



Plan Vivo Annual Report 2018

13th April 2019

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SICIREC BOLIVIA Ltda

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Annual report year 2018

Submitted by: Anko Stilma
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Summary

Project overview

Reporting period

Geographical areas

01.01.2018 – 31.12.2018 (1 year)

Cochabamba Tropics, Ichilo province (dpt. Santa Cruz), province Ituralde (dpt La Paz), province J.Balivian (dpt Beni), Bolivia

Technical specifications in use

Mixed Species Forest Plantation

Project indicators		Historical (2011-2017)	Added/ Issued this period (2018)	Total
No. smallholder households with PES agreements		195	39	234
No. community groups with PES agreements by Dec 2018		64	24	88
Approximate number of households (or individuals) in these community groups		1280	480	1760
Area under management (ha) where PES agreements are in place		261.7	58.6	320.3
Total PES payments made to participants (USD)		213,086	27,617	240,703
Allocation to Plan Vivo buffer (tCO ₂)	From new areas	n/a	1,712	1,712
	From extra growth	6,703	364	7,066
	Total	6,703	2,076	8,778
Saleable emissions reductions achieved (tCO ₂)	From new areas	n/a	13,695	13,695
	From existing areas	53,620	6,199	59,819
	Total	53,620	19,894	73,514
Unsold Stock at time of Submission (PVC)				
Vintage 2018				
Plan Vivo Certificates (PVCs) issued to date				
Plan Vivo Certificates requested for issuance				
Total PVCs issued (including this report)				

Part A: Project updates

A1 Key events

This document provides a report on the plantations established and maintained under the ArBolivia-Plan Vivo program, between 2008 and 2017 and on new plantations brought under the Plan Vivo Standard in 2018.

The Project underwent an independent verification in 2018, which has now been completed successfully (see certification report, from April 2019). The scope of the evaluation has been the performance of ArBolivia Project to the Plan Vivo Standards including the validation of additional areas.

The plantations are located in the municipalities of San Buenaventura (department La Paz), Rurrenabaque and San Borja, in the department of Beni (see map) and in the Ichilo province in Santa Cruz.

Figure 2.1: Location of the “Rurrenabaque” area

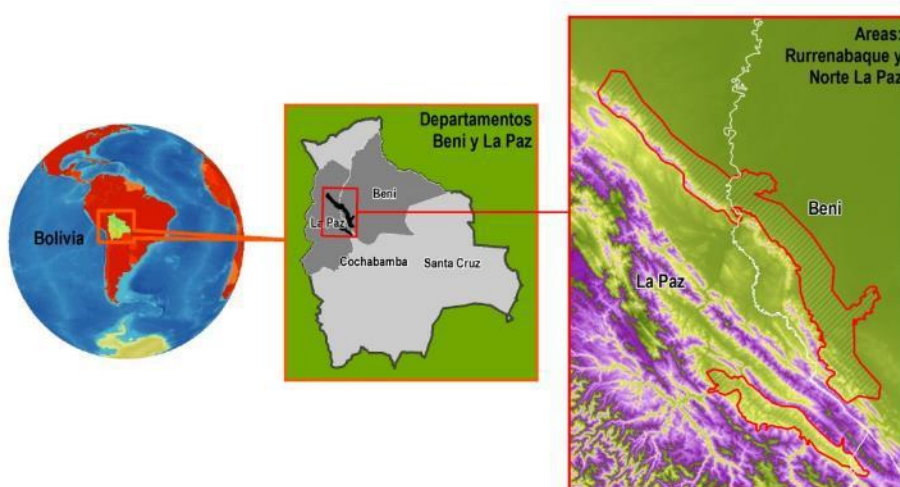


Figure 2.2: Location of the Cochabamba Tropics area

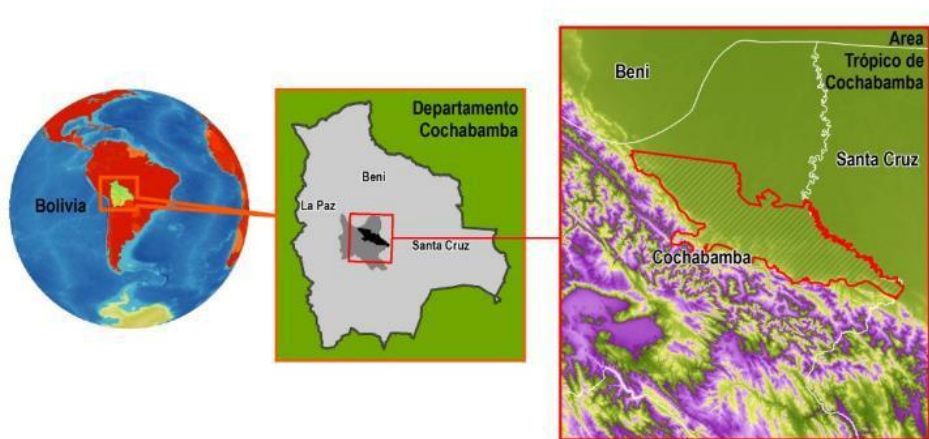
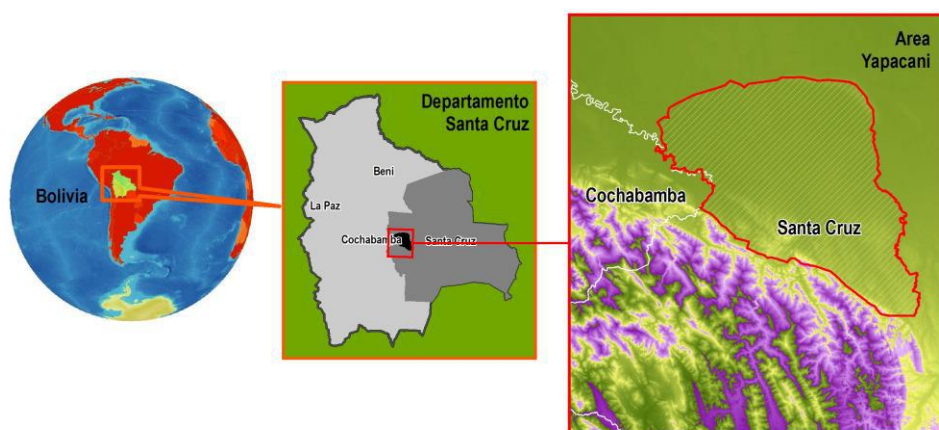


Figure 2.3: Location of the province Ichilo, Santa Cruz



A2 Successes and challenges

During 2018, the following developments and challenges are worth mentioning:

Successful certification:

The forest management system, procedures, and techniques of ArBolivia Project have been assessed by the accredited certifier Control Union according to the Plan Vivo Standard Vs. 2013.

