



**Component project activity design document form
(Version 08.1)**

Complete this form in accordance with the instructions attached at the end of this form.

BASIC INFORMATION

Title of the CPA	Zinguizapa Small Scale Hydropower Project - CPA0002
Scale of the CPA	<input type="checkbox"/> Large-scale <input type="checkbox"/> Small-scale
Version number of the CPA-DD	<u>43</u>
Completion date of the CPA-DD	<u>09/05/2012/12/2017</u>
Title and UNFCCC reference number of the registered CDM PoA	Guacamaya Small Scale Hydropower Programme of Activities (Ref. Num. 8950)
Title and reference number of the corresponding generic CPA	Title: "CPA Design Document"
Coordinating/managing entity	Anaconda Carbon S.A.
Host Party	<u>Republic of</u> Honduras
Applied methodologies and standardized baselines	AMS-I.D version 17.0: grid connected renewable electricity generation
Sectoral scopes linked to the applied methodologies	1 : Energy industries (renewable - / non-renewable sources)
Estimated amount of annual average GHG emission reductions	11,500 tCO ₂

SECTION A. **Description of component project activity (CPA)**A.1. **General description of CPA**

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The Zinguizapa Small Scale Hydropower Project is a CPA pertaining to the Guacamaya Small Scale Hydropower Programme of Activities (Ref. Num. 8950), of a 3.276 MW [turbine and 2.899MW generator installed capacity](#) hydroelectric power plant located in Honduras. The project is property of G.A. Energy S.A. de C.V., and is located in the Singuizapa Village near the Municipalities of Cedros and Vallecillos in the Francisco Morazán Department, Honduras.

The construction includes: a bypass dam, conduction and pressure pipelines, a power house with a control room, and transmission line. Such works will lead to social, economic and environmental benefits for the inhabitants of the mentioned Municipalities by means of continue social works, job generation, environmental studies and reforestation projects, and finally the access to clean energy. Below is a table with key dates for project development:

Below is a table with key dates for project development:

Milestone	Date
Order of the electromechanical equipment	October 27, 2011
Preliminary civil works	December 10, 2012
Financial Closure with bank	March 31, 2013

A.2. **Location of CPA**

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The project is located in the Singuizapa Village near the Municipalities of Cedros and Vallecillos in the Francisco Morazán Department, Honduras, specifically in the Zinguizapa River.

	Longitude	Latitude
Diversion Dam	-87.33308459814236	14.444683200681967
Powerhouse	-87.35398115540231	14.457961837948297

Below a map of the location of the project and the host country:



A.3. Technologies/measures

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The CPA is a run of river hydropower plant; it involves the construction of the intake structure, the water conveyance system and the power house. The plant conforms to the NREL definition of run-of-the-river because it does not have a reservoir to store water and thus relies on the natural water flow of the river, greatly reducing the environmental impact of the site.

~~The installed capacity would be of 3.276 MW generated from one Pelton Trubine that will produce an estimated 18,480 Mwh annually. The installed capacity of generator is 2.899 MW that will produce an estimated 18,400 MWh annually. The turbine installed capacity is of 3.276 MW~~ This represents a plant load factor of 70% The generator installed capacity is of 2.899MW. A transmission line will connect the power house to a substation located in the community of El Volcan, in the Department of Comayagua This electricity would be supplied to ENEE (Honduran National Electricity Company) and displace electricity that is otherwise produced by coal and fossil fuels.

The construction includes: a bypass dam, conduction and pressure pipelines, a power house with a control room, and transmission line that leads to the substation which then feeds electricity to the "Sistema Interconectado Nacional" of Honduras, (National Interconnected System) which is operated by ENEE. Water discharged from the powerhouse goes through an energy dissipation system before re-entering the river. All of the electricity produced is to be measured on site with SCADA equipment and at the substation. The operational lifetime is expected to be of 30 years.

The project activity is expected to reduce 11,500 tCO₂ per year, and 82,762 tCO₂ over the first crediting period (7 years).

A.4. Coordinating/managing entity

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Anaconda Carbon S.A.

A.5. Parties and CPA implementers

Parties involved	CPA implementers	Indicate if the Party involved wishes to be considered as CPA implementer (Yes/No)
Republic of Honduras (host)	G.A. Energy S.A. de C.V.	No
Germany	Carbonbay GmbH & Co. KG	No
Republic of Panama	Anaconda Carbon S.A.	No

A.6. Public funding of CPA

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The project did not receive any public findings from any international donors (no official development assistance).

A.7. History of CPA

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The CPA is neither registered as an individual CDM project activity nor is part of another registered PoA. The CME has ensured that the CPA has not been registered as a single CDM project. The CPA entity has signed an agreement with the CME which will ensure that the CPA has not been included to another PoA. It should also be noted that the project activity is not not a CPA that has been excluded from a registered CDM PoA as a result of erroneous inclusion of CPAs.

A.8. Debundling

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CDM-CPA-DD-FORM

The Zinguizapa Small Scale Hydropower Project is not a de-bundled component of another project activity, in line with the provisions of the "Guidelines on Assessment of Debundling for SSC Project Activities" (version 03).

The four conditions that need to be met are:

- (a) With the same project participants;
- (b) In the same project category and technology/measure; and
- (c) Registered within the previous 2 years; and
- (d) Whose project boundary is within 1 km of the project boundary of the proposed small-scale activity at the closest point.

The project participant of the CPA is not participating in any other hydro power plant under validation or registered in Honduras, and the Zinguizapa Small Scale Hydropower Project is the first hydropower project G.A. Energy has developed. This can be crosschecked with the PDD published for validation and registered under the UNFCCC webpage.

Below is a table with the distance (km) of the of the Zinguizapa Small Scale Hydropower Project to a CDM activity of the same activity implementer in the same sectoral scope.

Name of the project	Distance to other CDM activities
Zinguizapa Small Scale Hydropower Project	N / A , Zinguizapa Small Scale Hydropower Project is the first CPA entering the programme from this project participant.

SECTION B. Application of selected methodologies and standardized baselines

B.1. Reference to methodologies and standardized baselines

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AMS-I.D version 17.0: grid connected renewable electricity generation

B.2. Project boundary, sources and greenhouse gases (GHGs)

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	Source	GHG	Included ?	Justification/Explanation
Baseline	The Power Grid electricity production from the host country	CO ₂	Included	According AMS.I.D.v17, only CO ₂ emissions from electricity generation should be accounted for.
		CH ₄	Excluded	According to AMS.I.D.
		N ₂ O	Excluded	According to AMS.I.D.
Project activity	CPA electricity production	CO ₂	Excluded	According to AMS.I.D.
		CH ₄	Excluded	According to AMS.I.D.
		N ₂ O	Excluded	According to AMS.I.D.
	For hydro power plants, emissions of CH ₄ from the reservoir	CO ₂	Excluded	Not applicable
		CH ₄	Excluded	Not applicable
		N ₂ O	Excluded	Not applicable

B.3. Establishment and description of baseline scenario

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The baseline scenario is that the electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources into the grid.

