



Monitoring report form for CDM project activity
(Version 07.0)

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

MONITORING REPORT

Title of the project activity	Choloma Hydroelectric Project	
UNFCCC reference number of the project activity	9306	
Version number of the PDD applicable to this monitoring report	3.4	
Version number of this monitoring report	1	
Completion date of this monitoring report	12/07/2019	
Monitoring period number	2 nd monitoring period of the 1 st Crediting Period	
Duration of this monitoring period	01/01/2016 to 31/12/2018 36 months	
Monitoring report number for this monitoring period	N/A	
Project participants	Hidroeléctrica Choloma, S.A.	
Host Party	Guatemala	
Applied methodologies and standardized baselines	AMS-ID: Grid connected renewable electricity generation, version 17.0	
Sectoral scopes	Sectoral scope: 1. Energy industries (renewable- / non-renewable sources)	
Amount of GHG emission reductions or net anthropogenic GHG removals achieved by the project activity in this monitoring period	Amount achieved before 1 January 2013	Amount achieved from 1 January 2013
	0	40,517 tCO ₂ e
Amount of GHG emission reductions or net anthropogenic GHG removals estimated ex ante for this monitoring period in the PDD	56,778 tCO ₂ e	

SECTION A. Description of project activity

A.1. General description of project activity

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(a) Purpose of the project activity and the measures taken for GHG emission reductions

The purpose of the proposed project activity is to generate electricity using renewable hydrological resources and to deliver the generated output to the national grid. The electricity produced contributes to meet the electricity demand and reduces CO₂ emissions by avoiding electricity generation by fossil fuel-fired power plants connected to the grid.

(b) Brief description of the installed technology and equipment

The project activity consists of a small-scale hydroelectric plant with an installed capacity of 9.7 MW¹. It has a gross head of 461 meters, and a design flow of 2.5 cubic meters per second. The powerhouse is equipped with a 9.577 MW turbine and a 9.7 MW generator.

Further information about this project can be found in the PDD and documents associated, which are available on UNFCCC website:

<http://cdm.unfccc.int/Projects/DB/AENOR1356628448.64/view>

(c) Relevant dates for the project activity (e.g. construction, commissioning, continued operation periods, etc.)

- Starting date: 24/06/2010²
- Commissioning tasks: October and November 2011
- Starting of commercial operations: 11/12/2011
- Registration of CDM project activity: 28/12/2012
- Starting of the first crediting period: 01/01/2013

(d) Total GHG emission reductions achieved in this monitoring period

The calculation of the emissions reductions is based on the validated and registered PDD, and the parameters specified in the monitoring plan.

The total emission reductions achieved during the 2nd monitoring period from 01/01/2016 to 31/12/2018 is 40,517 tCO₂e.

A.2. Location of project activity

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- (a) Host Party: Guatemala
- (b) Department: Alta Verapaz
- (c) Municipality: Senahú
- (d) Coordinates: 15.41656531, -89.74165110

The Choloma Hydroelectric Project is located on the Choloma River, in the Department (State) of Alta Verapaz, around 200 kilometres North-east of Guatemala City.

¹ As indicated by the manufacturer in the nameplate of the electrical generator.

² According to the contract for "Supply, Start-up and Testing of Turbine, Generator, Controls and Associated Equipment" with Gilbert Gilkes & Gordon Ltd. (Gilkes).

Figure 1 shows a map identifying the general location of the project:

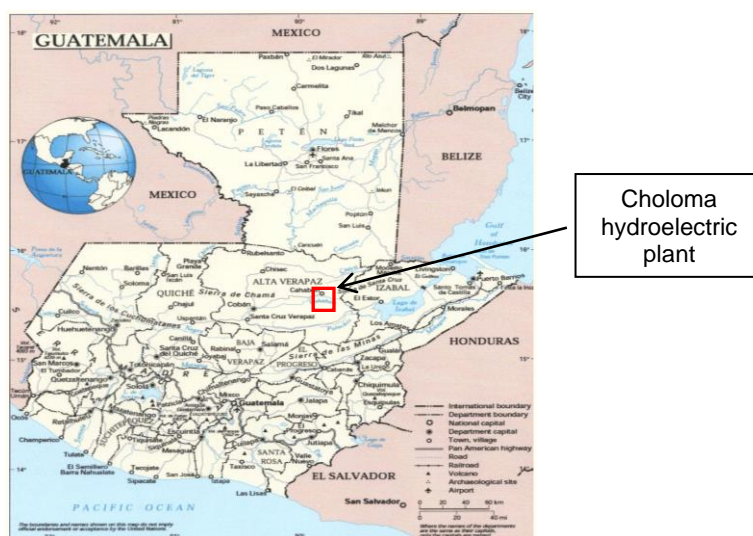


Fig. 1. Choloma Hydroelectric Project location

A.3. Parties and project participants

Parties involved	Project participants	Indicate if the Party involved wishes to be considered as project participant (Yes/No)
Guatemala (host)	Hidroeléctrica Choloma, S.A. (private)	No

A.4. References to applied methodologies and standardized baselines

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The project activity does not use a standardized baseline.