The objectives of certification were the following:

- Assess conformance of new areas with the certification criteria as laid out in the Plan Vivo Standards (PV);

- Assess performance of the certification criteria as per already validated project area in the PV;
- Evaluate the conformance with the certification scope, including the GHG project and baseline scenarios,
- Assess the extent to which GHG sources, sinks, and reservoirs; and the physical infrastructure, activities, technologies and processes of the GHG project are aligned to the requirements of the PV;
- Evaluate the calculation of GHG emissions, including the applicability and transparency of formula and factors used, assumptions related to estimating GHG emission reductions, and uncertainties;
- Determine whether the project could reasonably be expected to achieve the claimed GHG reduction/removals.

In the opinion of the auditor, ArBolivia Project (SICIREC) is in conformity with the certification requirements and certification should be maintained.

The auditor submitted only two minor clarification requests (CARs)¹ which must be closed by 2023.

These are:

1. *Though Arbolivia Project is working on the waste management procedures and policies, as well as the training and education for project members in order to reduce waste production and how to deal with those considered toxic or hazardous for people and environment. The region where the project is established does not count with licensed companies to manage hazardous waste properly, being a challenge for the Project Developer to correctly treat and dispose this kind of material.*
2. *Technical specifications must be updated at least every 5 years where they are still being used to sign new PES Agreements, by reviewing both available data from project monitoring results, e.g. species growth data, and new available data from outside the project*

Further the auditor raised 3 observations

1. *Project manager should implement analysis of samples of first soil horizons to improve conversion factors (e.g. Root:Shoot) of planted sites concerning its species and management. Also, the Project manager should implement analysis of wood density once thinning is taking place, to complement the bibliographic data.*
2. *Arbolivia Project has implemented a new method of taking measures of trees in the Permanent Sample Plots, with the use of callipers. Although it has been considered a more productive device, it was identified that only 1 measure has being taken at the DBH. It is also identified that species like Teak show a considerable distortion in a cross measurement, due to the irregular form of the stem. Though the fieldcheck of trees measured during*

¹ A non-conformance is defined as a deficiency, discrepancy or misrepresentation that in all probability materially affects carbon credit claims.

- **Major Corrective Action Request (Major CAR)** – With a MAJOR CAR, Control Union Certifications requests appropriate action be taken to show compliance with a requirement. In order to achieve a successful re-certification, all Major CARs shall be formally closed.
- **Minor Corrective Action Request (Minor CAR)** - With a MINOR CAR, Control Union Certifications requests appropriate action be taken to become fully compliant with a requirement. A Minor CAR will be issued where the impact of the infraction is:(a) not material within the current certification, AND (b) unusual or non-systematic, AND (c) correctable in a specific timeframe less than 5 years.
- **Observation (OBS)** – With an OBS, Control Union Certifications provides an observation on possible future non-compliance with a requirement. Unlike CARs, observations are warnings and do not need to be formally corrected. They are given special attention during the next certification.

the latest round of PPS' monitoring did not show significant mismatches between data, it's an important point of attention for the accuracy of monitoring plan to implement the use of callipers in the standard operational procedures in the monitoring of trees' growth.

- **Monitoring**

- The number of permanent sample plots (PSPs) has now increased to 119. Of these PSPs 79 have been measured in 2018, 48 of were remeasured in accordance with the monitoring plan and 31 were new plots.
 - Regular monitoring of the growth and development of plantations, quality of the trees (stem and crown quality, occurrence of pest & diseases), silvicultural management and farmer payments has been conducted on all PV-farms.
- Growth rates derived from the measurements of permanent sample plots have resulted in adjustments to the projected growth rates and thus a correction of the average long term GHG-reduction, as shown in the Table 1. This increase in growth rates has been verified and supported by the verifier Control Union (see Verification Report 2018). Increases in growth rates have resulted in an adaption of expected rotation length and thus also mean stem volume.

Table 1: Adjusted stem value and rotation period

Growth class	Scientific name	Common name	Vol (m3/ha) and rotation period based on new sample data				Vol (m3/ha) and rotation period based on initial projections			
			Stem volume (M3)	Mean stem volume (M3)	Rotation period	Period to mean stem volume	Stem volume (M3)	Mean stem volume (M3)	Rotation period	Period to mean stem volume
Fast	Schizolobium amazonicum	Serebo	266	133	13	6	242	121	13	7
Fast	Stryphnodendron purpureum	Palo yugo	260	130	12	7	242	121	13	7
Medium	Calophyllum basiliense	Palo maría	267	134	25	13	212	106	25	13
Medium	Centrolobium tomentosum	Tejeyequé	267	134	24	11	212	106	25	13
Medium	Guarea rusby	Trompillo de altura	300	150	17	11	298	149	25	13
Medium	Tapirira guianensis	Palo román	262	131	19	11	298	149	25	13
Medium	Tectona Grandis	Teca	214	107	25	11	213	107	22	11

- Annual meetings with the 17 forestry committees are used to monitor social acceptance, social embedding, potential problems, and capacity building needs, and take action if necessary.
- A socio-economic impact evaluation started in October 2018 and will be finished by the end of 2019.

- Thinning of the plantations has continued in 2018, and has been carried out in 43 woodlots, resulting in revenues for farmers of 124,460 Bs (approximately 18,200 USD).
- 6 formal training events have been organized via the forestry committees.
- All farmers received regular visits, in which both monitoring of the plantations and on-site training were conducted.

