consultation process to include new models of heating and cooking stoves, including the Huifeng stove, into the current project, which provides you with both the opportunity to provide written feedback and to join us for a stakeholder meeting. Per the Voluntary Gold Standard, we invite all stakeholders, including the general public, to provide input to our project design.

In Guizhou, this project promotes the replacement of inefficient coal burning heating stoves by making affordable cleaner burning biomass semi-gasifier heating and cooking stoves through the sale of voluntary market carbon credits. The project will invest revenues from carbon finance in stove subsidies, social marketing, and the development of a robust distribution chain.

Impact Carbon and CAREI are working with the Chinese manufacturer Anshun Huifeng Energy Saving Stove Company Ltd. (Huifeng) to disseminate improved biomass semi-gasifier stoves to low-income rural communities in Guizhou Province, China. The efficient and clean-burning Huifeng stoves will replace household coal consumption with crop residue and wood branches as fuel. The project will develop carbon finance for the emission reductions (ERs) generated by displaced coal consumption as a sustainable business model for large-scale stove dissemination with quantifiable climate and poverty alleviation co-benefits.

**The Role of Carbon Finance:**

The project is financed by investment capital that the project seeks to recapture by generating Voluntary Gold Standard carbon credits. The carbon credits will be generated using the voluntary market standards developed by the Gold Standard Foundation. Carbon revenues from this project will help to expand the market for clean burning biomass stoves in Guizhou by subsidizing a greater number of stoves.

**Partners:**

Anshun Huifeng Energy Saving Stove Company Ltd. will manufacture, distribute, and maintain the stoves for local communities. China Association of Rural Energy Industry will manage technical consultation, government relations, and liaison between local, national, and international stakeholders. Beijing University of Chemical Technology (BUCT) will oversee and implement monitoring and evaluation. Impact Carbon (formerly CEIHD) will manage the development of the carbon asset.

## 清洁高效炊事采暖——

### 中国贵州惠烽生物质炉灶扩大推广碳交易项目

#### 一、中国清洁高效炊事采暖项目简介

中国在户用能源使用方面存在着明显的城乡差别。尽管清洁燃烧的石油类燃料在较富裕的地区使用日益普遍，但至少50%的用户仍然主要使用固体燃料。据世界卫生组织估计，中国每年有超过380,000人受此产生的污染而过早死亡。

美国碳影响组织和中国农村能源行业协会合作研究如何缓解在中国农村使用煤等低效非清洁的固体燃料引起的健康与气候问题，并促进高效清洁户用能源技术在中国户用采暖和炊事中的应用。通过应用这些技术可以产生温室气体减排量，从而在自愿减排市场进行碳交易，为清洁能源的大范围推广提供资金的可持续保障。

#### 二、惠烽炉灶扩大推广碳交易项目活动

该项目为自愿减排项目，已经在联合国黄金标准组织注册，现在正在进行包括新型炉灶的设计改变。目前进行的项目前期利益相关方咨询过程，是将新型的惠烽炊事烤火炉纳入该项目。该过程包括提供书面反馈意见和参加我们的项目利益相关方会议。根据自愿减排的黄金标准，我们将邀请包括普通公众在内的所有利益相关方参加咨询会，并提出对项目设计的看法和建议。

项目通过在自愿减排国际市场销售碳信用额获得的资金，在贵州推广高效清洁燃烧的生物质炊事烤火炉，从而替代低效燃烧的煤炉。该项目还会从碳交易补贴，市场营销和一个发展强有力的销售链获得收益。

美国碳影响组织、中国农村能源行业协会与贵州安顺惠烽节能炉具有限责任公司合作在贵州低收入的农村地区推广改进型生物质炉灶。高效清洁燃烧的惠烽炉灶使用农作物和林业废弃物作为燃料，可以替代户用煤炭的使用，从而达到从产生的

温室气体减排信用额获得资金，建立规模化推广生物质炉灶的可持续发展商业模式，同时还可以改善当地环境和农民的健康与贫困状况。

#### 三、碳资金作用

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项目通过自愿黄金标准的碳信用额交易来获得资金，碳信用要符合联合国黄金标准组织制定的自愿市场标准。项目的碳收益资金将用于在贵州扩大补贴推广清洁燃烧的生物物质炉灶。

### 四、合作方

安顺惠烽节能炉具有限责任公司负责生产，销售与维修炉灶。中国农村能源行业协会负责技术咨询指导、与政府部门沟通及当地、国内、国际利益相关者之间的联系。北京化工大学负责项目的监测和评估，美国碳影响组织将负责对产生的碳资产管理。

### iii. Invitation tracking table

Category code	Organisation (if relevant)	Name of invitee	Way of invitation	Date of invitation	Confirmation received? Y/N
C	Clean Development Mechanism in China	(China DNA)	Email	2/6/2012	Y
E	Gold Standard	Leon Wang	Email	2/6/2012	Y
E	Gold Standard	Annyta Luo	Email	2/6/2012	Y
E	Gold Standard expert	Yuran Dai	Email	2/6/2012	N
F	Global Environmental Institute (GEI)	Chen Chongying	Email	2/6/2012	Y
D	The Climate Group (China)	Wu Changhua	Email	2/6/2012	N
D	Green Camel Bell (Gansu)	Ran Liping	Email	2/6/2012	N
F	Climate Focus	Karla Lieberg	Email	2/6/2012	N
B	Peking University	Shu Tao	Email	2/6/2012	Y
B	Guizhou Province Western Development Office	Wang Guilin	Phone	2/10/2012	Y
B	Anshun City Agriculture Committee	Wang Defang	Phone	2/9/2012	Y
B	Anshun City Science & Technology Bureau	Tong Jingyan	Phone	2/10/2012	Y
B	Anshun City Forestry Bureau	Cheng Youzhong	Phone	2/10/2012	Y
B	Anshun City Economy & Trade Bureau	Chen Zhiquan	Phone	2/10/2012	Y
B	Anshun City Economy & Trade Bureau,	Yang Zhengang	Phone	2/9/2012	Y
B	Anshun City Science &	Li Suying	Phone	2/9/2012	Y

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	Technology Association				
B	Anshun City Federation of Industry and Commerce	Wu Yusheng	Phone	2/9/2012	Y
B	Anshun City Women's Federation	Li Chaohua	Phone	2/10/2012	Y
B	Anshun City Agriculture Bureau, Xixiu District	Tian Zeshu	Phone	2/10/2012	Y
B	Pingba County Rural Energy Office	Zhao Guangquan	Phone	2/10/2012	Y
B	Pingba County Agriculture Center Shizi Town	Chen Lanshan	Phone	2/10/2012	Y
A	Pingba County Shizi Village	Hu Mingxiu	Phone	2/10/2012	Y
A	Ziyun County Dongkou Village	Wu Yingchao	Phone	2/10/2012	Y
A	Ziyun County Dafangdi Village	Tong Donglin	Phone	2/10/2012	Y
A	Huangguoshu County Shitouzhai Village	Weng Shengqiang	Phone	2/10/2012	Y
A	Anshun City TV Station	Xi Peibo	Phone	2/9/2012	Y

Please explain how you decided that the above organisations/ individuals are relevant stakeholders to your project. Also, please discuss how your invitation methods seek to include a broad range of stakeholders (e.g. gender, age, ethnicity).