(a) Emission reductions were calculated in accordance with the Monitoring Plan established as per approved methodology: Grid connected renewable electricity generation, version 17.0. (<http://cdm.unfccc.int/methodologies/DB/RSCTZ8SKT4F7N1CFDXCSA7BDQ7FU1X>)

(b) Guidelines on the Demonstration of Additionality of Small-Scale Project Activities (EB 68 Annex 27) were applied when the project activity was registered. https://cdm.unfccc.int/Reference/Guidclarif/meth/methSSC_guid05.pdf

A.5. Crediting period type and duration

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Type: Renewable crediting period (7 years x 3)

Starting date: 01/01/2013

Length: 7 years

Crediting period: 01/01/2013 to 31/12/2019

SECTION B. Implementation of project activity

B.1. Description of implemented project activity

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The Choloma Hydroelectric Project, that started commercial operations in November 2011, was designed as a peaking or daily regulation plant. It includes a small artificial reservoir (water storage tank) with a capacity of 20,000 cubic meters of live storage volume that allows water storage during daily low demand hours, which is then released during daily peak demand hours.

Water from the Choloma River and its tributaries is conducted to the water storage tank through the low-pressure system. It consists in small water diversion dams built at each of the tributaries and the Choloma river, and the low-pressure buried pipes that lead the water to the storage tank.

The Choloma Hydroelectric Project has a gross head of 461 meters, and a design flow of 2.5 cubic meters per second. The powerhouse is equipped with a 9.577 MW turbine, and a 9.7 MW generator. The water used is returned to the original river basin downstream.

Outside of the powerhouse an electrical switchyard is installed. It contains the main step-up transporter and related switchgear. A 4-kilometer long 69-kilovolt-transmission line connects the Choloma substation with the Secacao substation, from where the net electricity produced by the project is delivered to the Guatemalan transmission grid. The electricity metering equipment is installed at the Secacao substation.