B.4. Estimation of emission reductions

B.4.1. Explanation of methodological choices

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The project activity falls under category AMS-I.D *Grid connected renewable electricity generation* (version 17) because the project activity meets the applicability criteria as follows:

Applicability Criteria	CPA Scenario
<p>This methodology comprises renewable energy generation units, such as photovoltaic, hydro, tidal/wave, wind, geothermal and renewable biomass:</p> <p>(a) Supplying electricity to a national or a regional grid; or</p> <p>(b) Supplying electricity to an identified consumer facility via national/regional grid through a contractual arrangement such as wheeling.</p>	<p>The CPA is a hydro power plant that supplies electricity to the Honduras national grid.</p>
<p>This methodology is applicable to project activities that:</p> <p>(a) Install a new power plant at a site where there was no renewable energy power plant operating prior to the implementation of the project activity (Greenfield plant);</p> <p>(b) Involve a capacity addition;</p> <p>(c) Involve a retrofit of (an) existing plant(s); or</p> <p>(d) Involve a replacement of (an) existing plant(s).</p>	<p>The CPA is a new renewable energy power plant at a site where there is no renewable energy power plant operating prior to the implementation of the project activity (Greenfield plant).</p>
<p>Hydro power plants with reservoirs that satisfy at least one of the following conditions are eligible to apply this methodology:</p> <p>The project activity is implemented in an existing reservoir with no change in the volume of reservoir;</p> <p>The project activity is implemented in an existing reservoir, where the volume of reservoir is increased and the power density of the project activity, as per definitions given in the project emissions section, is greater than 4 W/m²;</p> <p>The project activity results in new reservoirs and the power density of the power plant, as</p>	<p>The CPA is a run-of-the-river type small hydro power plant. No reservoir is involved in the CPA.</p>

per definitions given in the project emissions section, is greater than 4 W/m ² .	
If the new unit has both renewable and non-renewable components (e.g. a wind/diesel unit), the eligibility limit of 15 MW for a small-scale CDM project activity applies only to the renewable component. If the new unit co-fires fossil fuel, the capacity of the entire unit shall not exceed the limit of 15 MW.	The installed capacity is 3.276 MW which is less than 15 MW. The CPA involves renewable energy sources (hydro) only. <u>The turbine installed capacity is 3.276 MW. The generator installed capacity is of 2.899MW, which is less than 15 MW.</u>
Combined heat and power (co-generation) systems are not eligible under this category.	Not applicable
In the case of project activities that involve the addition of renewable energy generation units at an existing renewable power generation facility, the added capacity of the units added by the project should be lower than 15MW and should be physically distinct from the existing units. In the case of retrofit or replacement, to qualify as a small-scale project, the total output of the retrofitted or replacement unit shall not exceed the limit of 15 MW.	Not applicable. The project is a Greenfield project.
In the case of retrofit or replacement, to qualify as a small-scale project, the total output of the retrofitted or replacement unit shall not exceed the limit of 15 MW.	Not applicable. The project is a Greenfield project.
In the specific case of biomass project activities the applicability of the methodology is limited to either project activities that use biomass residues only or biomass from dedicated plantations complying with the applicability conditions of AM0042.	Not applicable. The CPA is a hydro project.

In addition, the CPA supplies electricity to the national grid or the CPA results in saving of electricity that would have been provided by the grid, the CPA meets the applicability criteria of the Tool to calculate the emission factor for an electricity system (version 04.0) as follows:

Applicability Criteria	CPA Scenario
This tool may be applied to estimate the OM, BM and/or CM when calculating baseline emissions for a project activity that substitutes grid electricity, i.e. where a project activity supplies electricity to a grid or a project activity that results in savings of electricity that would have been provided by the grid (e.g. demand-side energy efficiency projects).	The CPA supplies electricity to the national grid.
The tool is not applicable if the project electricity system is located partially or totally in an Annex-I country.	The project electricity system is located in Honduras. This country is not an annex I country.
The energy generating equipment employed by the CPA is not transferred from another activity.	No energy generating equipment by the CPA is transferred from another activity.

B.4.2. Data and parameters fixed ex ante

(Copy this table for each piece of data or parameter.)

Data/Parameter	$EF_{grid,CM,y}$
Data unit	tCO ₂ e/MWh
Description	Emission factor of the grid where the hydropower is exporting the electricity to.
Source of data	Data officially approved by the Host country DNA
Value(s) applied	0.6223
Choice of data or measurement methods and procedures	The value is calculated with the latest data available at the start of the validation of the Guacamaya PoA.
Purpose of data	To calculate baseline emissions
Additional comment	Not applicable

Data/Parameter	CAP_{BL}
Data unit	W
Description	Installed capacity of the hydro power plant before the implementation of the project activity. For new hydro power plants, this value is zero.
Source of data	Project site
Value(s) applied	0
Choice of data or measurement methods and procedures	Not applicable
Purpose of data	To calculate the power density
Additional comment	Only applicable when the CPA involves reservoirs

Data/Parameter	A_{BL}
Data unit	m ²
Description	Area of the single or multiple reservoirs measured in the surface of the water, before the implementation of the project activity, when the reservoir is full (m ²). For new reservoirs, this value is zero
Source of data	Project site
Value(s) applied	0
Choice of data or measurement methods and procedures	Not applicable
Purpose of data	To calculate the power density
Additional comment	Only applicable when the CPA involves reservoirs

B.4.3. Ex ante calculation of emission reductions

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The total emission reductions of the CPA are calculated on the basis of the equations and parameters presented and explained in section E.6.1 of the PoA DD.

Baseline emissions

Grid connected renewable electricity generation

The Electricity delivered (EG_y) by Zinguizapa Hydroelectric Project is calculated based on the results of the feasibility study as:

Installed capacity ~~turbine: 3.276 MW~~ (generator): 2.899MW

Plant Load Factor reported in the technical description of the project: 70%

Electricity generation per year reported in the technical description taking into account efficiency and losses: 18,480 MWh.

Thereby $EG_y = 18,480$ MWh/year

$$EF_{grid, CM, y} = 0.6223$$

Equation:

$$BE_{y, power} = EG_y \times EF_{grid, CM, y}$$

Emission reductions

Section A. Calculation of emission reduction from electricity generation

Input data:

$$BE_{y, power} = 11,500 \text{ tCO}_2/\text{year}$$

$$PE_{y, power} = 0$$

$$\text{Leakage}_{y, power} = 0$$

Equation:

$$ER_{y, power} = BE_{y, power} - PE_{y, power} - \text{Leakage}_{y, power}$$

$$ER_{y, power} = BE_{y, power}$$

B.4.4. Summary of ex ante estimates of emission reductions

Year	Baseline emissions (t CO ₂ e)	Project emissions (t CO ₂ e)	Leakage (t CO ₂ e)	Emission reductions (t CO ₂ e)
Year 1	11,500	0	0	11,500
Year 2	11,500	0	0	11,500
Year 3	11,500	0	0	11,500
Year 4	11,500	0	0	11,500
Year 5	11,500	0	0	11,500
Year 6	11,500	0	0	11,500
Year 7	11,500	0	0	11,500
Total	80,500	0	0	80,500
Total number of crediting years	7			
Annual average over the crediting period	11,500	0	0	11,500

B.5. Monitoring plan

B.5.1. Data and parameters to be monitored

(Copy this table for each piece of data or parameter.)

Data/Parameter	EG _y
Data unit	MWh/y
Description	Quantity of net electricity supplied to the grid in year y.
Source of data	Measured by bi-directional electricity meter owned by the project owner. The electricity buyer can install (which is the standard in Honduras) an own meter, in this case the average of the two meters will be taken as the correct value, if the difference of the values is not more than 1%.
Value(s) applied	18,480 MWh
Measurement methods and procedures	The net electricity production will be measured continuously and recorded monthly. The net electricity will be calculated by subtracting the electricity exported with the electricity imported by the CPA. A high level of accuracy of the measurements will be achieved due to the use of high-precision equipment of at least 0.15 (extended range) for P (electric power) and Q (reactive power) and in compliance with the ANSI requirements.
Monitoring frequency	Measured continuously and recorded monthly
QA/QC procedures	Device calibration is carried out periodically in accordance with manufacturer specifications where available. The calibration frequency will comply with applicable national regulations and requirements and will not exceed 3 years, as per CDM standards. Meter testing will be carried every 6 months as per the provisions of the PPA, or in case one of the meters is not working properly. A calibration is to take place in case one of the meters is not functioning properly, which is deemed the case if there is more than a 1% difference in readings between the project meter and the utility meter. Calibration interval will not exceed 3 years, as per CDM standards.
Purpose of data	Calculate the baseline emissions
Additional comment	The meter readings will be cross-checked with available internal and/or external information such as electricity invoices.

B.5.2. Sampling plan

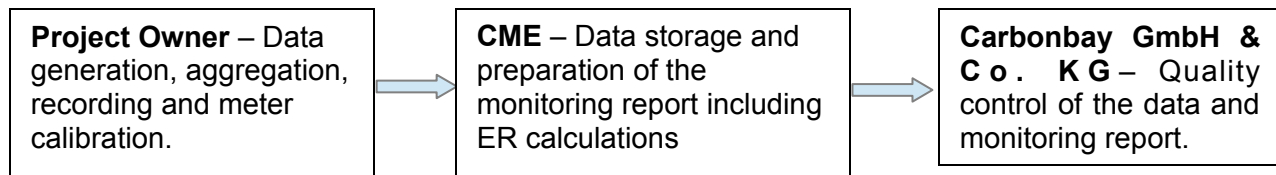
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Not applicable.