A broad range of stakeholders were invited to the stakeholder consultation meeting, including individuals from each of the six categories that GS recommends. Invitations were sent by email whenever possible, but if the stakeholder did not have email, direct phone call invitations were made. Both thought leaders and local users within the community were invited, including village leaders, residents, government officials, media, manufacturers, NGOs, and international representatives.

Five local people from Pingba County and Ziyun County were invited to the meeting by a Local leader who gave them the invitation directly. The invitation letter was also posted in the county and uploaded the on local government website.

#### iv. Text of individual invitations

**Invitation to Initial Stakeholder Consultation**  
**Clean and Efficient Cooking and Heating Project:**  
**Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project**

## Gold Standard Local Stakeholder Consultation Report

Dear Sir or Madam,

We invite you to provide input to the design of a project intended to fund the dissemination of Huifeng clean and efficient semi-gasifier biomass stoves by creating and selling voluntary emissions reductions which are known also as carbon offsets. This project is the result of partnership between China Association of Rural Energy Industry (CAREI), Impact Carbon USA, Anshun Huifeng Energy Saving Stove Company Ltd. and other relevant partners.

This is a voluntary emissions reduction project that has been registered to the Voluntary Gold Standard, and is now undergoing a design change to include new types of stoves. A brief non-technical description of the project is attached to this invitation. The project is currently beginning the initial stakeholder consultation process to include new models of heating and cooking stoves, including the Huifeng stove, into the current project, which provides you with both the opportunity to provide written feedback and to join us for a stakeholder meeting.

Per the Voluntary Gold Standard, we invite all stakeholders, including the general public, to provide input to our project design.

- Written feedback can be provided by emailing with direct feedback, or to request a template with which to review the project. Emails received before February 20, 2012 can be included in the formal stakeholder consultation process.
- The meeting will be held at the Huangguoshu Road Huarong Group meeting room, Anshun City, Guizhou Province from 09:00am to 12:00am on 23/02/2012.

Thank you for your consideration of this request. We look forward to receiving your comments and/or having the pleasure of meeting you in person on 23/02/2012.

Sincerely,

Chen Xiaofu – CAREI (0086-10-65031567) [chxiaofu@126.com](mailto:chxiaofu@126.com)

Li Hui – Anshun Huifeng Company Ltd. (0086-13885344137) [huifenglju@163.com](mailto:huifenglju@163.com)

Jimmy H. Tran - Impact Carbon, USA (+1 415 968 9087) [jtran@impactcarbon.org](mailto:jtran@impactcarbon.org)

### 利益相关方咨询会议邀请函

清洁高效炊事采暖

中国贵州惠烽生物质炉灶扩大推广碳交易项目

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尊敬的先生/女生:

我们诚挚的邀请您参加中国贵州惠烽生物质炉灶碳交易项目利益相关方咨询会议，希望得到您对项目设计的看法和建议。该项目通过产生减排量进行自愿碳交易来获得推广惠烽清洁高效生物质半气化炉所需资金。由中国农村能源行业协会、美国碳影响组织、贵州安顺惠烽节能炉具有限责任公司及其他相关合作方共同实施。

该项目为自愿减排项目，已经在联合国黄金标准组织注册，现在正在进行包括新型炉灶的设计改变，邀请函附有一份该项目的非技术概要。目前进行的项目前期利益相关方咨询过程，是将新型的惠烽炊事烤火炉纳入该项目。该过程包括提供书面反馈意见和参加我们的项目利益相关方会议。根据自愿减排的黄金标准，我们将邀请包括普通公众在内的所有利益相关方参加咨询会，并提出对项目设计的看法和建议。

您可以通过发送电子邮件直接提交书面反馈，或者要求提供项目的评论格式。在2010年2月20日前发送的电子邮件将被计入正式的利益相关方咨询过程。

会议时间：2012年2月23日上午9:00~12:00。

会议地点：贵州省安顺市黄果树大道华荣集团会议室

我们期待收到您的意见或能亲临参加会议。不胜感谢。

此致！

陈晓夫—中国农村能源行业协会(0086-10-65031567) [chxiaofu@126.com](mailto:chxiaofu@126.com)

李惠—安顺惠烽节能炉具有限责任公司(0086-13885344137) [huifenglju@163.com](mailto:huifenglju@163.com)

杰米—美国碳影响组织(+1 415 968 9087) [jtran@impactcarbon.org](mailto:jtran@impactcarbon.org)

### v. Text of public invitations

Government officials posted paper print-outs of the invitation in government buildings (see pictures below). Village leaders also conveyed the invitation to villagers during publicly aired news announcements using amplified outdoor speakers. These announcements paraphrased the text of the individual invitations. Meanwhile the invitation letter was uploaded on the Huifeng Company website:

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[http://www.huifenglju.com/news\\_detail/newsId=8208d38a-7780-4e73-9d86-0d2aa599e64a.html](http://www.huifenglju.com/news_detail/newsId=8208d38a-7780-4e73-9d86-0d2aa599e64a.html)



### B. 2. Description of other consultation methods used

*If individuals and/ or entities (e.g. NGOs) are unable to attend the physical meeting, please discuss other methods that were used to solicit their feedback/ comments (e.g. questionnaires, phone calls, interviews).*

After the LSC, on March 6<sup>th</sup> 2012, Huifeng Company held the training for users and stove exhibition. Besides

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users, some other people also came to see the demonstration. Meanwhile Huifeng Company invited Mr. Wang Guilin from Guizhou Western Development Office to explain the carbon project to the users and other attendees, and then solicited their opinions.

In addition, in-person consultations were conducted with local households during the baseline and project Kitchen Performance Tests and Quarterly Kitchen Surveys. All comments were positive and the data collected shows the common benefits of reduced coal consumption. On average, HH in Guizhou reported that they save 840 kg of coal per year and save 1,382 RMB from reduced fuel purchases. The table below presents the results of the 155 HH survey which shows the positive stove performance.