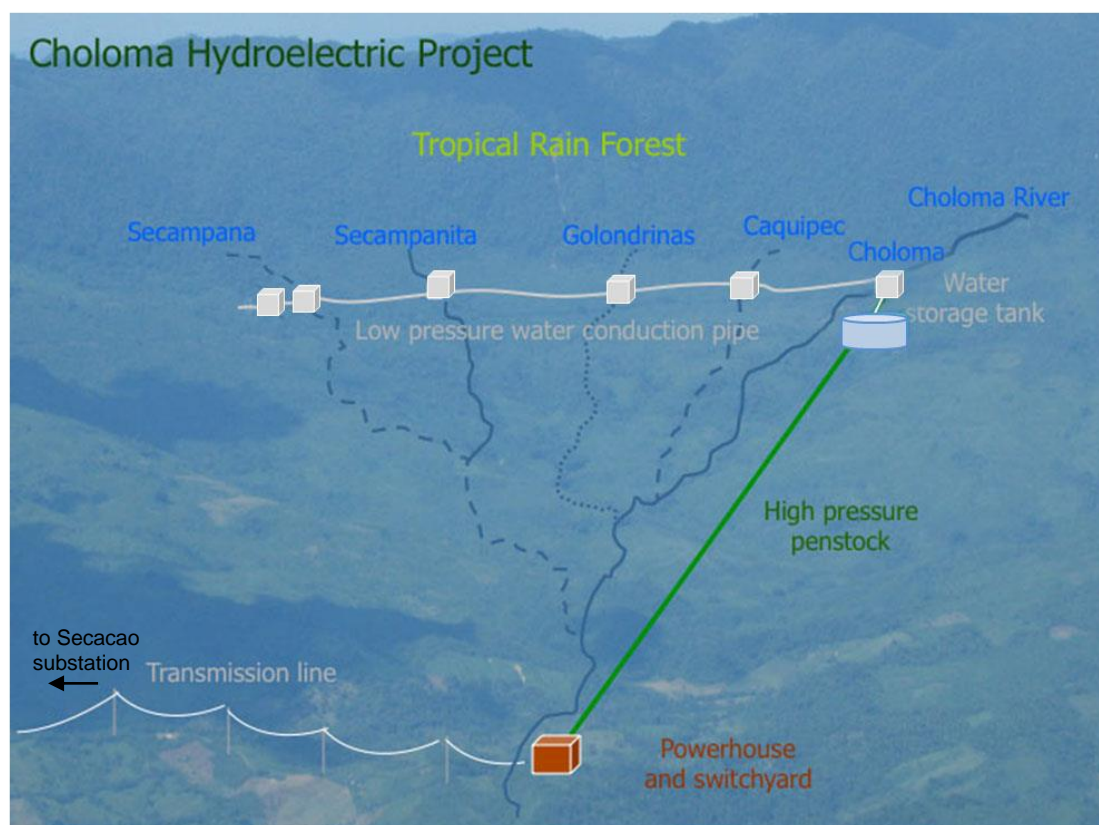


Figure 1 Choloma's layout

Every year, the Operations Management executes the annual programmed maintenance between March and May. On 2016, the annual programmed maintenance started on April 14 and finished on April 22; on 2017, it started on March 29 and finished on April 3; and on 2018, it started on April 4 and finished on April 10.

During this monitoring period, no event occurred that could have affected the monitored data and parameters.

New commercial main and backup meters were installed on May 1, 2017, in line with the stipulations described in the Commercial Coordination Norm, No. 14, (NCC-14) issued by the Wholesale Market Administrator. Old meters were changed to get more modern equipment that improves communication features.

New meters features are shown in the following table:

Choloma's Main Meter Features	Choloma's Support Meter Features
<ul style="list-style-type: none"> • Model: ION8650 • Brand: Power Logic • Serial number: F-76199 	<ul style="list-style-type: none"> • Model: ION8650 • Brand: Power Logic • Serial number: F-76200

No electric generation equipment has changed since Choloma Hydroelectric Project began operations on 2011. The plant continues operating with the same electric generation equipment as indicated in the registered PDD.

B.2. Post-registration changes

B.2.1. Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents

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Not applicable.

B.2.2. Corrections

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Not applicable.

B.2.3. Changes to the start date of the crediting period

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The starting date of the crediting period indicated in the registered PDD was changed and approved by the Executive Board from 01/03/2013 to 01/01/2013.

B.2.4. Inclusion of monitoring plan

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Not applicable.

B.2.5. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other methodological regulatory documents

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Not applicable.

B.2.6. Changes to project design

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Not applicable.

B.2.7. Changes specific to afforestation or reforestation project activity

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Not applicable.

SECTION C. Description of monitoring system

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The monitoring plan comprises the compilation and filling of all relevant data needed to estimate the emissions reductions by the CDM project activity. Its objective is to assure the complete, consistent, clear, and accurate monitoring and calculation of emissions reductions within the project activity boundaries, during this monitoring period; according to version 17 of the 'Simplified baseline methodologies for selected small-scale CDM project activity'.

Data and parameters monitored are the following:

Data / Parameter:	Description:	Measured/ Calculated /Default	Purpose:
$EG_{facility,y}$	Quantity of net electricity supplied to the grid in year y	Measured	Calculation of baseline emissions
Cap_{PJ}	Installed capacity of the hydro power plant after the implementation of the project activity	Default (verified)	Assurance that power density is greater than 10 W/m ²
A_{PJ}	Area of the multiple reservoirs measured in the surface of the water, after the implementation of the project activity, when the reservoir is full (m ²)	Default (checked)	Assurance that power density is greater than 10 W/m ²
$EF_{CO2,y}$	CO ₂ emission factor of the grid electricity in year y	Calculated	Calculation of the baseline emissions
$EG_{m,y}$ and $EG_{k,y}$	Net electricity generated by power plant/unit in year y	Default	Calculation of the CO ₂ emission factor of the grid in year y
$EF_{CO2,m,i,y}$	CO ₂ emissions factor of fuel type i , used in generating units m and k	Default	Calculation of the CO ₂ emission factor of the grid in year y
$\eta_{m,y}$ and $\eta_{k,y}$	Average net energy conversion efficiency of power unit m or k in year y	Default	Calculation of the CO ₂ emission factor of the grid in year y

Next figure shows the location of the monitoring points of data and parameters monitored within the project activity boundaries:

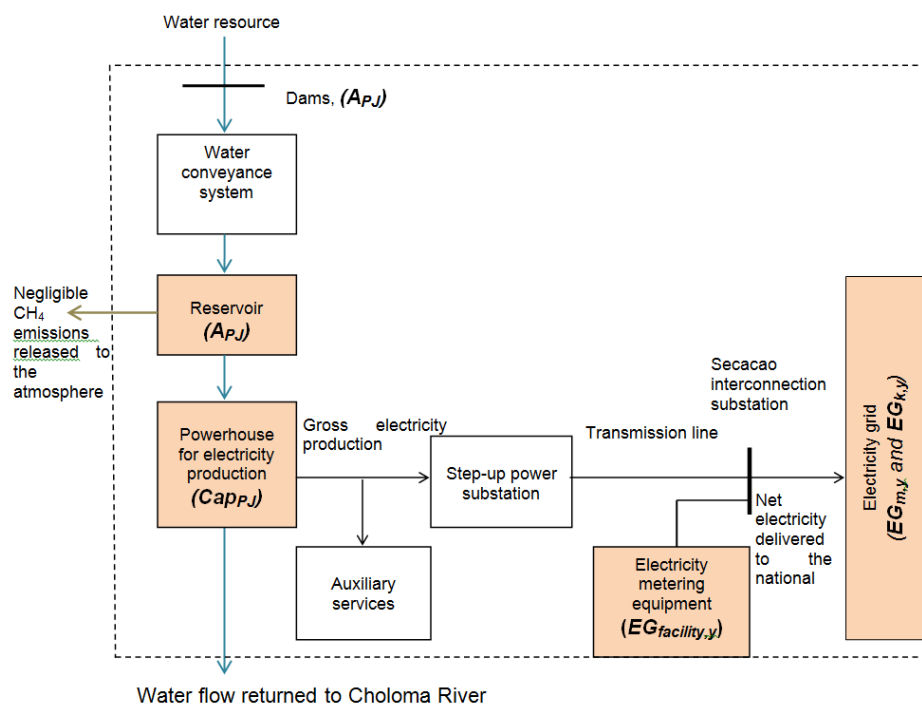


Figure 2 Location of monitoring points

The monitoring system involves different processes. Each process is fed by an input and consists of a series of activities that produce a result or output. The following chart illustrates how the monitoring processes are interrelated:

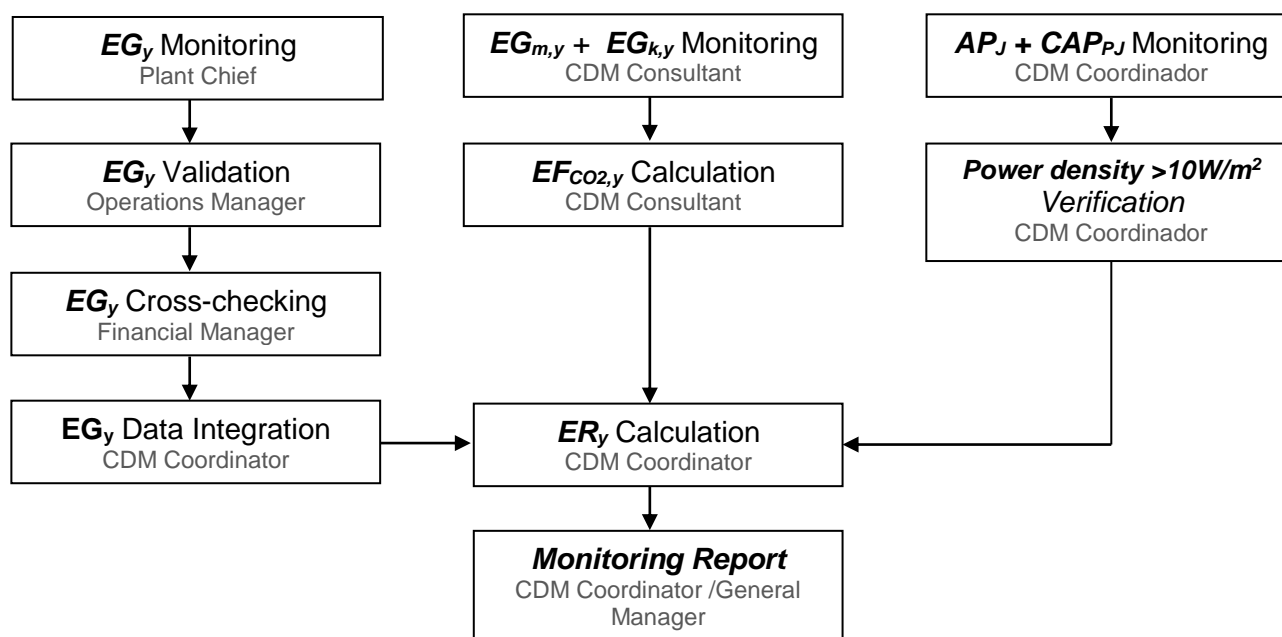


Figure 3 Monitoring system processes

Responsible personnel

The following table describes the responsibilities assigned to the personnel in charge of the monitoring process.