B.5.3. Other elements of monitoring plan

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Management Structure and Responsibilities: Overall responsibility for daily monitoring and reporting lies with the project owner. The manager of the proposed project is responsible for the review of the monthly reported results/data and for checking the calibration certificates. The data will be sent to the CME for storage and preparation of the monitoring report, the quality control and approval is done by Carbonbay GmbH & Co. KG.

Organizational Chart:

Data Collection: ~~The electricity supplied to the grid by the project activity will be measured by calibrated electricity meters located in the substation, the point of connection to the grid.~~ The electricity supplied to the grid by the project activity is measured by calibrated electricity meters which are located at the point of connection to the grid, in the community of “El Volcan”, Comayagua. Any electricity import will be discounted to calculate the net electricity supplied to the grid. The parameter is monitored at the project site and crosschecked with the invoices of electricity sold. Data is monitored continuously, measured hourly and recorded monthly as required by the applicable methodology.

Data Recording: All data collected is recorded monthly into an electronic spreadsheet.

Data Calibration:

All measurements will be conducted with calibrated measurement equipment (electricity meters have a class of at least 0.15). Device calibration is carried out periodically in accordance with manufacturer specifications where available. A calibration is to take place in case one of the meters is not functioning properly, which is deemed the case if there is more than a 1% difference in readings between the project meter and the utility meter. Calibration interval will not exceed 3 years, as per CDM standards. The equipment used to monitor the electricity is described by the project owner, and evidences are provided to the CME. ~~The calibration and testing regime is defined by local authorities in the PPA, but will be performed at least every 3 years.~~

Data Report: Data recorded (control value) and the invoices (main value) are consolidated on a monthly basis and are subject to quality control. If there are discrepancies in the data, the source of the variation will be identified, whatever is the main measured value or the control value. The data is compiled monthly in a report and verified by the Project Developer's Head Office.

Data Archives: The data recording, the data report and the invoices will be archived, together with this monitoring plan. All data collected as part of monitoring should be archived electronically and be kept at least for 2 years after the end of the last crediting period.

Data Quality Control: An internal procedure to ensure the correctness of data is employed. Data and reports are checked internally to ensure correctness of data. In case of mistakes, corrective actions are applied to avoid future similar mistakes. In case of erroneous measurements, the data is not taken into account for emission reduction purposes.

Training and Monitoring Personnel: All people that participate in the monitoring process are suitably qualified and trained in the operation and maintenance of the plant. They also receive instructions for the use of the monitoring plan.

Emission factor calculation: The combined margin emission factor is fixed for the first crediting period and updated when the crediting period of the PoA is renewed, using ex-ante data for OM and BM as described in the PoA-DD document.

Verification and Monitoring Results: The monitoring report has been prepared by the managing entity. It contains the data report, the emission factor calculation and the results of the emissions reductions of the project for a certain period.

Leakage monitoring: No energy generating equipment is transferred from another activity to this project and there is no existing equipment to be transferred to another activity. The project activity

involves electricity generation from hydro sources. The employed hydro energy generator can only convert hydro energy into electrical energy and cannot use any other input fuel for electricity generation. Thus monitoring leakage from the project activity is not required.

SECTION C. Start date, crediting period type and duration**C.1. Start date of CPA**

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October 27, 2011, date which the project ordered the electromechanical equipment.

C.2. Expected operational lifetime of CPA

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30 years and 0 Months

C.3. Crediting period of CPA**C.3.1. Type of crediting period**

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Renewable crediting period of 7 years for the first crediting period, which can be renewed twice and extended for a maximum length of 21 years.

C.3.2. Start date of crediting period

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01/09/2015 or the date of inclusion into the POA, whichever is later.

C.3.3. Duration of crediting period

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Renewable crediting period of 7 years for the first crediting period, which can be renewed twice and extended for a maximum length of 21 years.

SECTION D. Environmental impacts**D.1. Analysis of environmental impacts**

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As per PoA-DD the environmental analysis was undertaken at CPA level.

Air Quality:

There are no changes compared to the baseline related to the air quality. Any measure or mitigation measure was followed during construction or will be followed during operation.

Water quality and quantity:

Prior to the start of construction activities, the project owner conducted water quality monitoring of the Rio Zinguizapa both at water intake site and an exhaust hose after the powerhouse.

The values measured are pH, temperature, conductivity, dissolved oxygen, phosphates and nitrates. When the construction activities of the project began, there was semi-annual monitoring until the end of construction. During the operation phase, the same analysis is conducted once a year in the points described above. The results of this analysis should be submitted at the time of control and monitoring by the relevant environmental authorities.

An ecological flow of at least 10% of the annual average flow of the river will be implemented. Soil Condition:

At the end of the construction phase of the project, all construction equipment, surplus materials, waste and temporary facilities will be removed.

The discharge of waste oils and fuels on the ground or in water bodies is prohibited. These wastes will be treated as far as possible or sold for reuse or transformation of their components.

Burning or accumulation of solid waste of any composition or characteristic within and surrounding the project area is prohibited.

Also, a reforestation program will be implemented in the area surrounding the project, considering the planting of ten (10) trees for every one (1) to be cut.

Other Pollutants:

Dust emissions during construction phase will be prevented by periodically moistening the access roads and the construction area. Also, the use of burnt oil will not be allowed to prevent this impact. Also in place will be a preventive maintenance of equipment and machinery program, in order to avoid generating the nuisance of noise, odours, smoke and suspended particles.

The noise and vibration associated with the use of explosives will be controlled by using low density explosives

Biodiversity:

During the operational phase of the project, inventories of aquatic fauna of the river will take place once a year and compare it to the inventory made before the construction phase. These studies will be done by a professional specialized in these matters duly registered in the Register of Providers Environmental Services Directorate of Evaluation and Environmental Control. These results will be presented to the relevant environmental authorities.

In order to carry out the removal of trees, the project proponent must request an inspection for cutting trees to the Municipal Environmental Unit Vallecillos and Cedros and must apply for inspection of regional Forest Conservation Institute (ICF) to evaluate and make the counting of trees to be cut for the project implementation.

D.2. Environmental impact assessment

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As per PoA-DD the environmental analysis was undertaken at CPA level.

SECTION E. Local stakeholder consultation

E.1. Modalities for local stakeholder consultation

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The Zinguizapa HPP has had many meetings and agreements reached with the communities surrounding the project activity. Many have taken place prior to the project start date. These meetings heard the comments/grievances that the local inhabitants might have with the project and also served as an opportunity to reach agreements on projects and donations that the project proponents would agree to provided to the community.

All meetings were announced via communication with the local associations "patronatos", the local government and in person invitations with the local inhabitants.

Below is a table outlining the meetings held prior to the project start date:


Meeting #	Date	Location	Comments
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CDM-CPA-DD-FORM

1	01/04/2009	Vallecillos Community Municipal Building	Project proponents described the project activity and received official approval from local government for the development and execution of the HPP.
2	17/07/2010	El Carrizal Village	Project proponents described the project activity and received official approval from the local population and its local government for the construction of the project activity.
3	17/07/2010	Trinidad de Quebradas Village	Project proponents described the project activity and received official approval from the local population and its local government for the construction of the project activity.
4	17/08/2010	Cedros Municipality Municipal Building	Project proponents described the project activity and received official approval from the local population and its local government for the project proponent to carry out studies for the HPP.
5	05/11/2010	CECECAPA HPP ,located near the municipality of Ilama, in the department of Santa Barbara, Honduras	Local inhabitants and local government visited a HPP with a similar size in order to have a clear idea as to the magnitude and impact of a similar HPP.
6	29/10/2010	Vallecillos Municipal Building	Open dialogue about the characteristics and impact of the project activity.

Below are copies of the agreements reached from these meetings as well as attendance lists.