Stove Performance Indicator	More	Less	Same
Heating time	0	0	155
Cooking Time	0	155	0
Fuel Use	0	155	0
Fuel Expense	0	155	0
Ease of Use	155	0	0
Amount of Smoke	0	155	0
Coughing & Eye Irritation	0	155	0

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### SECTION C. CONSULTATION PROCESS

#### C. 1. Participants' in physical meeting(s)

##### i. List of participants

Participants list					
Date and time: 02/23/2012 9:00am-12:00pm					
Location: Huangguoshudadao Huarong Group meeting room, Anshun City, Guizhou Province					
Category Code	Name of participant, job/ position in the community	Male/ Female	Signature	Organisation (if relevant)	Contact details
B	Wang Guilin	Male	See Annex 1	Western Development Office, Guizhou Province	13595001166
B	Wang Defang	Male	See Annex 1	Agriculture Committee, Anshun City	13885351668
B	Tong Jingyan	Male	See Annex 1	Science & Technology Bureau, Anshun City	13585310158
B	Cheng Youzhong	Male	See Annex 1	Forestry Burea, Anshun City	13908534488
B	Chen Zhiquan	Male	See Annex 1	Economy & Trade Bureau, Xixiu District, Anshun City	13985328868
B	Yang Zhengang	Male	See Annex 1	Economy & Trade Bureau, Anshun	13885316663
B	Li Suying	Female	See Annex 1	Anshun Science & Technology Association	13985314396

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B	Wu Yusheng	Male	See Annex 1	Federation of Industry and Commerce, Anshun City	13908538298
D	Li Chaohua	Female	See Annex 1	Women's Federation Anshun City	13985723588
B	Tian Zeshu	Male	See Annex 1	Agriculture Bureau, Xixiu District, Anshun City	13885381168
B	Zhao Guangquan	Male	See Annex 1	Rural Energy Office, Pingba County	13885354316
A	Chen Lanshan	Male	See Annex 1	Agriculture Center Shizi Town, Pingba	13885321169
A	Hu Mingxiu	Female	See Annex 1	Shizi Village, Pingba County	15008535887
A	Wu Yingchao	Male	See Annex 1	Dongkou Village, Ziyun County	13765315189
A	Tong Donglin	Male	See Annex 1	Dafangdi Village, Ziyun County	15870167408
A	Weng Shengqiang	Male	See Annex 1	Shitouzhai Village, Huangguoshu County	15885072571
A	Xi Peibo	Male	See Annex 1	Anshun TV Station	13885354316
B	Fan Xuenong	Male	See Annex 1	Forestry Station, Anshun City	NA
B	Chen Xiaofu	Male	See Annex 1	China Association of Rural Energy Industry	13501296260
B	Zhang Weihao	Male	See Annex 1	Beijing University of Chemical Technology	13466546990
A	Li Hui	Male	See Annex 1	Anshun Huifeng Stove Company	13885344137
A	Zhan Kun	Male	See Annex 1	Anshun Huifeng Stove Company	13985323948

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### *Comments accompanying Annex 1*

Participants in attendance represented a wide array of stakeholders for the carbon project, including government leaders, village leaders and residents, dealers, cooperative enterprises, NGOs, university, and project developers. Invitation letters were sent to 26 people, of whom 23 people confirmed receiving the invitations, and 22 people actually attended the meeting. The original participant list with signatures can be found in Annex 1.

### ii. Evaluation forms

*Please add at least 4-5 representative samples in English.*

*Please attach original evaluation forms (in original language) as Annex 2.*

<b>Name</b>	<b>Yang Zhengang</b>
What is your impression of the meeting?	Very good
What do you like about the project?	Protect environment by reducing emission, benefit farmers, promote development of enterprise
What do you not like about the project?	Strengthen propaganda
Signature	See Annex 2
<b>Name</b>	<b>Wu Yusheng</b>
What is your impression of the meeting?	Very good
What do you like about the project?	Save energy and reduce emission, increase farmers' disposable income
What do you not like about the project?	Enhance the promotion
Signature	See Annex 2
<b>Name</b>	<b>Li Chaohua</b>
What is your impression of the meeting?	Very good, broaden my horizon
What do you like about the project?	Protect environment by using residues, reduce coal use
What do you not like about the project?	Strengthen propaganda
Signature	See Annex 2
<b>Name</b>	<b>Zhao Guangquan</b>
What is your impression of the meeting?	Very good
What do you like about the project?	Project can benefit farmers by reducing stove price

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What do you not like about the project?	Accelerate the development
Signature	See Annex 2
<b>Name</b>	<b>Fan Xuenong</b>
What is your impression of the meeting?	Very good
What do you like about the project?	Make best use of renewable energy
What do you not like about the project?	Further reduce stove price
Signature	See Annex 2

### *Comments accompanying Annex 2*

The stakeholder's evaluation of the meeting and project was very positive. The stakeholders widely supported the environmental and public health benefit of the Project, along with its use of clean rural biomass fuel. Many stakeholders suggested that expanded "propaganda," which is meant as social marketing and education on the benefits of using clean burning biomass stoves as compared to traditional coal stoves. Other comments included accelerating development and increasing the subsidy.

### **C. 2. Pictures from physical meeting(s)**



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### C. 3. Outcome of consultation process

#### i. Minutes of physical meeting(s)

##### 1. Background

Title: Clean and Efficient Cooking and Heating Project: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project

Date and time: : 09:00-12:00, 23/02/2012

Location : Hua Rong Group meeting room, Huangguoshu Road, Anshun City, Guizhou Province

Chair : Mrs. Li Hui, Chairman of Anshun Huifeng Stove Company

Recorder : Steve

##### 2. Meeting Objectives

The meeting is to introduce project to stakeholders of developing carbon project and gathering their opinions. Developers can investigate feasibility and potential problem of developing VER project in Anshun City, Guizhou Province.

##### 3. Agenda

9:00-9:05 Meeting started. Mrs. Li Hui, Chairman of Anshun Huifeng Stove Company, introduced attendees.

9:05-9:15 Mrs. Li Suying, Anshun Science & Technology Association, gave a welcome speech.

9:15-9:40 Mr. Chen Xiaofu, Project Director from CAREI, introduced the project in detail.

9:40-9:50 Mr. Zhan Kun, General Manager of Anshun Huifeng Stove Company, introduced Huifeng Company.

9:50-11:30 Attendees expressed their opinions and suggestions

##### 9:50 Anshun City Women's Federation, Chair, Mrs. Li Zhaohua :

My hometown is an area where people use coal as primary fuel with serious endemic fluorine disease. I am very excited after listening to the project introduction. The project can save energy and reduce emission, improve women and children's health, and make use of local abundant biomass residues. It is very promising. The market will be very vast.

##### 10:05 Anshun Science & Technology Association, Vice Chair, Mrs. Li Suying:

Thanks project developers for bring in such a good project. Our science & technology department will provide strong support to make the project better and better. We hope more enterprises can participate in the project in the future. Besides, we hope to have a good understanding of carbon finance purpose and status of domestic carbon market. Chen Xiaofu answered in detail.

##### 10:15 Guizhou Province Western Development Office, Advisor, Wang Guilin

Thank you very much for developing such a good project. Mr. Chen and students work very hard and carefully. We should learn from you. Local department should cooperate and support actively. For enterprise, this project also means a good opportunity. Hope everything goes well. Can we also develop biomass solid fuel carbon project? Chen Xiaofu answered that there had not been any methodology now. But biomass solid fuel is also our focus in the future.