A3 Project developments

Legal registration of the plantations with the Forestry Authority:

- The ArBolivia staff has been participating actively over the last few years in the elaboration of integrated land and forestry policies with the National Forestry Authority, sharing their experiences, obtained under the ArBolivia project. This work has continued throughout 2018.
- Registration with the Forest Authority (ABT) is necessary to facilitate future harvesting and improve the control of the Forest Authority (ABT) over illegal wood exploitation. This is also of benefit for the project, since the registration of plantations is linked with Authorities' licensing & control system for wood harvesting and thus protects the plantation from illegal cutting. After several years of meetings at all levels within the Forest Authority (ABT), in 2018 the regulations have become clearer and procedures for the registration and subsequent harvesting of wood from plantations has now been established. The ABT has made it clear that the traceability of wood remains a key issue and so the new rules assure that wood from natural forests cannot be sold as wood from plantations, avoiding in this way the "green washing" of illegal logging. Wood can only be harvested and sold if these procedures are followed by both the farmer and Sicirec Bolivia Ltda and have been approved by the Forest Authority.
- However, during this reporting period the National Service for National Parks (SERNAP) came up with additional requirements for plantations established within the influence area of the national parks. SERNAP now only allows sustainable wood production from woodlots after an inspection by one of its own staff members, following which it submits a certification of compliance with the National Park rules and regulations. Unfortunately due to a lack human capacity within the National Park Service, field visits by its staff members are not sufficiently regular and this is becoming a new bottleneck for the registration of the plantations.

In 2018, Sicirec Bolivia developed a Strategic Plan on chain development with the aim of diversifying its revenues. This plan contains 4 components:

- Generating added value to wood products from smallholders' woodlots;
- Supply chain development for cocoa, coffee and annual crops;
- Seed and seedling production for third parties, such as private institutions, municipalities and regional governments;
- Provision of consultancy services to third parties, including municipalities, governmental agencies and non-governmental organisations, in integrated forest management for the generation of Ecosystem Goods and Services.

The development of these production chains will directly benefit the farmers, since:

- Farmers' income from added value to wood products will increase;
- Farmers' income generated by cacao, coffee and annual crops will increase;
- Seeds and or plant production for third parties, especially those produced for the public sector, will be distributed to communal areas for protection purposes and/or to individual farmers as well;
- Sicirec Bolivia will also earn additional revenues, which can be reinvested directly into new activities with the farmers.

A4 Future Developments

In addition to the timber trees, the new Plan Vivo farmers received either fruit trees, coffee or cocoa bushes. These new trees, together with general improvements in land use planning, lead to an increase in the amount of biomass on the farm. Improved land-use planning also aims to reduce levels of deforestation and improve resilience to climate change.

In 2019 Sicirec Bolivia will continue its support to the ABT in disseminating the importance of integrated forest and land management. It will also continue to implement activities with its communities and smallholders in line with these policies. The Plan Vivo farmers will play a crucial role in this, since the management of the land and forest by Plan Vivo farmers offers an example of how Bolivia's national policies for climate change mitigation and adaptation can be implemented in practice.

Part B: Project Activities

B1 Project activities generating Plan Vivo Certificates

Table 2: Project activity summary

Name of technical specification	Area (Ha)	No smallholder households	No Community Groups
<i>Mixed Species Forest Plantation</i>	320.3	234	88

In 2018, 39 new farmer families joined the programme - 11 were from communities where no Plan Vivo activities have been developed yet. 3 famers who were already participating in the project extended their woodlots under Plan Vivo.

The same conditions apply for all new farmers as for the existing PV-families.

B2 Project activities in addition to those generating Plan Vivo Certificates

Since reforestation activities cannot be seen in isolation from other livelihood activities, project participation begins in all cases with the elaboration of an Integrated Land Use Plan. If land use can be improved, agriculture can be more efficient and the deforestation caused by the traditional slash and burn methods can be reduced. Integrated Land Use Planning ensures that tree planting does not compete with their income or food security in the short, mid and long term. In addition to this, and part of the Land Use Plan, farmers receive advice on improved cropping practices and agroforestry systems are also established (fruit trees, cacao, coffee etc.) on an area equal to 20% of the eligible tree planting area. Regular monitoring is carried out to ensure that there are no negative impacts on food security or crop production in general within the project area.

As described already, thinnings generated additional income during 2018 for several farmers. Though this could have been more if the registration process in the areas of influence of the national parks would have gone more smoothly.

In 2018 Sicirec Bolivia Ltda obtained the licences to build the Adam Retort Kiln. Together with the company EcoK, Sicirec started with the production of charcoal from “waste” wood from plantations. The first trials seemed very promising and this will be further developed in 2019. Farmers will receive additional income for this.

Part C: Plan Vivo Certificate issuance submission

C1 Contractual statement

Issuance of credits is based on signed agreements with the smallholders and the biomass increment of the established plantations under the contract.

C2 Issuance request for projects where issuance is made on the basis of new land being added to the project (e.g. woodlots, calculated *ex-ante*)

During 2018 another 58.6 hectares have been brought under Plan Vivo. These hectares generate a total of 13,695 tn CO₂e. In Table 3 the issuance request for new areas is specified.

Table 3: Issuance request for Plan Vivo Certificates allocated to new participants and land

Tech. Spec. used	Remark	No. of participants / groups allocated	Total area allocated (ha)	Carbon Potential (tCO ₂ /ha)	Total ER's (tCO ₂)	No. of PVCs allocated to Plan Vivo buffer this period (10%)	Retained by ArBolivia internal buffer (10%)	Saleable ER's (tCO ₂) from this period
Mixed Species Forest Plantation	New PV-areas	39	58.6	292,13 (average, see Table 11)	17,119	1,712	1,712	13,695
Split						10%	10%	80%

As stated in the PDD, the buffer is 10% in accordance with Plan Vivo requirements. An extra buffer with a target of 10% is maintained by the project itself.

Table 4 shows the consolidated surface per issuance, and the extent of failed woodlots up to the 31st of December 2018.

Table 4: Summary of consolidated and failed surface.

Report	reporting year	Surface (ha)	Lost surface (ha)	Current Surface	Certification	Failure(%)
PV1	2011	75.5	2.6	72.9	2019	3.4%
PV2	2011	120.8	6.9	113.9	2019	5.7%
PV3	2015 & 2016	50.2	0.0	50.2	2019	0.0%
PV4	2017	24.7	0.0	24.7	2019	0.0%
PV5 (new)	2018	58.6	0.0	58.6	2019	0.0%
Overall		329.7	9.4	320.3		2.9%

Experience in site selection has also improved plantation design in respect of protection against forest fires. Failed tree lots have been re-planted within the same reporting year, so yearly net losses for plantations established since 2015 are zero.