Meeting #1:




Municipalidad de Vallecillo

Francisco Morazán
Honduras Centro América

CERTIFICACIÓN

La suscrita Secretaría Municipal del Municipio de Vallecillo, departamento de Francisco Morazán con las facultades que la ley le confiere, CERTIFICA: Que en el Libro de Actas que lleva esta Alcaldía Municipal, se encuentra el ACTA No. 822 de la sesión de orden realizada por la honorable Corporación Municipal de fecha 01 de Abril de 2009, en el Punto No. 11 Acuerdos y Resoluciones, se aprueba: Autorizar a la Empresa G. A. ENERGY para que realicen los Proyectos Hidroeléctricos en los Ríos La Puerta y Singuitzapo de este mismo municipio. La Municipalidad deberá formar parte en la realización de estos Proyectos y la Empresa tomará en consideración los requerimientos que la Corporación Municipal determine.

Y para constancia se extiende la presente en Valladolid, Francisco Morazán a los 29 días del mes de junio del año 2010.



Denia Centeno
Secretaría Municipal
Teléfono 769-10...

Trabajamos por el Desarrollo de Nuestro Municipio

Meeting #2:

ACTA DE RECONOCIMIENTO, APOYO Y ACEPTACION

Reunidos en la Comunidad de El Carrizal, los abajo firmantes, miembros del Patronato y habitantes de esta Comunidad.

Por la presente hacemos constar, que estamos en pleno conocimiento que la empresa G.A. ENERGY S.A. de C.V. ha estado realizando los Estudios Técnicos en el Río conocido como "Zinguizapa" a inmediaciones de nuestra Comunidad, para desarrollar un proyecto de generación hidroeléctrica.

Asimismo, hacemos constar, que estamos en pleno conocimiento que es intención de la empresa G.A. ENERGY S.A. de C.V. construir este proyecto, a partir del próximo año 2011 en un lapso de tiempo aproximado de 2 (Dos) años.

Considerando, que este tipo de proyectos trae como consecuencia progreso y prosperidad para nuestra comunidad por convertirse en un polo de desarrollo para la zona y adicionalmente por una serie de beneficios como ser: la contratación de mano de obra local, pago de impuestos al Municipio y otros beneficios de tipo social.

Considerando, que nuestra comunidad y las que adicionalmente se encuentran en la zona de estos proyectos, necesitan de este tipo de iniciativas e inversiones para crecer económicamente y socialmente.

Por consiguiente ACUERDA:

Apoyar y Aprobar la Construcción del Proyecto Hidroeléctrico: "Zinguizapa" en sus diferentes etapas, que desarrollará la empresa G.A. ENERGY S.A. de C.V. a partir del próximo año 2011 en caso que obtenga todos los permisos y licenciamientos gubernamentales, así como el financiamiento respectivo para su ejecución.

Dado en la Comunidad de El Carrizal, el día sábado 17 de Julio del año 2010.

Assistance sheet from meeting #2:

Lista de Asistencia en reunión de la comunidad del Carrizal
Cedros Francisco Morazán

Juan Carlos	Andino - Banegas
Rafael Mendez	
Rafael Antonio Valle	
BELIA SUYU BACARRA	
oscar medina	
calixto andino B	
Isabel Mercedes	
Lorenza serrato	
maria Virginia Andino B	
edna Josefina Banegas	
José Antonio Amador	
Francisco Andino	
Lorenza serrato	
Francisco Andino Torres	
Alexis Banegas	

Lista de Asistencia El Carrizal Cedros F.H.

Nombre	Cargo
Juan José Manfredo Valle	Secretario
Ever Joel Ramos	visceral
Jhon Fernando Valle	
Rafael Andino B.	
oscar medina	vice presidente
calixto andino B	local primario
Lorenza serrato	
José Santos Ramos	
Mario Isabel Aguilar	
Darlin Rosneida López	Tesorera
edgar de alcarro	auxiliar
Rafael Antonio valle	
Anibal Medina	local 2
Diama medina	
Francisca Acosta	
Evelia Méndez	
ELSA Isabel Ramos	
Ases lazano	
maria velazquez	
Evelia Lopez	
Chirina Valle	
Nancy Lozano	
Margarita Menéndez	

Meeting #3:

ACTA DE RECONOCIMIENTO, APOYO Y ACEPTACION

Reunidos en la Comunidad de Trinidad de Quebradas, los abajo firmantes, miembros del Patronato y habitantes de esta Comunidad.

Por la presente hacemos constar, que estamos en pleno conocimiento que la empresa G.A. ENERGY S.A. de C.V. ha estado realizando los Estudios Técnicos en el Río conocido como "Zingulzapa" a inmediaciones de nuestra Comunidad, para desarrollar un proyecto de generación hidroeléctrico.

Asimismo, hacemos constar, que estamos en pleno conocimiento que es intención de la empresa G.A. ENERGY S.A. de C.V. construir este proyecto, a partir del próximo año 2011 en un lapso de tiempo aproximado de 2 (Dos) años.

Considerando, que este tipo de proyectos trae como consecuencia progreso y prosperidad para nuestra comunidad por convertirse en un polo de desarrollo para la zona y adicionalmente por una serie de beneficios como ser: la contratación de mano de obra local, pago de impuestos al Municipio y otros beneficios de tipo social.


Considerando, que nuestra comunidad y las que adicionalmente se encuentran en la zona de estos proyectos, necesitan de este tipo de iniciativas e inversiones para crecer económicamente y socialmente.

Por consiguiente ACUERDA:

Apoyar y Aprobar la Construcción del Proyecto Hidroeléctrico: "Zingulzapa" que desarrollará la empresa G.A. ENERGY S.A. de C.V. a partir del próximo año 2011 en caso que obtenga todos los permisos y licenciamientos gubernamentales, así como el financiamiento respectivo para su ejecución.


Dado en la Comunidad de Trinidad de Quebradas, el día sábado 17 de julio del año 2010.

Assistance sheet for meeting #3:

 PATRONATO PRO-MEJORAMIENTO DE
TRINIDAD DE QUEBRADAS
Vallecillo Fco. Morazán

"Trabajamos por el desarrollo de nuestra Comunidad"

Pedro Flores
Luis Flores
maria Antonia Matamoros
Luis Flores
Aida Mendieta
Eladio Lopez
Angel Pradillo Valle
Norma Francisca Vasquez
Juan Jose Flores
Hector Flores
Eduardo Flores
Isabel Flores
Pascual Vazquez
FRANCISCO TORRES
Ruben Rosa Torres
Luis Enrique Flores
Hector Flores
Eduardo Flores
Luis Flores
Rodolfo Flores
JUAN LUIS GOMEZ

 PATRONATO PRO-MEJORAMIENTO DE
TRINIDAD DE QUEBRADAS
Vallecillo Fco. Morazán

"Trabajamos por el desarrollo de nuestra Comunidad"

Hector Flores
Dina y Guadalupe Flores
Mildre Yaritza Flores Argueta
Blanca Rosalva Flores
Eda Angelina Flores
Rosa Isabella Flores
Gelia Maria Flores
Gema Yareth Lopez Valle
Jorge Flores
Luis Flores
Francisco Flores
Jose Manuel Flores
Baldomero Flores
Rosa Flores
Rosa alpina Flores
Jairo Gilberto Flores
Jorge Lopez
Francisco Flores
Marta Elena Flores
Obdulia Flores
Waheni Flores
Gustavo Flores

Lista de Asesores Unidad de Quebrados Vallejo	
Nombre	Cargo
Diana Elvira Aguayo A.	
Aldo Variza Flores	comite de salud
Blanca Rosa Pizarro Pacheco	Red de mujeres luchadoras
Baldomero Flores Pereira	Edte. Junta de agua
Francisco Javier Vallejo P.	ninguno
María Pizarro Jerez	Coordinador Capitalina
Guillermo Flores	Vocal comite
Edil Fran Benítez	Regidor municipal
Ruben Roca Flores	Ciudadano
Norma Francisca Vasquez	Vocal II Salud
Antonia	Presidente del Patronato
Santana Alfaro Lopez	vis. presidente
Pascual Turcios Benito	Santaño
Jaime Valle	tesorero Patronato
Alfonso Jofre Lopez	Vocal III

Meeting #4:


MUNICIPALIDAD DE CEDROS
FRANCISCO MORAZAN, REPUBLICA DE HONDURAS
 TEL: 768-1103, 768-1144, 768-1023, FAX: 768-1029
 E-mail: municipalidadcedros@hotmail.com


CERTIFICACIÓN

La Infrascrita Secretaría Municipal de Cedros F.M., CERTIFICA: Que en los libros de Actas Municipales que obran en este archivo correspondiente a los años 2010. Se encuentra inscrito el punto de acta que literalmente dice: Acta No. 17, Sesión ordinaria celebrada por la Honorable Corporación de Cedros Departamento de Francisco Morazán el jueves 17 del mes de Agosto del año dos mil diez siendo las 1:43 a.m. Presidió la sesión el señor David Castro Suarez, Alcalde Municipal con asistencia del Vice Alcalde Municipal la señora Bertha Otilia Vásquez y Regidores: 1) Javier Raudales Cruz, 2) Manuel Ramón Torres Ortega, 3) José Daniel Zuniga Elvir, 4) Marden Roger Fúnez Calix, 5) Miguel Antonio Moncada Sánchez, 6) Pedro Antonio Reyes Barahona, 7) José León Arrazola Navarro, 8) Felipe Nery Valle Lozano, por ante la infrascrita Secretaría que da fe. Esta sesión se desarrollo de conformidad a la siguiente agenda: 1) comprobación del quórum. 2) aprobación de la agenda 3) el señor alcalde declara abierta la sesión 4) la secretaria dio lectura a la correspondencia recibida en la forma siguiente..... 5) Informe:..... 6) Asuntos Varios:..... 7) Acuerdos y Resoluciones: 8) La Honorable Corporación Municipal acordó y aprobó: Extenderle a la empresa G.A. ENERGY S.A. DE C.V., permiso para realizar estudio de la construcción de la represa hidro eléctrica del río Zingultapa de esta jurisdicción. 9) No habiendo mas de que tratar se levanto la sesión. F) David Castro Suarez, Alcalde Municipal. Bertha Otilia Vásquez. Javier Raudales Cruz. Manuel Ramón Torres Ortega. José Daniel Zuniga Elvir. Marden Roger Fúnez Calix. Miguel Antonio Moncada Sánchez. Pedro Antonio Reyes Barahona. José León Arrazola Navarro. Felipe Nery Valle Lozano Firma y sello de. Hedy Gissel Álvarez Montes. Secretaria Municipal.

ES CONFORME CON SU ORIGINAL


Se extiende la presente en la Ciudad de Cedros F.M., a los Diez y Nueve días del mes de Agosto del 2010


 Hedy Gissel Álvarez Montes
 Secretaria Municipal



Zehnd in nostra dominia

Attendance sheet for meeting #4:



Municipalidad de Palmar, Francisco Morazán

LISTADO DE PARTICIPANTES

ACTIVIDAD: Visita al proyecto hidroeléctrico Elano Santa Bárbara

Fecha: 5 de noviembre del 2010

No.	Nombre Completo	No. Tarjeta de Identidad	Procedencia	Firma
1	Ing. Antonio Gómez		Rio la Puerta	
2	Alba Ingrid Rodríguez	0803-17360032	San José de la Montaña	Alba Ingrid
3	Juan F. Mancía	0803-19610001	San José de la Montaña	Juan F. Mancía
4	Torge Alvarado López	0803-19570090	Volcán	Torge Alvarado
5	Marcelo Jiménez	0803-19500026	Rio la Puerta	Marcelo Jiménez
6	José Francisco Coto	0803-19500043	San José de la Montaña	José Francisco
7	Carlos Cealio Vasquez	0803-19540045	Rio la Puerta	Carlos Cealio
8	Rogelio Huelmo		Rio la Puerta	
9	Alejo Manuel Rocha	0803-19700066	Siquinabá	Alejo Rocha
10	Orlando Pavón	0803-19580033	San José de la Montaña	Orlando Pavón
11	Santos Abelardo Sánchez	0803-19440081	Siquinabá	Santos Sánchez
12	Ricci Mabel Mancía		San José de la Montaña	Ricci Mabel Mancía
13	Justo Dela Cruz	0803-19770069	San José de la Montaña	Justo Dela Cruz
14	Alan Mayra Llanusa	0803-19600036	Volcán	Alan Mayra
15	María Mercedes Martínez	1204-19610037	San José de la Montaña	María Mercedes


Municipalidad de Palmar, Francisco Morazán

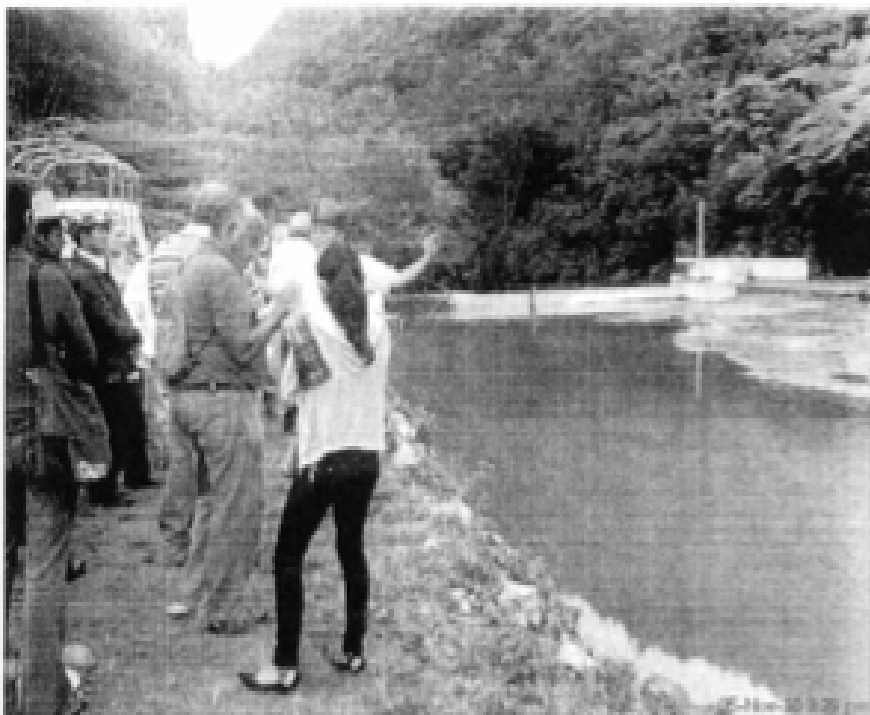
LISTADO DE PARTICIPANTES

ACTIVIDAD: Visita al proyecto hidroeléctrico Elano Santa Bárbara

Fecha: 5 de noviembre del 2010

No.	Nombre Completo	No. Tarjeta de Identidad	Procedencia	Firma
16	Laura Rosa Turría	0803-19760092	Siquinabá	Laura Rosa Turría
17	Elida Barahona	0803-19680038	Siquinabá	Elida Barahona
18	Augusto Cesar Dávila	0406193200813	San José de la Montaña	Augusto Dávila
19	Luis Carlos Contreras	0803-19590024	Volcán	Luis Carlos Contreras
20	Natelia Martínez		San José de la Montaña	Natelia Martínez
21	Carlos Sánchez	1204-19610063	Volcán	Carlos Sánchez
22	David Wagner Hernández	0803-195900203	Volcán	David Wagner
23	Damián Huelmo Torres	0803-195900206	Volcán	Damián Torres
24	Martín Espino Jucte	0803-196000113	Rio la Puerta	Martín Espino
25	Carlos Juan Torres	0803-19760060	Volcán	Carlos Juan Torres
26	Guillermo Barrios	1204-197500022	Volcán	Guillermo Barrios
27	Alfonso Véliz	0803-19590048	Volcán	Alfonso Véliz
28	Carlos Roberto Torres	0803-19590048	La Puerta	Carlos Roberto Torres

Pictures from meeting #5:




Área de Represa Proyecto CECECAPA Ilama Santa Barbara

Visita realizada con líderes comunitarios de: La Puerta, San José de las Moras, Zingulzapa, y autoridades principales de la alcaldía de Valledo F.M. el 5 de noviembre del 2010.