Personnel	Responsibilities
General Manager	<ul style="list-style-type: none"> Responsibility of the monitoring plan Authorization to submit monitoring plans to DOE Authorization to contract CDM consultants for training, validation and verification activities Assignment of the personnel in charge of quality control and internal audits DOE and consultants contracting Review of CDM process Revision of monitoring reports
CDM coordinator	<ul style="list-style-type: none"> CDM process coordination: assessment of CDM training requirements, planning of CDM training activities, coordination of meetings to revise process, etc. Revision and verification of monitoring parameters data Calculation of baseline emissions, project activity emissions and emission reductions Formulation of monitoring reports Documentation of monitoring processes for verification audits Data storing in hard and electronic
Plant chief / Operations Manager	<ul style="list-style-type: none"> Parameters monitoring in power plant site Data registration and validation Assignment of monitoring activities to plant personnel
Commercial analyst (Financial Manager)	<ul style="list-style-type: none"> Review (cross-checking) of data from electricity meters against the commercial data

SECTION D. Data and parameters**D.1. Data and parameters fixed ex ante**

There are not parameters fixed ex ante.

D.2. Data and parameters monitored

(Copy this table for each data or parameter.)

Data/Parameter	$EG_{facility,y}$																								
Unit	MWh																								
Description	Quantity of net electricity supplied to the grid in year y.																								
Measured/calculated/default	Measured																								
Source of data	Electricity meters																								
Value(s) of monitored parameter	<table border="1"> <thead> <tr> <th>Year</th><th>$EG_{facility,y}$</th></tr> </thead> <tbody> <tr> <td>2016</td><td>24,758 MWh</td></tr> <tr> <td>2017</td><td>31,281 MWh</td></tr> <tr> <td>2018</td><td>28,460 MWh</td></tr> </tbody> </table> <p>Hourly readings from 01/01/2016 to 31/12/2018 and their integration are shown in Excel spreadsheet titled '<i>Energy data and CERs calculations – 2nd MP – 1st CP</i>'.</p>	Year	$EG_{facility,y}$	2016	24,758 MWh	2017	31,281 MWh	2018	28,460 MWh																
Year	$EG_{facility,y}$																								
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Monitoring equipment	<p>From 01/01/2016 to 30/04/2017</p> <table border="1"> <thead> <tr> <th></th><th>Main meter</th><th>Back-up meter</th></tr> </thead> <tbody> <tr> <td>Model</td><td>KV2c</td><td>KV2c</td></tr> <tr> <td>Manufacturer</td><td>General Electric</td><td>General Electric</td></tr> <tr> <td>Serial number</td><td>50 249 488</td><td>50 249 489</td></tr> </tbody> </table> <p>From 01/05/2017 to 31/12/2018</p> <table border="1"> <thead> <tr> <th></th><th>Main meter</th><th>Back-up meter</th></tr> </thead> <tbody> <tr> <td>Model</td><td>ION8650</td><td>ION8650</td></tr> <tr> <td>Manufacturer</td><td>Power Logic (Schneider Electric)</td><td>Power Logic (Schneider Electric)</td></tr> <tr> <td>Serial number</td><td>F-76199</td><td>F-76200</td></tr> </tbody> </table>		Main meter	Back-up meter	Model	KV2c	KV2c	Manufacturer	General Electric	General Electric	Serial number	50 249 488	50 249 489		Main meter	Back-up meter	Model	ION8650	ION8650	Manufacturer	Power Logic (Schneider Electric)	Power Logic (Schneider Electric)	Serial number	F-76199	F-76200
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Serial number	F-76199	F-76200																							
Measuring/reading/recording frequency	Data monitored continuously, measured hourly and daily, and recorded hourly, daily, monthly and yearly.																								
Calculation method (if applicable)	Not applicable.																								
QA/QC procedures	<ul style="list-style-type: none"> A quality management system was implemented and procedures are followed for the monitoring, measuring, and recording of the net electricity delivered to the grid. A cross-check procedure is followed, in which the monitored data is compared monthly with the commercial data (electricity invoices or AMM's Monthly Transactions Report), and the monitored data is compared with the data registered manually by the plant operator. The Wholesale Market Administrator is in charge of verifying the commercial meters and associated installations of the producer agent at least once a year, in order to guarantee the precision and quality required. If the results of the verification show inaccuracy and imprecision in the energy measurement, then the producer agent is notified and a corrective action (defined in the NCC-14) should be taken. Additionally, as an internal quality control procedure, in order to guarantee the precision and quality required, a verification of the calibration of both commercial meters used in Choloma Hydroelectric Project is executed periodically, by a metrology lab. 																								
Purpose of data/parameter	Data used to calculate baseline emissions.																								
Additional comments	Not applicable																								