C3 Issuance request based on re-evaluation of growth rates

In the reporting period, growth rates derived from the measurements of permanent sample plots have resulted in adjustments to the projected growth rates and thus a correction of the average long term GHG-reduction. This has resulted in an overall increase in growth rates that is equivalent to 5,859 tCO₂e more sequestered than initially estimated. On the other hand the species *Tectona grandis* and *Tapira Guianensis* showed a slight lower growth than projected, equivalent to 2,221 tCO₂e less sequestered than initially estimated. This makes a net increase of 3,638 tCO₂e. Control Union (see Verification Report 2018) has verified these growth rates. These changes have been retroactively applied to earlier issuances so that past issuance can better reflect the true emission reductions. This is shown in Table 5a, which also highlights corrections made on some inconsistencies in the 2017 Annual Report. Table 5b provides a summary of the total PVCs generated by the project, based on the 2018 issuance request due to the increase in project area (Table 3) and the revision of previous issuances (Table 5a).

Table 5a: Comparison of issuance for areas planted before 31/12/2017

Step	Data set	Total ERR	Surface (Ha)	Issuance (tCO ₂ e)	PV buffer contribution (tCO ₂ e)	Withheld by project (tCO ₂ e)	Failure (tCO ₂ e)
1 ²	2017 report values	65,691	261.7	53,620	6,569	5,501	1,068
2 ³	Adjustments made for failure event	+1,334	+9,4	+1,068	+133	+133	-
3 ⁴ (=1+2)	Adjusted 2017 report values	67,025	271.1	54,688	6,703	5,634	1,068
4 ⁵	Revisions due to lower growth rates	- 2,221	-	-	-	- 2,221	-
5	Revisions due to higher growth rates	+5,859	-	+5,131	+364	+364	-
6 ⁶ (=3+4+5)	New total (2011 – 2017) due to revised growth models	70,662	271.0	59,819	7,066	3,777	1,068
	New total split			84.7%	10.0%	5.3%	

² This was what was reporting in Table 6 of the previous AR. However, the 53,670 in the previous report's Table 6 was a typo and actually should have been 53,620 (which reflects the true issuance and values provided in the rest of the 2017 report)

³ In previous reports, the project had lost 9.4ha of trees. This corresponds to 1,334 tCO₂ of total ERR, or 1,068 tCO₂ of issued credits. The project incorrectly accounted for this loss twice, by deducting 1,334 tCO₂ from the total ERR, but also by deducting 1,068 tCO₂ from the project buffer. In this report, this mistake is corrected by adding the 1,334 back onto the total ERR (which is broken down between issuance, PV buffer and internal buffer). This means that, overall, the project has only compensated for this loss event once through the deduction of 1,068 from the project buffer

⁴ These are the revised 2017 values that take correct the over-conservative accounting for the failed areas (i.e. adding back in the 9.3 ha that was accidentally taken out)

⁵ These are the adjustments made because of the revision in growth rates:

- Any losses due to decreases in growth rate (i.e. some species were found to be growing slower) are deducted from the internal buffer (this is the -2,221).
- Any increases in growth rates, due to some species growing faster, are added to the issuance
- The two buffer both also see an increase in levels that reflect the net increase in growth rates (this is given as 364 for each)

⁶ These are the new historic carbon levels

PV buffer has increased with 364 tCO₂e due to extra growth (buffer is 10% of total ERR). Total credits to be issued from the existing areas established before 31/12/2018 is 59,819 – 53,620 = **6,199 tCO₂e**. PVCs withheld by the project has been reduced for these areas to 3,777 tCO₂e.

Table 5b: Split of total PVU 2011-2018

	Total ERR	Ha	Issuance	PV buffer contribution	Withheld by project
Historic (see Table 5a)	70,662	271.1*	59,819	7,066	3,777
2018 recruitment	17,119	58.6	13,695	1,712	1,712
Total (incl 2018 issuance)	87,781	329.7	73,514	8,778	5,489
Split			83,7%	10,0%	6,3%

*This includes 9,4 has lost in previous years

Although the PVCs withheld by the project is currently below the target 10%, the project aims to increase this internal allocation back to 10% in 2021 through re-planting.

C4 Allocation of issuance request

ZeroMission, Trees for All and some other partners have indicated that they will have a further requirement for PVCs. Further ad hoc demand is also anticipated.

C5 Data to support issuance request

Data from permanent sample plots, which has been certified by Control Union, showed that the original projected growth rates have proved to be rather conservative. Adjustments have therefore now been made to the growth rates as shown in Table 6a:

Table 6a: adapted growth rates

Scientific name	Common name	Vol (m ³ /ha) and rotation period based on new sample data				Vol (m ³ /ha) and rotation period based on initial projections			
		Stem volume (M3)	Mean stem volume (M3)	Rotation period	Period to mean stem volume	Stem volume (M3)	Mean stem volume (M3)	Rotation period	Period to mean stem volume
Schizolobium amazonicum	Serebo	266	133	13	6	242	121	13	7
Stryphnodendron purpureum	Palo yugo	260	130	12	7	242	121	13	7
Calophyllum basiliense	Palo maría	267	134	25	13	212	106	25	13
Centrolobium tomentosum	Tejeyequé	267	134	24	11	212	106	25	13
Guarea rusby	Trompillo de altura	300	150	17	11	298	149	25	13
Tapirira guianensis	Palo román	262	131	19	11	298	149	25	13
Tectona Grandis	Teca	214	107	25	11	213	107	22	11

As shown in Table 6b: Adjustments in growth rates resulted in the following amounts for Above an

Below Ground GHG emissions reductions in tCO₂e

Table 6b: Long-term average CO₂e in tCO₂e/ha

Growth class	Scientific name	Common name	rotation	Above and Below Ground GHG removal (tCO ₂ e/ha) adjusted	Above and Below Ground GHG removal (tCO ₂ e/ha) initial	Monitoring result
Fast	Schizolobium amazonicum	Serebo	13	254	248	Adapted
Fast	Stryphnodendron purpureum	Palo yugo	13	263	263	confirmed
Medium	Aspidosperma macrocarpon	Jichituriqui	25	323	323	confirmed
Medium	Calophyllum basiliense	Palo maría	25	287	215	Adapted
Medium	Centrolobium tomentosum	Tejeyaque	25	303	231	Adapted
Medium	Guarea rusby	Trompillo de altura	22	304	386	Adapted
Medium	Tapirira guianensis	Palo román	22	281	303	Adapted
Medium	Tectona Grandis	Teca	25	217	249	Adapted
Medium	Virola flexuosa	Gabún	25	203	203	confirmed
Slow	Buchenavia oxycarpa	Verdolago negro de pepa	35	234	234	confirmed
Slow	Dipteryx odorata	Almendrillo	35	277	277	confirmed
Slow	Terminalia amazonica	Verdolago negro de ala	30	278	278	confirmed
Slow	Terminalia oblonga	Verdolago amarillo de ala	35	228	228	confirmed

Tables 7a and 7b break down the total GHG emission reductions from the recruitment of new established areas and adaptation of growth models respectively. Table 7c combines these results.