Área de Cuarto de Maquina, el recorrido se hizo con el grupo acompañados por el Ingeniero Marel, quien explico todo el proceso del proyecto e igual respondió a todas las interrogantes planteadas por los las personas de las comunidades en mención.

Attendance sheet for meeting #5:



Municipalidad de Valledupar, Cesar

LISTADO DE PARTICIPANTES

ACTIVIDAD: Visita al proyecto hidroeléctrico Elano Santa Bárbara

Fecha: 5 de noviembre del 2010

No.	Nombre Completo	No. Tarjeta de Identidad	Procedencia	Firma
1	Alcides Antonio Gómez		Rio la Puerta	
2	Alcides López Rodríguez	0803-172600082	San José de la Montaña	Alcides López
3	Ismael F. Mancía	0803-196100082	San José de la Montaña	Ismael F. Mancía
4	Torgeir M. Mendieta López	0803-195700280	Valledupar	Torgeir M. Mendieta
5	Marcelo Jiménez	0803-195000216	Rio la Puerta	Marcelo Jiménez
6	José Francisco Soto	0803-196000083	San José de la Montaña	José Francisco Soto
7	Carlos Cejudo Viquez	0803-195400458	Rio la Puerta	Carlos Cejudo
8	Ricardo Velez		Rio la Puerta	
9	Alejandro Manuel Sánchez	0803-197600560	Singuzapa	Alejandro Sánchez
10	Orlando Páez	0803-195800223	San José de la Montaña	Orlando Páez
11	Samuel Alberto Sánchez	0803-196000081	San José de la Montaña	Samuel Alberto Sánchez
12	Ricci Mabel Mancía		San José de la Montaña	Ricci Mabel Mancía
13	Antonio de la Cruz	0803-197100089	San José de la Montaña	Antonio de la Cruz
14	Ana Margot Valderrama	0803-196000236	Valledupar	Ana Margot Valderrama
15	María Mercedes Martínez	1006-1901-00317	San José de la Montaña	María Mercedes Martínez


Municipalidad de Valledupar, Cesar


LISTADO DE PARTICIPANTES

ACTIVIDAD: Visita al proyecto hidroeléctrico Elano Santa Bárbara

Fecha: 5 de noviembre del 2010
















No.	Nombre Completo	No. Tarjeta de Identidad	Procedencia	Firma
16	Ismael Pardo Torres	0803-197600392	Singuzapa	Ismael Pardo Torres
17	Elida Barahona	0803-196000238	Singuzapa	Elida Barahona
18	Augusto César Dávila	0803-197200083	San José de la Montaña	Augusto César Dávila
19	Leandro Contreras	0803-195900224	Valledupar	Leandro Contreras
20	Natela Martínez		San José de la Montaña	Natela Martínez
21	Carlos Sánchez	1901-1910-00113	Valledupar	Carlos Sánchez
22	David Valera Hender	0803-197000203	Valledupar	David Valera Hender
23	Diana Hely Torres	0803-196000206	Valledupar	Diana Hely Torres
24	Marlon Efraim Jurete	0803-196000213	Rio la Puerta	Marlon Efraim Jurete
25	César Juan Pardo	0803-197600080	Valledupar	César Juan Pardo
26	Guillermo Barrios	0803-197600082	Valledupar	Guillermo Barrios
27	Alfonso Elvira Valderrama	0803-197600084	Valledupar	Alfonso Elvira Valderrama
28	Carlos Fernando Torres	0803-197600085	Rio la Puerta	Carlos Fernando Torres


Assistance sheet from meeting #6:


Municipalidad de Vallarta, Francisco Morazan

LISTADO DE ASISTENCIA
















ACTIVIDAD: Reunión de Cabildo Abierto
Punto: Discusión y Análisis de Proyectos de Energía Renovable
Fecha: Viernes 28 de Octubre de 2010


Nº.	Nombre Completo	Comunidad	Firma
01	Dania Mast-Jones	Valeto	
02	Diego Alberto Padilla	Vallarta Sm.	
03	Paula Vasila Ramirez	La Union	
04	Aracilio Vasquez B.	Rio la Puerta	
05	Victor Adrian Navarro R.	Vallarta Pcs. Morazan	
06	Sancti Hermosillo Torres	San Cristobal	
07	Josema Renato Vito	T. de Guadalupe	
08	Walter Enrique Lopez	T. de Guadalupe	
09	Edi Fran Ramirez	T. de Guadalupe	
10	Sancti Hermosillo Torres	Sancti de la Cruz	
11	José Víctor Pineda	Vallarta	
12	Eleazar Pina Pina	Vallarta	
13	Fabiana Gonzalez	El Encino	
14	Roberto Martin	Rio de la Puerta	
15	Corrección Diaz	San Cristobal	


Municipalidad de Vallarta, Francisco Morazan

LISTADO DE ASISTENCIA

ACTIVIDAD: Reunión de Cabildo Abierto
Punto: Discusión y Análisis de Proyectos de Energía Renovable
Fecha: Viernes 28 de Octubre de 2010


Nº.	Nombre Completo	Comunidad	Firma
16	Gustavo Adolfo H	Santa Val	
17	Reni Delgado	El Encino Morazan	
18	Virginia Sanchez	Norero	
19	Jose de Jesus Ruiz	Rio Encino	
20	Jose Alvarado Lopez	Esc. Fro Morazan Vallarta	
21	Flaminio Lopez	Vallarta	
22	Salvador Lopez	Quetzalita	
23	Juana Ramirez	La Union	
24	Ros Martinez Escoto	San Cristobal	
25	Victor Hugo Sanchez Pineda	Barrio la Puerta	
26	Carolina Pineda	Rio Encino	
27	Carolina Ortiz	Rio Encino	
28	Patricia Ortiz	San Cristobal	
29	Andrés Francisco Valle	San Delicias	
30	Dania Medina Sosa	Rio la Puerta	


Municipalidad de Vallejo, Francisco Morazán

LISTADO DE ASISTENCIA

ACTIVIDAD: Reunión de Cabildo Abierto
Punto: Discusión y Análisis de Proyectos de Energía Renovable
Fecha: Viernes 29 de Octubre de 2010


No.	Nombre Completo	Comunidad	Firma
46	José Ramón Cardona	Vallecillo	José Ramón
47	Balduino O. Ramos	Rio de la puente	Balduino Ramos
48	Verónica Amaris Flores	Rio de la puente	Verónica
49	Ricardo Magaña	San Isidro	Ricardo Magaña
50	Yusef López	Guachipilán	Yusef López
51	Roberto Alberto Romera	Guachipilán	Roberto
52	Elvira Solís		
53	Elvira Solís	Vallecillo	
54	Edilberto Romera	Guachipilán	
55	José Darío Guevara Flores	San Isidro	J. Darío
56	Ruben Darío Roa	Vallecillo	Ruben Darío Roa
57	Javier Salazar Sanfiza	Vallecillo	Javier Salazar Sanfiza
58	Yusef López	Rio de la puente	Yusef López
59	Elvira Solís		
60	José Antonio Rodríguez	San Isidro	José Antonio


Municipalidad de Vallejo, Francisco Morazán

LISTADO DE ASISTENCIA









ACTIVIDAD: Reunión de Cabildo Abierto
Punto: Discusión y Análisis de Proyectos de Energía Renovable
Fecha: Viernes 29 de Octubre de 2010


No.	Nombre Completo	Comunidad	Firma
106	Edilio Canales	Vallecillo sm.	
107	José Daniel Valle	San Cristóbal	José Daniel Valle
108	Pedro Tuame	Vallecillo	Pedro
109	Francisco Martínez	Guachipilán	Francisco
110	Arturo Álvarez	Vallecillo	Arturo
111	Nicolás Domínguez	Vallecillo	Nicolás Domínguez
112	Andrés Rodríguez	Vallecillo	Andrés Rodríguez
113	Santiago Torres	Vallecillo	Santiago Torres
114	Carlos Julio Meléndez	Los Ríos	Carlos Julio Meléndez
115	Diego Yara Leizaola	SOLE (CA ENERGIJA)	Diego Yara Leizaola
116	Aldo Bove Tico	GENESSA	Aldo Bove Tico
117	Heberto García Ochoa	GENESSA	Heberto García Ochoa
118	Ing. Hugo Aguilar	CA ENERGIJA	Ing. Hugo Aguilar
119	Cesar Alberto Valdivia	Vallecillo	Cesar Alberto Valdivia