##### 10:25 Pingba County Rural Energy Office, Director, Zhao Guangquan:

It is too conservative to only take emission reduction in heating time into account. We can also consider the fact that many users cook with Huifeng stove in the summer. Thus we can get more credits.

##### 10:35 Anshun City Xixiu District, Economy & Trade Bureau, Director, Chen Zhiquan:

The project promotes energy-saving and emission-reduction, consistent with policy. Stove company should grasp this opportunity to try to achieve technology innovation and enhance the publicity.

##### 10:45 Anshun City Agriculture Committee, Director, Wang Defang:

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The market of biomass briquettes is vast, which need enterprise pay more attention to. Improving manufacturing technology of biomass solid fuel is helpful to change traditional disposal of biomass residues. Our region is abundant in biomass resource. The prospect of biomass market is very promising.

**10:50 Anshun City Forestry Bureau, Vice Director, Cheng Youzhong:**

The percentage of outturn of forest in Anshun is 60-65%. 35% left are mainly residues, which can be used as fuel for stove. Government focuses on disposal of upatorium adenophorum, which need support from enterprises.

**11:00 Leader of Dongkou Village, Ziyun County, Wu Yingchao :**

Last year over 600 Huifeng biomass stoves were sold to my village. Huifeng stove can burn multiple kinds of biomass fuel, saving much coal use and cost and getting very positive comment. One people ever suggested that combustion chamber may be smaller and enhance the air-tightness. Thus maybe more fuel can be saved. Now still 20% of households in my village have not used Huifeng stove yet. Hope we can get the stoves as soon as possible.

**11:05 Shizi Villag, Pingba County, Hu Mingxiu**

Huifeng stove replacing coal use really saves much cost for us. Before using Huifeng, we use 1.5 tons of coal in winter. Now just using wood can meet the heating demand. Over 200 households are using Huifeng biomass stove. Most users have stopped using coal in winter. The suggestion is that the combustion chamber can be lower, which may be have a better effect.

**11:15 Pingba County, Shizi Town, Agriculture Center, Director, Chen Lanshan:**

The heating month in my village is 6 months with the elevation above 1300m. In 2010 and 2011, 750 stoves were sold to my village. All users say that it is very convenient to use the Huifeng stove. Compared with the old stove, Huifeng can save much time of cooking and water boiling. Old stove need over 20 minutes to boil the water, while Huifeng only need 15 minutes. Reduction in fuel use can also save time to collect fuel. Now one household can save over 1 tons of coal every year. Hope other 2000 villagers can use the stove as soon as possible. Moreover, if the price is lower with the subsidy from carbon finance, the dissemination will be larger.

**11:30 Fill in the evaluation form and sustainability matrix**

**11:50 LSC ended.**

## ii. Minutes of other consultations

After the LSC, on March 6th, Huifeng Company held the training for users and stove exhibition. Besides users, some other people also came to see the demonstration. Meanwhile Huifeng introduced the carbon project to the users and other people, and then solicited their opinions. They all thought the project is very good and helpful to farmers. Some people who have not bought Huifeng stove hope to get the stove at a low price using the carbon finance. Some participants:

Song Shaowen, from Caiguan Village, Xixiu District.

Wu Wenqing, Wu Wenda, Wu Wenqing from Shitouzhai Village

Zeng Mingwu, Luo Houxiang, Wu Yongsheng, Luo Changwen from Luoye Village

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### iii. Assessment of all comments

Stakeholder comment	Was comment taken into account (Yes/ No)?	Explanation (Why? How?)
The project can save energy and reduce emission, improve women and children's health, and make use of local abundant biomass residues. It is very promising. The market will be very vast.	Yes	Huifeng biomass cookstoves provide improved thermal efficiency, thereby reducing the amount of wood fuel required to cook meals. Reducing the amount of woodfuel consumed naturally reduces the amount of smoke emitted into a home. This means that less harmful pollutants are emitted, an important improvement as indoor air pollution has been proven to have direct correlation with respiratory illness and mortality rates, especially among women and children, worldwide.
Can we also develop biomass solid fuel carbon project? Improving manufacturing technology of biomass solid fuel is helpful to change traditional disposal of biomass residues. Our region is abundant in biomass resource. The prospect of biomass market is very promising.	Yes	While Huifeng's heating stove is the only technology with which the Project is working in Hubei province at present, it is possible that the Project will eventually be able to work with other high-quality and efficient technologies in the area, such as biomass pelleting.

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It is too conservative to only take emission reduction in heating time into account. We can also consider the fact that many users cook with Huifeng stove in the summer. Thus we can get more credits.	No	To be conservative, the project will initially only credit the heating season. In the future, after there are carbon revenues to help pay for expanded testing to include non-heating months, the project will consider crediting ICS use during the heating season.
Stove company should grasp this opportunity to try to achieve technology innovation and enhance the publicity.	Yes	A goal of the project is to make clean and energy efficient technologies accessible to all populations. A key benefit of carbon finance is that carbon revenues can help businesses engage in market development activities, increase awareness of the campaign, and reach more users with their products. Consequently, the stove companies will benefit from additional publicity. As described in the sustainability monitoring plan, the Project will leverage CAREI's expertise to train and educate users on the benefits of using improved biomass stoves, so this will result in greater awareness as well.
The combustion chamber could be made smaller and enhance the air-tightness, in order to reduce more fuel consumption. The combustion chamber can be lower, which may be have a better effect.	No	The project seeks to support research and development. As carbon revenues become available the project can assist the stove manufacturers in improving technology design.
Reduction in fuel use can also save time to collect fuel. Now one household can save over 1 tons of coal every year. Hope other 2000 villagers can use the stove as soon as possible. Moreover, if the price is lower with the subsidy from carbon finance, the dissemination will be larger.	Yes	A goal of the project is to make clean and energy efficient technologies assessable to all populations. Carbon revenues will allow subsidies to reach greater numbers of households with more affordable stoves.

### iv. Revisit sustainability assessment

Are you going to revisit the sustainable development assessment?	<b>Yes</b>	<b>No</b>
Please note that this is necessary when there are indicators scored 'negative' or if there are stakeholder comments that can't be mitigated	<input type="checkbox"/>	X

#### *Give reasoning behind the decision*

There is no plan to revisit the sustainable development assessment at this point. The stakeholder consultation process has not uncovered any aspects of the project that conflict with our original assessments.

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### v. Summary of alterations based on comments

*If stakeholder comments have been taken into account and any aspect of the project modified, then please discuss that here.*

The Project proponents are encouraged by the overwhelming positive feedback and support by all stakeholders. There was clear agreement that only positive, and no negative, impacts will occur as a result of the project.

The stakeholders agreed that the project will 1) reduce coal consumption, 2) increase fuel savings, 3) increase speed of cooking and boiling water, 4) meet household energy demand by making use of abundant local biomass residues, 5) promotes local sustainable development, 6) improves women and children's health condition and reduce disease incident, and 7) increase disposable income.