Table 7a: Tree species planted and total average GHG removals (tCO₂e)– new areas

Specie	Common name	GHG removals per strata (tCO ₂ e)				Total average GHG removal (tCO ₂ e)
		Annual	Grassland with trees	Grassland	Perennial	
Centrolobium tomentosum	Tejeyaque	3,299	854	-	4,477	8,630
Calophyllum brasiliense	Palo maría	2,390	-	-	6,099	8,489
Total		5,689	854	-	10,576	17,119

Table 7b: Tree species planted and total average GHG removals (tCO₂e)– existing areas

Specie	Common name	GHG removals per strata (tCO ₂ e)				Total average GHG removal (tCO ₂ e)
		Annual	Grassland with trees	Grassland	Perennial	
Buchenavia oxycarpa	Verdolago negro (pepa)	257	0	0	232	489
Calophyllum brasiliense	Palo maría	2054	339	299	1323	4015
Cedrela fissilis	Cedro	5	0	0	0	5
Centrolobium tomentosum	Tejeyaque	10581	0	0	11227	21808
Dipteryx odorata	Almendrillo	5386	0	0	4204	9590
Guarea rusby	Trompillo de altura	1066	0	75	2835	3975
Hymenaea courbaril	Paquio	213	0	0	0	213
Schizolobium amazonicum	Serebo	1140	0	0	896	2036
Stryphnodendron purpureum	Palo yugo	2808	0	104	800	3712

<i>Swietenia macrophylla</i>	Mara	30	0	0	2	32
<i>Tapirira guianensis</i>	Palo román	3340	0	0	1044	4384
<i>Tectona grandis</i>	Teca	15463	0	0	858	16321
<i>Terminalia amazonia</i>	Verdolago negro (ala)	891	155	0	569	1616
<i>Terminalia oblonga</i>	Verdolago amarillo (ala)	808	0	0	226	1035
<i>Virola flexuosa</i>	Gabún	97	0	0	2	99
Total		44,140	494	479	24,217	69,330

Table 7c: Tree species planted and total average GHG removals (tCO₂e) – existing and new areas

Specie	Common name	GHG removals per strata (tCO ₂ e)				Total average GHG removal (tCO ₂ e)
		Annual	Grassland with trees	Grassland	Perennial	
<i>Buchenavia oxycarpa</i>	Verdolago negro (pepa)	257	0	0	232	489
<i>Calophyllum brasiliense</i>	Palo maría	4444	339	299	7422	12645
<i>Cedrela fissilis</i>	Cedro	5	0	0	0	5
<i>Centrolobium tomentosum</i>	Tejeyaque	13880	854	0	15704	30297
<i>Dipteryx odorata</i>	Almendrillo	5386	0	0	4204	9590
<i>Guarea rusby</i>	Trompillo de altura	1066	0	75	2835	3975
<i>Hymenaea courbaril</i>	Paquio	213	0	0	0	213
<i>Schizolobium amazonicum</i>	Serebo	1140	0	0	896	2036
<i>Stryphnodendron purpureum</i>	Palo yugo	2808	0	104	800	3712
<i>Swietenia macrophylla</i>	Mara	30	0	0	2	32
<i>Tapirira guianensis</i>	Palo román	3340	0	0	1044	4384
<i>Tectona grandis</i>	Teca	15463	0	0	858	16321
<i>Terminalia amazonia</i>	Verdolago negro (ala)	891	155	0	569	1616
<i>Terminalia oblonga</i>	Verdolago amarillo (ala)	808	0	0	226	1035
<i>Virola flexuosa</i>	Gabún	97	0	0	2	99
Total		49,829	1348	479	34793	86449

Part D: Sales of Plan Vivo Certificates

D1: Sales of Plan Vivo Certificates

The implementing agency Sicirec Bolivia Ltda has transferred all Plan Vivo credits to the UK-based society “Cochabamba Project Ltd”. In keeping with ArBolivia’s philosophy of reciprocity, farmers are not subsequently subjected to the volatility of the voluntary carbon market and The Cochabamba Project Ltd commits to funding all project activities, based on the real costs of implementing and maintaining the woodlots.

On average, 239 tn of CO₂e are generated per hectare. In addition to direct payments, farmers receive in-kind support through the provision of barbed wire, fruit trees and the seedlings by the project coordinator. The benefit to farmers from these direct payments and in-kind support, per credit issued, is shown in Table 8. To adhere to Bolivian regulations, revenues from environmental functions are not subject to market prices, but instead are fixed amounts based on costs. In accordance with the provisions established in the PDD, if the revenues for carbon credits cannot cover these costs, the project manager (SICIREC Bolivia Ltda) is obliged to cover the deficit.

Table 8: Price received by participants per credit generated

Item	Farmer share per sold credit (USD)
Direct Payments to farmers	2.32
Agroforestry	0.44
Barbwire	0.38
Seedlings	2.33
Total	5.46

Sales for 2018 are shown in Table 9, in addition to the benefit received (both as direct payments and in-kind benefits) by the farmers. For the full historic sales, see Annex 3.

Table 9: Sales of Plan Vivo Certificates 2018

Vintage	Buyer	No of PVCs	Price per PVC (\$)*	Total sale amount (\$)*	Price to participants (\$)*	% Sale price received by participants
Sales 2018						
2016	Forest Carbon Ltd	6,669				
2017	Forest Carbon Ltd	3,373				
2016	Greenamity	296				
2017	ZeroMission AB	889				
2017	Ecology B Soc	196				
2017	Finidr sro	25				
subtotal sales 2018		11,448		52,805	46,937	89%
Previously sold:						
Subtotal sales 2011 - 2017		46,135		319,323	258,817	81%
Total sales until 2018		57,583		372,128	305,754	82%

*Pricing reported for internal monitoring purposes only. Pricing information will be removed from the final published document.