Municipalidad de Vallejo, Francisco Morazán

LISTADO DE ASISTENCIA

ACTIVIDAD: Reunión de Cabildo Abierto
Punto: Discusión y Análisis de Proyectos de Energía Renovable
Fecha: Viernes 25 de Octubre de 2020

No.	Nombre Completo	Comunidad	Firma
31	Luis Alonzo Gutierrez	San Jose de la mara	Luis ALONZO G
32	Nol Alalasco Alvarez	San Jose de la mara	Nol Alalasco Alvarez
33	Don Alexander Pantoja Sotelo	San Cristobal	
34	Don Nahum Murillo Ujio	San Cristobal	
35	Luis Ricardo Ramos Flores	Trinidad de Quevedos	
36	Fernando Antigua	Ensimal	Fernando Antigua
37	Diego Pina	Vallejo	
38	Carlos Sanchez	Vallejo	
39	Doris Medina	Vallejo	
40	Wilfredo Curbelo	Vallejo	
41	Fredy Velez	San Jose de la mara	Fredy Velez
42	Luisando Nolasco	Trinidad de Quevedos	Luisando Nolasco
43	Teodoro Turcios	Quevedos	Teodoro Turcios
44	Gonzalo Zola	Gua Blanca	
45	Edward Miranda	San Jose de la mara	Edward Miranda


Municipalidad de Vallejo, Francisco Morazán

LISTADO DE ASISTENCIA

ACTIVIDAD: Reunión de Cabildo Abierto
Punto: Discusión y Análisis de Proyectos de Energía Renovable
Fecha: Viernes 25 de Octubre de 2020









No.	Nombre Completo	Comunidad	Firma
41	Roberto Garcia	Gua Blanca	
42	Giovanny Montiel	Tuyugate	
43	María Alicia	San Cristobal	
44	Don Nolasco	San Cristobal	Don Nolasco
45	Enrique Fernando Alva	Vallejo	
46	Adrian Adrian Gargas	Vallejo	
47	Israel U. Salazar	San Cristobal	Israel U. Salazar
48	Marcelo Ramos Flores	Quevedos/Vallejo	
49	Xavier Gonzalez	Ensimal	Xavier Gonzalez
50	Ana Margaret Valladao	Vallejo	
51	Juan Mendez	Tulapito	JUAN MENDEZ
52	Carlos Zola	Vallejo	
53	Martha Ramos	Vallejo	Martha Ramos
54	Ofelia Mendoza	Vallejo	Ofelia Mendoza
55	León María Barragán	Galicias	León María Barragán

Image from meeting #6:



Apertura del Cabildo Abierto por la Alcaldesa de Vallecito, Lic. Eva de Lambour .29 de Octubre del 2010.

E.2. Summary of comments received

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Below are the main questions/comments that were raised by the participants during the question and answer period of these meetings:

1. Will the project affect the irrigation downstream?
2. Will the construction of the project pollute the river?
3. Will there be priority given to the labour in the surrounding communities?

E.3. Consideration of comments received


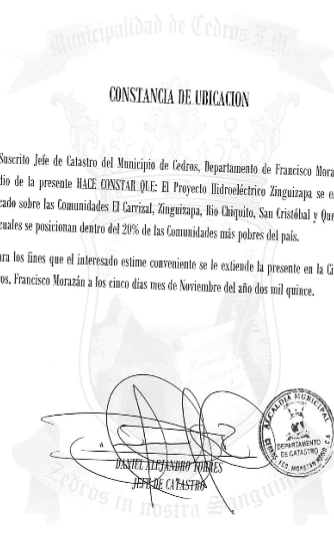

>>

1. The water intake and discharge channels will be located in land that is privately owned by G.A. Energy, therefore the water flow will remain the same at the banks of the river where there is some cultivation. The project owner also mentioned that the idea is to protect the water source even more with the project, so that hopefully there is even more water available downstream after the project is in operation. The project owner also mentioned that G.A. Energy will be introducing a greenhouse with endemic species that will be available to the members of the local community.
2. No, the EIA mentions that it is forbidden to throw pollutants into the river, and also the company is promoting the environmental-friendly construction and operation of the plant.
3. Yes. It only makes sense for us to hire local people for skilled and non-technical labour that the project needs during its construction and operation phase. We have already spoken with the community council and agreed that this would be the case for the project.

SECTION F. Eligibility for inclusion

No	Eligibility criterion - Category	Eligibility criterion - Required condition	Supporting evidence for inclusion	Description of this CPA in relation to the criterion and supporting evidence
1	Methodology	The plant is a newly installed hydroelectric power plant in Honduras, a country included in the PoA boundary.	- Project Feasibility Studies Project - Commissioning statement from national utility	In line with the technical description of the project, the project will be installed in Honduras.
2	Methodology	The plant is newly built and does not involve the retrofitting or modification of an existing facility for renewable energy generation.	- Project Feasibility Studies	In line with the technical description of the project.
3	Methodology	The plant has no energy generating equipment which is transferred from another activity and no existing equipment is transferred to another activity;	- Project Feasibility Studies	Since it is a Greenfield project, no existing equipment will be transferred.
4	Methodology	The plant has an installed capacity less than 15MW.	- Project Feasibility Studies - PPA	As per the technical description of the project.
5	Methodology	The plant has a power density of no less than 4 W/m ² (for projects with reservoir).	- Project Feasibility Studies	The project does not include a reservoir with the capacity of storage of "energy" as it is a run-of-the-river project. There is no reservoir, and flooding area, related to the development of the project.
6	Methodology	The plant connects to the National Electricity Grid of the host country, the SIN (Sistema Interconectado Nacional).	- Project Feasibility Studies - PPA	The transmission line will connect to a <u>substation</u> , point of delivery to the grid. The sub-station is located in the El Volcan community, in the Department of Comayagua.

No	Eligibility criterion - Category	Eligibility criterion - Required condition	Supporting evidence for inclusion	Description of this CPA in relation to the criterion and supporting evidence
7	Methodology	The plant is not the result of the CPA implementer seriously considering grid connected electricity generation with a different technology as an alternative to the project.	- Project Feasibility Studies	This is supported by a written statement by the CPA implementer.
8	CDM Requirement	No ODA funds from Annex I countries will be used for the development of the project.	- Written statement from project owner	This is supported by a written statement by the project owner.
9	Methodology	The project shall comply with the latest version of the "Guidelines on Assessment of Debundling for SSC Project Activities".	- This can be crosschecked with the PDD published for validation and registered under the UNFCCC webpage.	The project participant of the CPA, is not participating together in any other hydro power plant under validation or registered in Honduras. The CPA implementer is developing its first hydropower project. This can be crosschecked with the PDD published for validation and registered under the UNFCCC webpage.
10	CDM Requirement	The project shall not seek registration in other emission reduction schemes, or as a stand-alone project under the CDM, neither being included in other programme of activities to avoid any possibility of double counting.	- Carbon development agreement between project owner and carbon developer	This is assured through the signature of the a carbon development agreement with the carbon credit developer, which provides exclusivity of the carbon credits to one entity.
11	Additionality	Shall demonstrate additionality in line with the requirements of the latest	- Sworn statement from nearest municipal government - Published	The project is utilizing Microscale Additionality because it meets the following criteria: 1. It is in a special underdeveloped zone (SUZ)