Many stakeholders stressed the importance of educating local residents of the health and environmental benefits of the stove. They also encouraged greater training and technical support for current users of the Huifeng stove. As a result of these comments, the Project will design a comprehensive education and training program to encourage dissemination and appropriate use of the stove. Project partners at the China Association for Rural Energy Industries (CAREI) have extensive experience in training, promotion, and education for improved stoves. Most recently, CAREI and Impact Carbon led a US Environmental Protection Agency (EPA) and Wuppertal Institute funded project that promoted capacity building and training for the scale-up of improved stoves in poor western regions of China. This expertise will be utilized in the Guizhou carbon project.

The project proponents did not elicit from the stakeholder meeting any major changes for the project design. The positive results of the stakeholder meeting reinforce our confidence that the project design will deliver high quality social and environmental benefits to all participants and stakeholders.

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### SECTION D. SUSTAINABLE DEVELOPMENT ASSESSMENT

#### D. 1. Own sustainable development assessment

##### i. 'Do no harm' assessment

[See Toolkit 2.4.1 and Toolkit Annex H]

Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low, medium, high)	Mitigation measure
<b>1 HUMAN RIGHTS</b> The project respects internationally proclaimed human rights including dignity, cultural property and uniqueness of indigenous people. The project is not complicit in Human Rights abuses.	Improved cookstoves respect the dignity, cultural property and indigenous qualities of local communities. The project will improve local health through reduced indoor air pollution from reduced use of high emission stoves.	Low	N/A
<b>2 HUMAN RIGHTS</b> The project does not involve and is not complicit in involuntary resettlement.	Project participants are self-selecting in that they choose whether or not to purchase a subsidized stove. The sale and distribution of cookstoves will not cause involuntary resettlement.	Low	N/A
<b>3 HUMAN RIGHTS</b> The project does not involve and is not complicit in the alteration, damage or removal of any critical cultural heritage.	Local cooking practices will be preserved with the installation of new cookstoves.	Low	N/A
<b>4 LABOUR STANDARDS</b> The project respects the employees' freedom of association and their right to collective bargaining and is not complicit in restrictions of these freedoms and rights	The project generates employment through manufacturing and sales of stoves. The project respects all employees' freedom of association and does not restrict these rights.	Low	N/A
<b>5 LABOUR STANDARDS</b> The project does not involve and is not complicit in any form of forced or compulsory labour.	Participation in the project is voluntary; no forced or compulsory labour is employed by the project.	Low	N/A
<b>6 LABOUR STANDARDS</b>	The project does not	Low	N/A

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The project does not employ and is not complicit in any form of child labour.	employ and is not complicit in child labor.		
<b>7 LABOUR STANDARDS</b> The project does not involve and is not complicit in any form of discrimination based on gender, race, religion, sexual orientation or any other basis.	The project does not involve any form of discrimination based on gender, race, religion, sexual orientation, or any other basis.	Low	N/A
<b>8 LABOUR STANDARDS</b> The project provides workers with a safe and healthy work environment and is not complicit in exposing workers to unsafe or unhealthy work environments	The construction of cookstoves involves light factory work. No hazardous materials will be used in the construction of stoves. Local safety protocols will be followed during the manufacturing process.	Low	N/A
<b>9 ENVIRONMENTAL PROTECTION</b> The project takes a precautionary approach in regard to environmental challenges and is not complicit in practices contrary to the precautionary principle. This principle can be defined as: "When an activity raises threats of harm to human health or the environment, precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically."	The project does not pose a threat to human health or the environment. The project aims to improve health through reducing levels of indoor air pollution.	Low	N/A
<b>10 ENVIRONMENTAL PROTECTION</b> The project does not involve and is not complicit in significant conversion or degradation of critical natural habitats, including those that are (a) legally protected, (b) officially proposed for protection, (c) identified by authoritative sources for their high conservation value or (d) recognised as	The project will reduce the demand for raw coal and associated processes needed to remove coal from their sources. Natural habitats will not be degraded or converted.	Low	N/A

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protected by traditional local communities			
<b>11 ANTI-CORRUPTION</b> The project does not involve and is not complicit in corruption.	The project is not involved or complicit in corruption.	Low	N/A
<b>Additional relevant critical issues for my project type</b>	<b>Description of relevance to my project</b>	<b>Assessment of relevance to my project (low, medium, high)</b>	<b>Mitigation measure</b>
1	N/A	N/A	N/A
2	N/A	N/A	N/A

### ii. 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 <a href="http://www.undp.org/mdg">www.undp.org/mdg</a> and <a href="http://www.mdgmonitor.org">www.mdgmonitor.org</a> 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	n/a	MDG Goal 7, Target 1 MDG Goal 5, Target 1 MDG Goal 4, Target 1 MDG Goal 6, Target 3 (progress toward tuberculosis)	Measurement of user perceptions between old stove and new stove: Perceived smoke levels, Incidence of coughing, Incidence of respiratory illness, Incidence of itchy eyes	+ Positive
Water quality and quantity	n/a	MDG Goal 7, Target 3	Reduced coal fuel consumption correlates to reduced climate change as a result of greenhouses gas emission production and a consequent improvement in water quality and quantity. However, due to the difficulty in monitoring and measuring this factor in comparison to the baseline of traditional stoves, we have scored the project neutral for this indicator.	0 Neutral
Soil condition	n/a	MDG Goal 7, Target 2	n/a	0 Neutral
Other pollutants	n/a	MDG Goal 7, Target 1	The project is unlikely to have a material effect on participants' exposure to "other pollutants" besides the reduction of indoor air pollutants. The project is scored neutral for this indicator.	0 Neutral
Biodiversity	n/a	MDG Goal 7, Target 2	n/a	0 Neutral
Quality of employment		MDG Goal 1, Target 2	The project is invested in local manufacturing capacity and the training of workers in China. As the project scales, even more resources will be invested. It is possible that the project will improve quality of employment, but the project scores this indicator neutral because there is no guarantee that the "quality" of employment will improve.	0 Neutral

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Livelihood of the poor	n/a	MDG Goal 1, Target 1; MDG Goal 7, Target 4	Reduced coal consumption will reduce annual purchased coal costs. Time and money savings due to reduced fuel consumption	+ Positive
Access to affordable and clean energy services	n/a	MDG Goal 1	Burning surplus agricultural biomass instead of purchasing expensive coal will save users money and provide a cheaper and cleaner alternative to coal fuels. Time and money savings due to reduced fuel consumption	+ Positive
Human and institutional capacity	n/a	MDG Goal 1, Target 2	Trainings in stove design, manufacturing, and marketing will be provided as part of the project. Regardless, this parameter does not require mitigation measures, and results in no changes to the project design. To conservatively assess the Project's impacts on human and institutional capacity, we score this indicator neutral, believing that this score best reflects GS methodology for this indicator.	0 Neutral
Quantitative employment and income generation	n/a	MDG Goal 1, Target 2	Although employment opportunities will certainly be available as a result of stove manufacturing and sales, the Project does not assume that the hiring of new workers will necessarily be required to maintain growth. Investments in more efficient equipment, or providing stable employment to current workers, are equally likely outcomes of the project. Regardless, this parameter does not require mitigation measures, and results in no changes to the project design. To conservatively assess the Project's impacts on quantitative employment and income generation, we score this indicator as neutral.	0 Neutral
Balance of payments and investment	n/a	MDG Goal 1, Target 2	n/a	0 Neutral
Technology transfer and technological self-reliance	n/a	MDG Goal 1, Target 1 and 2	A primary focus of the project is developing local manufacturing capacity to compete with foreign made stove models which have been carefully developed with expensive research and design. Although technology improvements will likely occur from expanded research and development, it is difficult to monitor appropriately the transfer of this knowledge to other companies and the benefits to other regions. Manufacturer records, and informal discussions, have not indicated any transfer of technology. This indicator is scored neutral.	0 Neutral