Part E: Monitoring Results

E1: Ecosystem Services Monitoring

Table 10 shows the monitoring results for new land added. For more detailed information on new land added, please consult Annex 1.

Table 10: New land added in 2018

Farmers name	Surface planted (Ha)	Total (tCO2e)	Retained by project (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance request (tCO2e)
Alberto Flores	1.2	359	36	36	287
Benita Ribera Cruz	1.0	299	30	30	239
Benita Vasquez Alvarez	1.0	300	30	30	240
Cirilo Quispe Tardio	2.0	598	60	60	478
Concepcion Aguirre Anagua	2.0	605	61	61	484
Dario Saavedra Crispin	1.0	283	28	28	227
Dionicia Perez vda. de Duran	1.0	287	29	29	229
Donato Mamani Polo	1.0	299	30	30	239
Edmundo Pinto Rivera	1.0	299	30	30	239
Eduardo Llanos Salvador	2.2	631	63	63	505
Elias Mamani Akarapi	1.0	299	30	30	239
Evarista Rodriguez Leyton	1.5	448	45	45	359
Felipe Luna Medina	2.0	582	58	58	466
Fortunato Mamanillo Chara	1.0	287	29	29	229
Carmen Mercedes Mamani de M.					
Gregorio Copa Vasquez	2.0	582	58	58	466
Isabel Azurduy Serrudo	2.0	604	60	60	483
Iver Aguirre Fernandez	2.5	740	74	74	592
Juan Choque Danila Callau Vargas	1.0	283	28	28	227
Juan Rivera Cruz	1.0	299	30	30	239
Juana Aguirre Anagua Pedro	1.0	303	30	30	242
Abrigo Silva					
Julian Alvarez Mico	1.0	303	30	30	242
Julian Villarroel Mendoza Victoria	2.0	589	59	59	471
Aguirre Anagua de Villarroel					
Justiniano Condori Lucas Virginia	1.0	299	30	30	239
Osca de Condori					
Lidia Laime Laime	1.8	510	51	51	408
Lorenzo Laime Colque	1.0	287	29	29	229
Luisa Huallpa Mendez	1.3	373	37	37	298
Marcos Rojas Rodriguez	2.0	586	59	59	469
Mario Yucra Ortega	6.0	1,714	171	171	1,371
Nicolas Subia Contreres	2.0	582	58	58	466
Oscar Melgarejo Camacho	1.0	285	28	28	228
Pablo Flores Siles	1.0	285	28	28	228
Patricio Guzman Rodriguez	1.0	283	28	28	227
Roberto Choque Puma	2.0	576	58	58	461
Robustiano Mondaque	0.7	198	20	20	159
Roque Valeriano Choque	1.4	397	40	40	317
Samuel Laime Laime	1.0	285	28	28	228
Susana Cespedes Montaño	2.0	598	60	60	478
Teofilo Diaz Carlos	1.0	299	30	30	239
Wilson Jimenez Terrazas	1.0	283	28	28	227
Total general	58.6	17,119	1,712	1,712	13,695

Existing plantations were maintained and silvicultural management was applied for the famers described in Table 11. The managed total surface in the project, including the 58.6 new hectares, is now 320.3 hectares.

Table 11: Surface maintained per community under the Plan Vivo Standard

Department	Municipality	Community	Surface maintained (ha)	Farmer families with agreement
BENI	Reyes	Reyes Propiedad Privada	4.0	2
BENI	Reyes	San Jose	2.0	2
BENI	Rurrenabaque	Carmen Soledad	3.3	3
BENI	Rurrenabaque	Cauchal Nucleo 66	1.0	1
BENI	Rurrenabaque	Collana	5.1	4
BENI	Rurrenabaque	Colorado Bajo Nucleo 34	5.0	6
BENI	Rurrenabaque	Com. Villa Jichani	1.0	1
BENI	Rurrenabaque	Cuatro Ojitos Nucleo 40	1.0	1
BENI	Rurrenabaque	El Bala	1.0	1
BENI	Rurrenabaque	El Cebu	2.0	2
BENI	Rurrenabaque	Los Tigres	1.5	2
BENI	Rurrenabaque	Nueva Esperanza	3.3	4
BENI	Rurrenabaque	Nuevos Horizontes	2.0	2
BENI	Rurrenabaque	Propiedad Privada	9.1	10
BENI	Rurrenabaque	San Antonio del Cauchal	1.0	1
BENI	Rurrenabaque	San Bernardo	1.5	1
BENI	Rurrenabaque	San Miguel	0.9	1
BENI	Rurrenabaque	Ticala Linares	2.0	2
BENI	Rurrenabaque	Uncallamaya	0.5	1
BENI	Rurrenabaque	Villa El Carmen	0.7	1
BENI	San Borja	Borjanita	1.0	1
BENI	San Borja	Colonia Agropecuaria Soledad Núcleo C	1.3	1
BENI	San Borja	Colonia Espontanea Sumaj Orko	0.5	1
BENI	San Borja	Comunidad Los Cerritos	0.8	1
BENI	San Borja	El Palmar	1.3	2
BENI	San Borja	Embocada	0.5	1
BENI	San Borja	Inca Suyo	2.0	3
BENI	San Borja	Marca Coroico	1.5	2
BENI	San Borja	Propiedad Privada	2.0	1
BENI	San Borja	San Juan	1.5	2
BENI	San Borja	Villa Borjana	2.0	2
BENI	San Borja	Villa Imperial	8.6	9
BENI	San Borja	Yacumita	5.6	6
COCHABAMBA	Chimoré	Litoral	1.5	1
COCHABAMBA	Chimoré	Senda A	5.0	1
COCHABAMBA	Chimoré	Senda C	1.0	1
COCHABAMBA	Chimoré	Senda Tres	8.0	2
COCHABAMBA	Puerto Villarroel	14 de Septiembre	1.0	1
COCHABAMBA	Puerto Villarroel	9 de Agosto	2.5	1
COCHABAMBA	Puerto Villarroel	Agro Sacta	1.5	1
COCHABAMBA	Puerto Villarroel	Alianza	3.9	1
COCHABAMBA	Puerto Villarroel	Gualberto Villarroel	8.6	7