No	Eligibility criterion - Category	Eligibility criterion - Required condition	Supporting evidence for inclusion	Description of this CPA in relation to the criterion and supporting evidence
		versions of the "Guidelines on the Demonstration of Additionality of Small-Scale Project Activities" or, if applicable, with the "Guidelines for Demonstrating Additionality of Microscale Project Activities".	poverty figures from the National Statistics Institute	<p>of the host country</p> <p>2. The GNI per capita in the country is less than USD , 3000 and the population of the region is among the poorest 20 per cent in the poverty ranking of the host country as per the applicable national policies and procedures .</p> <p>3. The GNI per capita of Honduras can be referenced here: http://data.worldbank.org/country/honduras</p> <p>4. The nearest municipality has submitted a sworn statement indicating that the project activity is in a rural area:</p> <p> MUNICIPALIDAD DE CEDROS FRANCISCO MORAZÁN, REPÚBLICA DE HONDURAS TEL.: 2768-1103, 2768-1145, 2768-1023, FAX: 2768-1029 E-mail: municipalidadcedros@hotmail.com</p> <p></p> <p>CONSTANCIA DE UBICACION</p> <p>El Suscrito Jefe de Catastro del Municipio de Cedros, Departamento de Francisco Morazán, por medio de la presente HACE CONSTAR QUE: El Proyecto Hidroeléctrico Zanguizapa se encuentra ubicado sobre las Comunidades El Carrizal, Zanguizapa, Río Chiquito, San Cristóbal y Quebraditas las cuales se posicionan dentro del 20% de las Comunidades más pobres del país.</p> <p>Y para los fines que el interesado estime conveniente se le exhibe la presente en la Ciudad de Cedros, Francisco Morazán a los cinco días mes de Noviembre del año dos mil quince.</p> <p> DANIEL ALEJANDRO TORRES JEFE DE CATASTRO</p> <p><i>Zedros in nostra sanguinis</i></p> <p>5. The National Statistics Institute of Honduras specifies that the rural areas of the country are the most impoverished: http://www.ine.gob.hn/index.php/component/content/article?id=91</p>
12	Prior	The start date of	- Copy of invoice	The start date of the CPA is

No	Eligibility criterion - Category	Eligibility criterion - Required condition	Supporting evidence for inclusion	Description of this CPA in relation to the criterion and supporting evidence														
	Consideration	the CPA shall not be before start date of the PoA.	for machinery purchase	October 27, 2011, date which the project ordered the electromechanical equipment, which is after the start of the programme, on 13/04/2011.														
13	Local Stakeholder Consultation	The CPA must have undertaken the local stakeholder consultation process before inclusion into the programme and must comply with environmental approval requirements of the host country.	- Copies of attendance sheets, advertisements announcing local stakeholder consultation, pictures from consultations and records for questions and answers from consultations.	<div>Local stakeholder consultations for the Zinguizapa project took place on the following dates and locations:</div> <table><tr><th>Date</th><th>Location</th></tr><tr><td>01/04/2009</td><td>Vallecitllos Community Municipal Building</td></tr><tr><td>17/07/2010</td><td>El Carrizal Village</td></tr><tr><td>17/07/2010</td><td>Trinidad de Quebradas Village</td></tr><tr><td>17/08/2010</td><td>Cedros Municipality Municipal Building</td></tr><tr><td>05/11/2010</td><td>CECECAPA HPP ,located near the municipality of Ilima, in the department of Santa Barbara, Honduras</td></tr><tr><td>29/10/2010</td><td>Vallecillos Municipal Building</td></tr></table>	Date	Location	01/04/2009	Vallecitllos Community Municipal Building	17/07/2010	El Carrizal Village	17/07/2010	Trinidad de Quebradas Village	17/08/2010	Cedros Municipality Municipal Building	05/11/2010	CECECAPA HPP ,located near the municipality of Ilima, in the department of Santa Barbara, Honduras	29/10/2010	Vallecillos Municipal Building
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05/11/2010	CECECAPA HPP ,located near the municipality of Ilima, in the department of Santa Barbara, Honduras																	
29/10/2010	Vallecillos Municipal Building																	
14	Methodology	The CPA shall meet the small-scale or micro scale threshold criteria and remain within those thresholds throughout the crediting period of the CPA.	- Project Feasibility Studies - PPA	The project activity will remain with an installed capacity below the threshold over throughout the crediting period. No expansion is foreseen for the project as per the project documentation.														

Appendix 1. Contact information of CPA implementers

Organization name	G.A. Energy S.A. de C.V.
Country	Honduras
Address	Las Torres, Calle Principal, contiguo a posta policial
Telephone	504 2234-3752
Fax	
E-mail	lflores@gaenergy.hn
Website	
Contact person	Lessy Flores

Organization name	Anaconda Carbon S.A.
Country	Honduras
Address	3 calle 2 Ave S.O., Edificio Martinez Valenzuela #605, San Pedro Sula
Telephone	504-2550 0387
Fax	504-2550 0387
E-mail	info@anacondacarbon.com
Website	www.anacondacarbon.com
Contact person	Christian Giles

Organization name	Carbonbay GmbH & Co. KG
Country	Germany
Address	Admiralitaetstrasse 55 Koreastraße 7, 20457 Hamburg
Telephone	(+49 40 37004 846 +49 40 37004 7847
Fax	(+49) 40 37004 829 +49 40 37004 7274
E-mail	Henning.huenteler@carbonbay.com wolfgang.brueckner@carbonbay.com
Website	www.carbonbay.com
Contact person	Henning Huenteler Wolfgang Brückner

Appendix 2. Affirmation regarding public funding

Not applicable.

Appendix 3. Further background information on ex ante calculation of emission reductions

Not applicable.

Appendix 4. Further background information on monitoring plan

Not applicable.

Appendix 5. Summary report of comments received from local stakeholders

Not applicable.

Appendix 6. Summary of post-registration changes**Corrections as per Project Standard Version 09.0 (Appendix 1) :**

- Information regarding installed capacity of generators has been included.

Revision of Monitoring Plan as per Project Standard Version 09 (Appendix 1)

- Details regarding location of meters have been corrected*
- Information regarding the frequency of the calibration stipulated in the PPA has been removed.*

*Paragraph 5, section a, c and e is applicable as changes in these matters were beyond the control of the project participant and the CME.

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Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
08.1	20 October 2017	Editorial revision to remove appendix “Applicability of methodologies and standardized baselines” from the main part of the form which had been mistakenly kept in the previous version.
08.0	28 June 2017	Revision to: <ul style="list-style-type: none"> • Remove appendix “Applicability of methodologies and standardized baselines” as the appendix is not relevant at the CPA level; • Make editorial improvement.
07.0	7 June 2017	Revision to: <ul style="list-style-type: none"> • Improve consistency with the “CDM project standard for programmes of activities” and with the PDD and PoA-DD forms; • Make editorial improvement.
06.0	24 May 2017	Revision to: <ul style="list-style-type: none"> • Ensure consistency with the “Standard: CDM project standard for programme of activities” (CDM-EB93-A07-STAN) (version 01.0); • Incorporate the “Component project activity design document form for small-scale component project activities” (CDM-SSC-CPA-DD-FORM); • Make editorial improvement.
05.0	15 April 2016	Revision to ensure consistency with the “Standard: Applicability of sectoral scopes” (CDM-EB88-A04-STAN) (version 01.0).
04.0	9 March 2015	Revision to: <ul style="list-style-type: none"> • Include provisions related to statement on erroneous inclusion of a CPA; • Include provisions related to delayed submission of a monitoring plan; • Provisions related to local stakeholder consultation; • Provisions related to the Host Party; • Make editorial improvement.
03.0	25 June 2014	Revisions to: <ul style="list-style-type: none"> • Include the Attachment: Instructions for filling out the component project activity design document form for CDM component project activities (these instructions supersede the “Guidelines for completing the component project activity design document form” (Version 01.0)); • Include provisions related to standardized baselines; • Add contact information on a CPA implementer and/or responsible person/ entity for completing the CDM-CPA-DD-FORM in A.13. and Appendix 1; • Add general instructions on post-registration changes in paragraph 4 and 5 of general instructions and Appendix 6;

<i>Version</i>	<i>Date</i>	<i>Description</i>
		<ul style="list-style-type: none">• Change the reference number from F-CDM-CPA-DD to CDM-CPA-DD-FORM;• Make editorial improvement.
02.0	13 March 2012	Revision required to ensure consistency with the "Guidelines for completing the component project activity design document form" (EB 66, Annex 16).
01.0	27 July 2007	EB 33, Annex 42 Initial adoption.
Decision Class: Regulatory Document Type: Form Business Function: Registration Keywords: component project activity, project design document		