Data/Parameter	Cap_{PJ}
Unit	W
Description	Installed capacity of the hydro power plant after the implementation of the project activity.
Measured/calculated/default	Default
Source of data	Generator nameplate
Value(s) of monitored parameter	9.7 X 10 ⁶
Monitoring equipment	Not applicable
Measuring/reading/recording frequency	Annually
Calculation method (if applicable)	Not applicable
QA/QC procedures	A control data sheet of a visual verification of the generator nameplate on site is completed and followed.
Purpose of data/parameter	The installed capacity will be checked in order to assure that the power density is greater than 10 W/m ² .
Additional comments	Not applicable

Data/Parameter	A_{PJ}																		
Unit	m ²																		
Description	Area of the multiple reservoirs measured in the surface of the water, after the implementation of the project activity, when the reservoir is full (m ²)																		
Measured/calculated/default	Default																		
Source of data	Power plant site																		
Value(s) of monitored parameter	<table border="1"> <thead> <tr> <th>Reservoir</th><th>Area of the reservoir</th></tr> </thead> <tbody> <tr> <td>Secampana I diversion dam</td><td>137.21 m²</td></tr> <tr> <td>Secampana II diversion dam</td><td>145.01 m²</td></tr> <tr> <td>Secampanita diversion dam</td><td>85.95 m²</td></tr> <tr> <td>Caquiepec diversion dam</td><td>43.93 m²</td></tr> <tr> <td>Golondrinas diversion dam</td><td>115.2 m²</td></tr> <tr> <td>Choloma diversion dam</td><td>397.23 m²</td></tr> <tr> <td>Reservoir-tank</td><td>2,827.44 m²</td></tr> <tr> <td>Total area</td><td>3,751.97 m²</td></tr> </tbody> </table>	Reservoir	Area of the reservoir	Secampana I diversion dam	137.21 m ²	Secampana II diversion dam	145.01 m ²	Secampanita diversion dam	85.95 m ²	Caquiepec diversion dam	43.93 m ²	Golondrinas diversion dam	115.2 m ²	Choloma diversion dam	397.23 m ²	Reservoir-tank	2,827.44 m ²	Total area	3,751.97 m ²
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Total area	3,751.97 m ²																		
Monitoring equipment	Not applicable																		
Measuring/reading/recording frequency	Annually																		
Calculation method (if applicable)	Not applicable																		
QA/QC procedures	A control data sheet is completed and followed, checking of design maps with level curves and borders of each reservoir and verifying that the structures of dams and dimensions of tank have not changed.																		
Purpose of data/parameter	The surface area of the reservoirs will be checked in order to assure that the power density is greater than 10 W/m ² .																		
Additional comments	Not applicable																		

Data/Parameter	EF_{CO2,y}
Unit	t CO ₂ e/MWh
Description	CO ₂ emission factor of the grid electricity in year y

Measured/calculated/default	Calculated								
Source of data	<ul style="list-style-type: none"> Electricity generation data per power plant and demand curve: AMM's reports, www.amm.org Default values for emission factors of fossil fuels: IPCC Guidelines 2006 Default efficiencies values for power plant/unit: 'Tool to calculate the emission factor for an electricity system'. 								
Value(s) of monitored parameter	<table border="1"> <thead> <tr> <th>Year</th><th>$EF_{CO_2,y}$</th></tr> </thead> <tbody> <tr> <td>2016</td><td>0.588</td></tr> <tr> <td>2017</td><td>0.456</td></tr> <tr> <td>2018</td><td>0.411</td></tr> </tbody> </table> <p>Details of the calculation are shown in Excel spreadsheets titled '2016 EF Calculation', '2017 EF Calculation', and '2018 EF Calculation'.</p>	Year	$EF_{CO_2,y}$	2016	0.588	2017	0.456	2018	0.411
Year	$EF_{CO_2,y}$								
2016	0.588								
2017	0.456								
2018	0.411								
Monitoring equipment	Not applicable								
Measuring/reading/recording frequency	Annually								
Calculation method (if applicable)	Annual calculation of the combined margin (CM), consisting of the combination of operating margin (OM) and build margin (BM) according to the procedures prescribed in the 'Tool to calculate the emission factor for an electricity system'.								
QA/QC procedures	Use of official data sources.								
Purpose of data/parameter	Calculation of the baseline emissions.								
Additional comments	Not applicable								