Department	Municipality	Community	Surface maintained (ha)	Farmer families with agreement
COCHABAMBA	Puerto Villarroel	Maldonado	1.3	1
COCHABAMBA	Puerto Villarroel	San Lorenzo	1.0	1
COCHABAMBA	Puerto Villarroel	Valle Hermoso	30.4	11
COCHABAMBA	Puerto Villarroel	Valle Ivirza	2.0	2
COCHABAMBA	Puerto Villarroel	Villa Verde	6.6	4
COCHABAMBA	Shinahota	Bolivar	3.0	2
LA PAZ	San Buenaventura	25 de Mayo	8.8	9
LA PAZ	San Buenaventura	Bella Altura	2.5	2
LA PAZ	San Buenaventura	Bohemio	1.0	1
LA PAZ	San Buenaventura	Buena Vista	1.5	2
LA PAZ	San Buenaventura	Capaina	2.0	2
LA PAZ	San Buenaventura	Cinteño	1.7	2
LA PAZ	San Buenaventura	Colorado	1.7	2
LA PAZ	San Buenaventura	El Dorado	4.0	1
LA PAZ	San Buenaventura	Esmeralda 1	0.8	1
LA PAZ	San Buenaventura	Everest	1.1	2
LA PAZ	San Buenaventura	Hurehuapo	10.9	9
LA PAZ	San Buenaventura	La Esmeralda	1.4	1
LA PAZ	San Buenaventura	Mayge	5.0	1
LA PAZ	San Buenaventura	Nueva Palestina	3.6	2
LA PAZ	San Buenaventura	Propiedad Privada	14.9	8
LA PAZ	San Buenaventura	San Isidro	7.0	5
LA PAZ	San Buenaventura	San Silvestre	6.1	6
LA PAZ	San Buenaventura	Santa Ana	8.5	5
LA PAZ	San Buenaventura	Tumupasa	15.7	13
SANTA CRUZ	Buena Vista	Espejitos	3.0	2
SANTA CRUZ	Buena Vista	Izama 1	12.7	5
SANTA CRUZ	Buena Vista	Izama 2	3.7	3
SANTA CRUZ	Buena Vista	La Envidia	8.5	5
SANTA CRUZ	Buena Vista	Pozo Azul	2.0	1
SANTA CRUZ	Buena Vista	Santa Fe	6.0	1
SANTA CRUZ	Buena Vista	Santa Rosa de Amboró	1.0	1
SANTA CRUZ	Buena Vista	Villa Amboro	8.0	7
SANTA CRUZ	San Carlos	Agua Bonita	1.0	1
SANTA CRUZ	San Carlos	La Lidia	1.0	1
SANTA CRUZ	San Carlos	Los Majos	2.2	1
SANTA CRUZ	San Carlos	Tacuarita	2.0	1
SANTA CRUZ	Yapacaní	14 de Diciembre	1.0	1
SANTA CRUZ	Yapacaní	2 de Agosto	1.4	1
SANTA CRUZ	Yapacaní	25 de Mayo	0.7	1
SANTA CRUZ	Yapacaní	Abaroa	1.0	1
SANTA CRUZ	Yapacaní	Colorado Ichilo	3.8	3
SANTA CRUZ	Yapacaní	Coop Gualberto Villarroel	2.0	2
SANTA CRUZ	Yapacaní	Coop. Cordillera	2.0	1
SANTA CRUZ	Yapacaní	Tercera Transversal	4.2	3
SANTA CRUZ	Yapacaní	Union Y Fuerza	1.0	1
Total			320.2	234

The cumulative amount of carbon is calculated over the consolidated total surface of existing plantations established under PV1&2&3&4&5, respectively reports for year 2011, 2013, 2016, 2017, 2018. For detailed information on these woodlots, please refer to Annex 2.

Land preparation has to take place prior to planting, which means that, in many cases, existing vegetation will be removed. Areas are therefore stratified according land use at the time that the analysis of site-specie matching is undertaken. 4 main types of land uses are distinguished: annual crops, grassland with existing trees, grassland and perennial crops. As shown in Table 12, most woodlots are established on land with annual and perennial crops. These are croplands which, due to their usage to date, are no longer suitable for further cropping in the near future. Carbon calculations are based on the growth of the different species, and the surface per species per strata. In Table 12, the surface area of tree species planted per strata is shown.

Table 12: Tree species planted and maintained per strata (surface in Ha)

Specie	Common name	Surface per strata (ha)				Total (ha)
		Annual	Grassland with trees	Grassland	Perennial	
Buchenavia oxycarpa	Verdolago negro (pepa)	1.1	0.0	0.0	1.0	2.1
Calophyllum brasiliense	Palo maría	18.7	4.2	1.1	20.5	44.4
Cedrela fissilis	Cedro	0.0	0.0	0.0	0.0	0.0
Centrolobium tomentosum	Tejeyaque	42.9	0.0	0.0	58.0	100.8
Dipteryx odorata	Almendrillo	19.4	0.0	0.0	15.3	34.7
Guarea rusby	Trompillo de altura	3.5	0.0	0.3	9.5	13.3
Hymenaea courbaril	Paquio	0.9	0.0	0.0	0.0	0.9
Schizolobium amazonicum	Serebo	4.5	0.0	0.0	3.6	8.1
Stryphnodendron purpureum	Palo yugo	10.7	0.0	0.4	3.1	14.2
Swietenia macrophylla	Mara	0.1	0.0	0.0	0.0	0.1
Tapirira guianensis	Palo román	11.9	0.0	0.0	3.8	15.6
Tectona grandis	Teca	71.2	0.0	0.0	4.0	75.2
Terminalia amazonia	Verdolago negro (ala)	3.2	0.6	0.0	2.1	5.8
Terminalia oblonga	Verdolago amarillo (ala)	3.5	0.0	0.0	1.0	4.5
Virola flexuosa	Gabún	0.5	0.0	0.0	0.0	0.5
Total		192.1	4.8	1.7	121.8	320.3

E2: Maintaining commitments

Farmers received several visits before and after planting and during the maintenance of the trees. All farmers receive instructions on how to plant and farmers also receive specific recommendations based on their specific site conditions, site-preparation (in case of establishment) and the quality of the plantation.