### *Comments accompanying own sustainable development matrix*

The project developers continue to design the project in a way that makes social and environmental indicators more positive and reduces any possibility of negative impacts. Since none of the indicators were viewed to be negative, no mitigation steps are outlined in the matrix. The sustainable development indicators will be monitored closely as the project develops when they are found to be positive or negative (vs neutral).

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### D. 2. Stakeholders Blind sustainable development matrix

Indicator	Proposed Mitigation Measures	Relevance to Millennium Development Goals	Preliminary Score:	Monitoring recommendations:
Gold Standard indicators of sustainable development	If relevant, copy mitigation measure from 'Do No Harm' assessment, and include mitigation measure used to neutralize a score of '-'	Describe how your indicator is related to local MDG goals	<u>Negative impact:</u> score '-' in case negative impact is not fully mitigated, score '0' in case impact is planned to be fully mitigated <u>No change in impact:</u> score '0' <u>Positive impact:</u> score '+'	Recorded during Sustainable Development Exercise
Air quality	Use stoves that emit less smoke in the kitchen and educate that cooking should be ventilated or done outside.	See Sustainable Development Matrix in section D.1.ii	"+" - positive impact  <i>15/15 stakeholders scored indicator positive</i>	No monitoring recommendations offered.
Water quality and quantity	No mitigation measures apply.	See Sustainable Development Matrix in section D.1.ii	"0" - neutral  <i>3/15 stakeholders scored indicator positive, 12 did not respond and did not think the indicator was relevant</i>	No monitoring recommendations offered.
Soil condition	No mitigation measures offered.	See Sustainable Development Matrix in section D.1.ii	"0" - neutral  <i>1/15 stakeholders scored indicator positive, 13 did not respond and did not think the indicator was relevant</i>	No monitoring recommendations offered.
Other pollutants	No mitigation measures apply.	See Sustainable Development Matrix in section D.1.ii	"0" - neutral  <i>0/15 stakeholders scored indicator positive, all stakeholders didn't think the indicator was relevant</i>	Evaluate emissions from cooking
Biodiversity	Reach a great amount of people with improved stoves to reduce deforestation as much as possible	See Sustainable Development Matrix in section D.1.ii	"0" - neutral  <i>2/15 stakeholders scored indicator positive, 1 scored neutral, and 12 stakeholders didn't think the indicator was relevant</i>	No monitoring recommendations offered.
Quality of employment	No mitigation measures apply.	See Sustainable Development Matrix in section D.1.ii	"0" - neutral  <i>3/15 stakeholders scored indicator positive, 12 did not respond and did not think the indicator was relevant</i>	No monitoring recommendations offered.
Livelihood of the poor	Raise awareness of efficient cooking options	See Sustainable Development Matrix in section D.1.ii	"+" - positive impact  <i>14/15 stakeholders scored indicator positive, 1 did not respond and did not think the indicator was relevant</i>	No monitoring recommendations offered.
Access to affordable and clean energy services	No mitigation measures apply.	See Sustainable Development Matrix in section D.1.ii	"+" - positive impact  <i>15/15 stakeholders scored indicator positive</i>	No monitoring recommendations offered.
Human and institutional capacity	No mitigation measures apply.	See Sustainable Development Matrix in section D.1.ii	"0" - neutral  <i>4/15 stakeholders scored indicator positive, 11 did not respond and did not think the indicator was relevant</i>	No monitoring recommendations offered.

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Quantitative employment and income generation	No mitigation measures apply.	See Sustainable Development Matrix in section D.1.ii	""+" - positive impact <i>8/15 stakeholders scored indicator positive, 7 did not respond and did not think the indicator was relevant</i>	No monitoring recommendations offered.
Balance of payments and investment	Incorporate locally made stoves into the project	See Sustainable Development Matrix in section D.1.ii	"0" - neutral <i>2/15 stakeholders scored indicator positive, 13 did not respond and did not think the indicator was relevant</i>	No monitoring recommendations offered.
Technology transfer and technological self-reliance	No mitigation measures apply.	See Sustainable Development Matrix in section D.1.ii	"0" - neutral <i>3/15 stakeholders scored indicator positive, 12 did not respond and did not think the indicator was relevant</i>	No monitoring recommendations offered.

### *Comments resulting from the stakeholders blind sustainable development matrix*

The stakeholders' blind exercise was administered precisely according to the Gold Standard toolkit. Notes were taken in the development matrix above that was projected on a screen in front of the audience for maximum transparency. Responses were edited for typographical errors, and for clarity. The comments made by the stakeholders regarding the indicators are listed in the table above. No indicators were scored as negative.

### *Give analysis of difference between own sustainable development matrix and the one resulting from the blind exercise with stakeholders. Explain how both were consolidated.*

The stakeholders who attended the meeting were in support of the project and gave a higher sustainability rating (4 positive, 8 neutral) than the project developers (3 positive, 9 neutral). In order to present a final consolidated matrix we kept the consolidated matrix the most conservative possible. In this line we kept some indicators as neutral that stakeholders would score as positive. That is the case for many indicators where monitoring would be difficult or not cost-effective for the scale of this project.