Data/Parameter	$EG_{m,y}$ and $EG_{k,y}$
Unit	MWh
Description	Net electricity generated by power plant/unit in year y
Measured/calculated/default	Default
Source of data	Electricity generation data per power plant/unit: AMM's Generation Reports, www.amm.org .
Value(s) of monitored parameter	See attached Excel spreadsheets titled: <ul style="list-style-type: none"> '2016 EF Calculation' '2017 EF Calculation' '2018 EF Calculation'
Monitoring equipment	Not applicable
Measuring/reading/recording frequency	These values are determined annually during the crediting period for the relevant year as per the 'Tool to calculate the emission factor for an electricity system'.
Calculation method (if applicable)	Not applicable
QA/QC procedures	Use of official data sources.
Purpose of data/parameter	Calculation of the CO ₂ emission factor of the grid electricity in year y
Additional comments	Not applicable

Data/Parameter	$EF_{CO_2,m,i,y}$
Unit	tCO ₂ /TJ
Description	CO ₂ emissions factor of fuel type i , used in generating units m and k .
Measured/calculated/default	Default
Source of data	IPCC Guidelines 2006, chapter I, volume 2 (Energy)

Value(s) of monitored parameter			tCO ₂ /TJ
		Diesel or fuel oil No. 5	72.6
		Bunker or fuel oil No. 6	75.5
		Bituminous coal	89.5
Monitoring equipment	Not applicable		
Measuring/reading/recording frequency	Not applicable		
Calculation method (if applicable)	Default values for emission factors of fossil fuels at the lower limit of the uncertainty at 95% of confidence interval are used annually during the crediting period for the relevant year, in accordance to the 'Tool to calculate the emission factor for an electricity system'.		
QA/QC procedures	Not applicable		
Purpose of data/parameter	Calculation of the CO ₂ emission factor of the grid electricity in year y		
Additional comments	Not applicable		

Data/Parameter	$\eta_{m,y}$ and $\eta_{k,y}$		
Unit	Not applicable		
Description	Average net energy conversion efficiency of power unit m or k in year y		
Measured/calculated/default	Default		
Source of data	These values are determined annually during the crediting period for the relevant year in accordance to the annex 1 of the 'Tool to calculate the Emission Factor for an electricity system'.		
Value(s) of monitored parameter	Technology	Old power plants (before 2000)	New power plants (after 2000)
	Coal	37%	39%
	Oil:		
	Steam turbine	37.5%	39%
	Open cycle	30%	39.5%
	Combined cycle	46%	46%
Monitoring equipment	Not applicable		
Measuring/reading/recording frequency	Not applicable		
Calculation method (if applicable)	Not applicable		
QA/QC procedures	Not applicable		
Purpose of data/parameter	Calculation of the CO ₂ emission factor of the grid electricity in year y		
Additional comments	Not applicable		

D.3. Implementation of sampling plan

>>

Not applicable.

SECTION E. Calculation of emission reductions or net anthropogenic removals

E.1. Calculation of baseline emissions or baseline net removals

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According to the Project Design Document, baseline emissions are calculated as follows:

$$BE_y (tCO_2) = EG_{BL,y} (MWh) * EF_{CO_2,grid,y} (t CO_2 / MWh) \quad \text{Eq. 1}$$

Where:

BE_y = Emission in year y (t CO₂)
 $EG_{BL,y}$ = Quantity of net electricity supplied to the grid as a result of the implementation of the CDM project activity in year y (MWh)
 $EF_{CO_2,grid,y}$ = CO₂ emission factor of the grid calculated ex-post in year y (tCO₂/MWh)
 y = years 2016, 2017 and 2018

Baseline emissions defined in Equation 1 are computed using the spreadsheets called '2016 EF Calculation', '2017 EF Calculation', and '2018 EF Calculation' as follows:

Step 1. Entry variable $EG_{BL,y}$

Step 2. The baseline emissions of the project are calculated automatically for each month of the monitoring period in the sheet called 'Energy data and CERs calculations – 1st Monitoring Period'. Yearly results are shown in the following table:

Name of the variable	$EG_{BL,y}$	$EF_{CO_2,grid,y}$	BE_y
Description	Net electricity generation from the proposed project activity	Emission factor	Baseline emissions
Unit	MWh	t CO ₂ /MWh	t CO ₂ e
2016	24,758	0.588	14,557
2017	31,281	0.456	14,263
2018	28,460	0.411	11,697
Total	84,498		40,517

Table 1. Baseline emissions calculation

E.2. Calculation of project emissions or actual net removals

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Project emissions are negligible since power density (2,585.31W/m²) results greater than 10 W/m². Installed capacity and reservoir areas remain constant as described in the PDD.

E.3. Calculation of leakage emissions

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Leakages are negligible according to the PDD.

E.4. Calculation of emission reductions or net anthropogenic removals

	Baseline GHG emissions or baseline net GHG removals (t CO ₂ e)	Project GHG emissions or actual net GHG removals (t CO ₂ e)	Leakage GHG emissions (t CO ₂ e)	GHG emission reductions or net anthropogenic GHG removals (t CO ₂ e)		
				Before 01/01/2013	From 01/01/2013	Total amount
Total	40,517	0	0	0	40,517	40,517

E.5. Comparison of emission reductions or net anthropogenic removals achieved with estimates in the registered PDD

Amount achieved during this monitoring period (t CO ₂ e)	Amount estimated ex ante for this monitoring period in the PDD (t CO ₂ e)
40,517 tCO ₂ e (three years)	56,778 tCO ₂ e (three years)

E.5.1. Explanation of calculation of “amount estimated ex ante for this monitoring period in the PDD”

>>

According to the registered PDD, the calculation of the amount of GHG emissions reductions estimated ex ante for this monitoring period is as follow:

Month	PE _y	BE _y	LE _y	ER _y
	Estimation of project activity emissions	Estimation of baseline emissions	Estimation of leakages	Estimation of emission reductions
	t CO ₂ e	t CO ₂ e	t CO ₂ e	t CO ₂ e
Definition	A= 0 because power density > 10w/m ²	B	C	A - B - C
2016	0	18,926	0	18,926
2017	0	18,926	0	18,926
2018	0	18,926	0	18,926
Total	0	56,778	0	56,778

Where the baseline emissions estimated ex ante are calculated using a combined emission factor of the grid of 0.518 t CO₂/MWh and a yearly estimation for the net electricity supplied by the project activity to the grid of 36,538 MWh.

Variable	EG _{BL, y}	EF _{CO2,grid,y}	BE _y
Description	Net electricity supplied by the project activity to the grid	Emission factor	Baseline emissions
Unit	MWh	t CO ₂ /MWh	t CO ₂
Definition	A	B	A*B
2016	36,538	0.518	18,926
2017	36,538	0.518	18,926
2018	36,538	0.518	18,926
Total	109,614		56,778

E.6. Remarks on increase in achieved emission reductions

>>

Actual GHG emission reductions achieved is not greater than the amount based on the ex-ante estimation in the registered PDD.

E.7. Remarks on scale of small-scale project activity

>>

Project activity consists just of Choloma Hydroelectric Project (9.7 MW), and not a bundle of project activities. Since there has not been any changes to Choloma's installed capacity, the project activity remains under the limit of that type (15 MW).

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
07.0	31 May 2019	Revision to: <ul style="list-style-type: none"> • Ensure consistency with version 02.0 of the “CDM project standard for project activities” (CDM-EB93-A04-STAN); • Add a section on remarks on the observance of the scale limit of small-scale project activity during the crediting period; • Add "changes specific to afforestation or reforestation project activity" as a possible post-registration changes; • Clarify the reporting of net anthropogenic GHG removals for A/R project activities between two commitment periods; • Make editorial improvements.
06.0	7 June 2017	Revision to: <ul style="list-style-type: none"> • Ensure consistency with version 01.0 of the “CDM project standard for project activities” (CDM-EB93-A04-STAN); • Make editorial improvements.
05.1	4 May 2015	Editorial revision to correct version numbering.
05.0	1 April 2015	Revisions to: <ul style="list-style-type: none"> • Include provisions related to delayed submission of a monitoring plan; • Provisions related to the Host Party; • Remove reference to programme of activities; • Overall editorial improvement.
04.0	25 June 2014	Revisions to: <ul style="list-style-type: none"> • Include the Attachment: Instructions for filling out the monitoring report form (these instructions supersede the "Guideline: Completing the monitoring report form" (Version 04.0)); • Include provisions related to standardized baselines; • Add contact information on a responsible person(s)/ entity(ies) for completing the CDM-MR-FORM in A.6 and Appendix 1; • Change the reference number from <i>F-CDM-MR</i> to <i>CDM-MR-FORM</i>; • Editorial improvement.
03.2	5 November 2013	Editorial revision to correct table in page 1.
03.1	2 January 2013	Editorial revision to correct table in section E.5.
03.0	3 December 2012	Revision required to introduce a provision on reporting actual emission reductions or net GHG removals by sinks for the period up to 31 December 2012 and the period from 1 January 2013 onwards (EB 70, Annex 11).
02.0	13 March 2012	Revision required to ensure consistency with the "Guidelines for completing the monitoring report form" (EB 66, Annex 20).
01.0	28 May 2010	EB 54, Annex 34. Initial adoption.

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