### **D. 3. Consolidated 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 <a href="http://www.undp.org/mdg">www.undp.org/mdg</a> and <a href="http://www.mdgmonitor.org">www.mdgmonitor.org</a> 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 '+'

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Air quality	n/a	MDG Goal 7, Target 1 MDG Goal 5, Target 1 MDG Goal 4, Target 1 MDG Goal 6, Target 3 (progress toward tuberculosis)	Measurement of user perceptions between old stove and new stove: Perceived smoke levels, Incidence of coughing, Incidence of respiratory illness, Incidence of itchy eyes	+ Positive
Water quality and quantity	n/a	MDG Goal 7, Target 3	Reduced coal fuel consumption correlates to reduced climate change as a result of greenhouses gas emission production and a consequent improvement in water quality and quantity. However, due to the difficulty in monitoring and measuring this factor in comparison to the baseline of traditional stoves, we have scored the project neutral for this indicator.	0 Neutral
Soil condition	n/a	MDG Goal 7, Target 2	n/a	0 Neutral
Other pollutants	n/a	MDG Goal 7, Target 1	The project is unlikely to have a material effect on participants' exposure to "other pollutants" besides the reduction of indoor air pollutants. The project is scored neutral for this indicator.	0 Neutral
Biodiversity	n/a	MDG Goal 7, Target 2	n/a	0 Neutral
Quality of employment		MDG Goal 1, Target 2	The project is invested in local manufacturing capacity and the training of workers in China. As the project scales, even more resources will be invested. It is possible that the project will improve quality of employment, but the project scores this indicator neutral because there is no guarantee that the "quality" of employment will improve.	0 Neutral
Livelihood of the poor	n/a	MDG Goal 1, Target 1; MDG Goal 7, Target 4	Reduced coal consumption will reduce annual purchased coal costs. Time and money savings due to reduced fuel consumption	+ Positive
Access to affordable and clean energy services	n/a	MDG Goal 1	Burning surplus agricultural biomass instead of purchasing expensive coal will save users money and provide a cheaper and cleaner alternative to coal fuels. Time and money savings due to reduced fuel consumption	+ Positive
Human and institutional capacity	n/a	MDG Goal 1, Target 2	Trainings in stove design, manufacturing, and marketing will be provided as part of the project. Regardless, this parameter does not require mitigation measures, and results in no changes to the project design. To conservatively assess the Project's impacts on human and institutional capacity, we score this indicator neutral, believing that this score best reflects GS methodology for this indicator.	0 Neutral
Quantitative employment and income generation	n/a	MDG Goal 1, Target 2	Although employment opportunities will certainly be available as a result of stove manufacturing and sales, the Project does not assume that the hiring of new workers will necessarily be required to maintain growth. Investments in more efficient equipment, or providing stable employment to current workers, are equally likely outcomes of the project. Regardless, this parameter does not require mitigation measures, and results	0 Neutral

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			in no changes to the project design. To conservatively assess the Project's impacts on quantitative employment and income generation, we score this indicator as neutral.	
Balance of payments and investment	n/a	MDG Goal 1, Target 2	n/a	0 Neutral
Technology transfer and technological self-reliance	n/a	MDG Goal 1, Target 1 and 2	A primary focus of the project is developing local manufacturing capacity to compete with foreign made stove models which have been carefully developed with expensive research and design. Although technology improvements will likely occur from expanded research and development, it is difficult to monitor appropriately the transfer of this knowledge to other companies and the benefits to other regions. Manufacturer records, and informal discussions, have not indicated any transfer of technology. This indicator is scored neutral.	0 Neutral

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### **SECTION E. DISCUSSION ON SUSTAINABILITY MONITORING PLAN**

*Discuss stakeholders' ideas on monitoring sustainable development indicators. Do people have ideas on how this could be done in a cost effective way? Are there ways in which stakeholders can participate in monitoring?*

For a detailed description of the sustainability monitoring plan, see the Project's GS Passport, Section G: Sustainability Monitoring Plan. In this plan, local stakeholders will participate in household surveys and interviews to help assess the impacts of project activities. The Project is committed to all aspects of sustainability and will continually adjust monitoring activities to reflect the realities of project implementation. During the stakeholder meeting no one provided comments or recommendations for improving the monitoring of sustainable development indicators.

## Gold Standard Local Stakeholder Consultation Report

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### **SECTION F. DESCRIPTION OF THE DESIGN OF THE STAKEHOLDER FEEDBACK ROUND**

A stakeholder feedback round was conducted to allow further feedback on the project design, and to demonstrate that the Project has taken due account of comments from stakeholders who attended the meeting. To this end, the Project will make available the final stakeholder report via:

1. Posting online for public viewing, and will provide an email address for further comments and feedback.
2. Soliciting follow-up comments from local leaders through informal phone calls, and through manufacturer conversations with end users in the villages.
3. Distributing hardcopies of the report to various locations in Guizhou, including government offices, and in meeting rooms of various villages.

The results of the stakeholder consultation provide no compelling evidence for major changes to the original project design presented at the meeting. In response to comments from stakeholders, the Project will expand marketing and training (as described in the sustainability monitoring plan). The Project believes due account has been taken of initial stakeholder feedback, and we continually remain open to further comments.

## Gold Standard Local Stakeholder Consultation Report

### ANNEX 1. ORIGINAL PARTICIPANTS LIST

#### Stakeholder Consultation for Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project

中国贵州惠烽生物质炉灶扩大推广碳交易项目利益相关方咨询会议

Sign-In Sheet (23/02/2012)

签到表

序号 No.	Name 姓名	Job/Position 职业/ 职务	Sex 性别	Organization 单位	Contact 联系方式	Signature 签字
1	王桂林	顾问	男	贵州省西部开发办公室	13595001166	王桂林
2	汪德芳	主任	男	安顺市农委	13885351668	汪德芳
3	童景岩	局长	男	安顺市科技局	13585310158	童景岩
4	潘登岭	局长	女	安顺市林业局	13908534488	潘登岭
5	陈支全	局长	男	安顺市经贸局	13985328868	陈支全
6	杨振刚	科长	男	安顺市经贸局	13885316663	杨振刚
7	李素英	副主席	女	安顺市科协	13985314396	李素英
8	吴玉生	党组书记	男	安顺市工商联	13908538298	吴玉生
9	李朝华	主席	女	安顺市妇联	13985723588	李朝华
10	田泽书	局长	男	西秀区农业局	13885381168	田泽书

### Gold Standard Local Stakeholder Consultation Report

No. 序号	Name 姓名	Job/Position 职业/ 职务	Sex 性别	Organization 单位	Contact 联系方式	Signature 签字
11	田泽书	局长	男	安顺市西秀区农业局 <i>农村能源</i>	13885381168	<i>田泽书</i>
12	赵光全	主任	男	平坝县农业局办公室	13885354316	<i>赵光全</i>
13	陈兰山	站长	男	平坝县十字乡农业推广站	13885321169	<i>陈兰山</i>
14	胡明秀	村民	<i>女</i>	平坝县十字乡	15008535887	<i>胡明秀</i>
15	吴应超	村长	男	紫云县板当镇硃口村	13765315189	<i>吴应超</i>
16	童东林	村民	男	紫云县大方地村	15870167408	<i>童东林</i>
17	翁生强	村民	男	黄果树石头寨村	15885072571	<i>翁生强</i>
18	陈晓夫	主任	男	中国农村能源行业协会中美 炉灶碳交易项目	13501296260	<i>陈晓夫</i>
19	张伟豪	博士生	男	北京化工大学	13466546990	<i>张伟豪</i>
20	李惠	董事长	女	安顺惠烽节能炉具有限公司	13885344137	<i>李惠</i>
21	詹坤	总经理	男	安顺惠烽节能炉具有限公司	13985323948	<i>詹坤</i>
22	席培波	<i>记者</i>	男	安顺电视台	13638531901	<i>席培波</i>
23	<i>范学农</i>	<i>技术员</i>	<i>男</i>	安顺报社 <i>植保站</i>		<i>范学农</i>

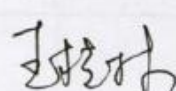
**ANNEX 2. ORIGINAL EVALUATION FORMS**

**Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project**  
**评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目**

What is your impression of the meeting?  
您对这个会议的印象如何？ 好。

What do you like about the project?  
您认为这个项目有什么好处？ 有利环保，有利民生。

What do you not like about the project?  
您认为这个项目有什么不足？ 无。

-----  
Signature 签名： 



## Gold Standard Local Stakeholder Consultation Report

### Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project 评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

What is your impression of the meeting?  
您对这个会议的印象如何？

好

What do you like about the project?  
您认为这个项目有什么好处？

为村庄节约经济  
为村民节约时间

What do you not like about the project?  
您认为这个项目有什么不足？

无

Signature 签名:

汪法勇



## Gold Standard Local Stakeholder Consultation Report

### Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project 评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

What is your impression of the meeting?  
您对这个会议的印象如何？

好。

What do you like about the project?  
您认为这个项目有什么好处？

有利环保，有利民生。

What do you not like about the project?  
您认为这个项目有什么不足？

无。

Signature 签名：\_\_\_\_\_

王松林



## Gold Standard Local Stakeholder Consultation Report

### Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project 评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

What is your impression of the meeting?  
您对这个会议的印象如何？

好

What do you like about the project?  
您认为这个项目有什么好处？

为群众节约经济  
为国际节约环境

What do you not like about the project?  
您认为这个项目有什么不足？

无

Signature 签名：

汪法勇



## Gold Standard Local Stakeholder Consultation Report

### Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project 评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

What is your impression of the meeting?  
您对这个会议的印象如何？

好

What do you like about the project?  
您认为这个项目有什么好处？

节能环保. 利国利民

What do you not like about the project?  
您认为这个项目有什么不足？

无

Signature 签名:

李景岩



## Gold Standard Local Stakeholder Consultation Report

### Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project 评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

What is your impression of the meeting?  
您对这个会议的印象如何？

很好

What do you like about the project?  
您认为这个项目有什么好处？

保护气候，减少二氧化碳排放。

What do you not like about the project?  
您认为这个项目有什么不足？

无。

Signature 签名:

陈支金



## Gold Standard Local Stakeholder Consultation Report

### Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project 评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

What is your impression of the meeting?  
您对这个会议的印象如何？

很好。

What do you like about the project?  
您认为这个项目有什么好处？

1. 可以减少碳排放量 (保护人类生存环境)
2. 农民可以得到实惠,
3. 可以促进包业发展.

What do you not like about the project?  
您认为这个项目有什么不足？

无

Signature 签名:



### Gold Standard Local Stakeholder Consultation Report

Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project

评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

非常好。

What is your impression of the meeting?

您对这个会议的印象如何？

非常好的一个会议，非常感谢中国对生物质行业  
协会对我市企业——惠烽公司的支持。

What do you like about the project?

您认为这个项目有什么好处？

很好。对企业是一次发展的机遇。

What do you not like about the project?

您认为这个项目有什么不足？

无。

Signature 签名:

李集



## Gold Standard Local Stakeholder Consultation Report

### Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project 评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

What is your impression of the meeting?  
您对这个会议的印象如何？

很好

What do you like about the project?  
您认为这个项目有什么好处？

节约成本

环保

What do you not like about the project?  
您认为这个项目有什么不足？

推广规模

Signature 签名：



### Gold Standard Local Stakeholder Consultation Report

Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project

评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

很好

What is your impression of the meeting?

您对这个会议的印象如何？

开了眼界，增加了碳的知识，很好。

What do you like about the project?

您认为这个项目有什么好处？

好处1. 保护环境 因为增加了废物的利用价值 减少了对  
环境的污染。  
2. 减少了对不可再生资源煤的利用。

What do you not like about the project?

您认为这个项目有什么不足？

1. 宣传力度加大。  
2. 生产的运输成本，原材料的收购运的成本较大

Signature 签名:

李朝华

## Gold Standard Local Stakeholder Consultation Report

Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project

评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

What is your impression of the meeting?

您对这个会议的印象如何？

非常好

What do you like about the project?

您认为这个项目有什么好处？

推广碳交易项目成功后，获得的经济利益是多方面的  
可以、直接用于降低灶炉成本。

What do you not like about the project?

您认为这个项目有什么不足？

周期较长，建议缩短。

Signature 签名:

赵峰



## Gold Standard Local Stakeholder Consultation Report

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What is your impression of the meeting?  
您对这个会议的印象如何？

好

What do you like about the project?  
您认为这个项目有什么好处？

保护环境,节约能源,清洁卫生.

What do you not like about the project?  
您认为这个项目有什么不足？

无

Signature 签名:

陈... (Handwritten signature)



## Gold Standard Local Stakeholder Consultation Report

### Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project 评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

What is your impression of the meeting?  
您对这个会议的印象如何？

好

What do you like about the project?  
您认为这个项目有什么好处？

它能省柴节煤，减少农户开支，好处是有的。

What do you not like about the project?  
您认为这个项目有什么不足？

无

Signature 签名：

胡明秀



### Gold Standard Local Stakeholder Consultation Report

#### Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project

#### 评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

What is your impression of the meeting?

您对这个会议的印象如何？

好。

What do you like about the project?

您认为这个项目有什么好处？

好处很多，能让老百姓得到实惠。能实现<sup>此</sup>低碳减排的目的。

What do you not like about the project?

您认为这个项目有什么不足？

无

Signature 签名:

吴名超



## Gold Standard Local Stakeholder Consultation Report

### Evaluation form: Scale-up of Huifeng Biomass Stoves, China, Guizhou Carbon Project 评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

What is your impression of the meeting?  
您对这个会议的印象如何？

好

What do you like about the project?  
您认为这个项目有什么好处？

省柴，不用煤。

What do you not like about the project?  
您认为这个项目有什么不足？

无

Signature 签名：

董东林



## Gold Standard Local Stakeholder Consultation Report

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#### 评价表：中国贵州惠烽生物质炉灶扩大推广碳交易项目

What is your impression of the meeting?

您对这个会议的印象如何？

很好

What do you like about the project?

您认为这个项目有什么好处？

前景广阔，适应社会经济发展趋势

What do you not like about the project?

您认为这个项目有什么不足？

无

Signature 签名:

俞志强



## Gold Standard Local Stakeholder Consultation Report

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What is your impression of the meeting?  
您对这个会议的印象如何？

好

What do you like about the project?  
您认为这个项目有什么好处？

利用可再生能源

What do you not like about the project?  
您认为这个项目有什么不足？

对农民来说成本较高。

Signature 签名:

范学良 (贵阳市观山湖控制站)

## Gold Standard Local Stakeholder Consultation Report

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