During the first two years after planting, 7 evaluation visits of the plantations are foreseen. After

that, this is reduced to two in the third and fourth years, and once per year thereafter. However a small number of the visits planned during the first two years have had to be deferred because of delays by the farmer in proceeding with certain recommendations. Training also takes place prior to the evaluations both on an individual basis, as well as in groups.

The visits are carried out according to the following scheme:

1. During the establishment process a number of recommendations are made. Compliance with these recommendations is checked 1 to 3 weeks afterwards. Although during site selection the coordinates are measured by GPS, at the planning stage the area finally planted is then re-measured, giving the exact coordinates (UTM WGS84) and surface area of each sector. Once introduced into the database, a unique sector code is assigned (Annex 1a). If any corrective work is required, the field technician checks that this work has been concluded satisfactorily and then is authorized to proceed with the payment due to the farmer, based on the surface area as measured and recorded.
2. Once the planned site visits have taken place, on-site training on maintenance of the plantations is given and after about 3 months a second evaluation takes place. Farmers will receive recommendations on how to carry out the maintenance if they have not yet done so on their own initiative or if they have not done so according to the general instructions given to all farmers.
3. In the first year after planting, two additional evaluation visits are carried out with the same purpose as the visits mentioned above. During the second year another two visits are carried out. After this, evaluations are conducted once a year for payment purposes only. Prior to all evaluation visits, on-site training and individual recommendations are given on the appropriate maintenance of the woodlots.

Over the project life time the recommendations shown were subsequently implemented (albeit not always within the suggested time frame). Delays in completing the corrective action required or cases where, from a silvicultural point of view, activities could be deferred without undue consequences have meant that in some cases only 4 payments were made during the initial two-year period.

Although depending on the scenario, the recommendations provided to the smallholders may have included one or more of the following:

- **Pest control:** Some pests, mainly ants, might attack the plantations and there is a need to apply biological pesticides. These products were either provided by ArBolivia or training was given on how to produce biological pesticides.

- **Cover crop:** Due to soil conditions, farmers are advised to plant leguminous cover crops, in which case appropriate seed is provided by ArBolivia.
- **Weeding:** This is necessary in order to avoid excessive competition between weeds and trees.
- **Replanting:** This is recommended in all cases whenever mortality exceeds 20%. ArBolivia provides the plants and the farmer carries out the planting.
- **Pruning required:** Branches and shoots were required to be removed to encourage desirable plant growth. The type of pruning depends on age: For the younger plantations this means low pruning or so-called “shape pruning” is recommended; for the plantations up to 4 years, medium pruning is recommended; and for higher trees, a high pruning is recommended, generally with the purpose of obtaining at least 6 meters of branch-free stems.
- **Protection against cattle:** In cases where no fencing or insufficient fencing was in place before tree establishment, or where the land use has changed (for example where one of the neighbours has decided to begin raising cattle), new fencing is necessary. ArBolivia provides a quantity of barbed wire, whilst the farmer provides the poles and any additional barbed wire as required.
- **Fertilization:** Organic fertilizers are used as required.
- **Fire control measures:** Wherever an elevated risk of forest fire has been identified, extra measures have been taken such as incorporating firebreaks, clearing the area of undergrowth and establishing cover crops.
- **Thinning required:** With the aim of optimizing tree growth and biomass increment, and obtaining desirable and marketable diameters of stems, different thinning’s will take place during the rotation of a plantation. The timing and intensity of thinning’s are based on measurements of: tree height, diameter at breast height (dbh), competition between trees and crown cover. A field worker of ArBolivia makes yearly assessments; if a thinning is necessary, a plan will be made together with the farmer, which details the period in which the thinning will take place, who will carry out this work and to whom products can be sold. Trees to be thinned will be marked by ArBolivia’s field staff. Thinnings are carried by a specialized team from ArBolivia with the participation of the farmer. Before and during this operation, the farmer receives on-site training in silviculture, low impact harvesting techniques and safety measures of the operations.
- **No recommendation:** No specific recommendations were necessary.

For older plantations, most emphasis is made on pruning and thinning.

E3: Socioeconomic monitoring

The project is registered under the 2008 version of the Standard and as such it is not required to carry out socio-economic monitoring. Notwithstanding, annual meetings with the 17 forestry committees are used to monitor social acceptance, social embedding, potential problems and capacity building needs and to take action if necessary. An in-depth social impact analysis has been undertaken by a Masters Student from Wageningen University over the course of 2018/19 and the results are anticipated before the end of the year.

E4: Environmental and biodiversity monitoring

An environmental and biodiversity impact evaluation was carried out in 2013. A new impact evaluation has been started in 2018 and will be finished by the end of 2019. The results of this impact evaluation will be provided in the 2019 annual report.

Part G: Payments for Ecosystem Services

G1: Summary of PES by Year

In accordance with the PDD, the contract signed between the farmers and the project stipulates that the farmers will transfer their rights regarding the sale of carbon-credits to Sicirec Bolivia Ltda. Sicirec transfers these rights to the investors in the project, The Cochabamba Project Ltd. The Cochabamba Project Ltd in turn guarantees that the revenues it obtains for the carbon-credits will be transferred to the farmers as part of the total investment capital of the project. More specifically carbon revenues will be used to make staged payments to the farmers for the establishment and maintenance of plantations and in addition the farmers receive in-kind benefits, for example in the form of barbed wire, agroforestry plants and seed for cover crops. These payments are made periodically according to the fulfilment of specific monitoring targets rather than as and when certificates are sold.

In accordance with the provisions established in the PDD, if the revenues for carbon credits cannot cover these payments, the project manager (SICIREC Bolivia Ltda) is obliged to cover the deficit. The Cochabamba Project Ltd has undertaken to cover any such deficit as part of its overall investment commitment.

Table 13: Direct performance payments to Farmers

No Verif	Moment of Payment	Number of farmers	Surface (ha)	Total Amount (USD)
V-01	Establishment	239	335.8	30,659
V-02	Maintenance 1 (after 3 months)	233	315.2	16,589
V-03	Maintenance 2 (after > 6 months)	229	306.3	16,673
V-04	Maintenance 3 (after > 10 months)	228	301.7	17,028
V-05	Maintenance 4 (after > 14 months)	213	281.6	15,628
V-06	Maintenance 5 (after > 20 months)	203	265.2	14,547
V-07	Maintenance 6 (after > 26 months)	183	239.0	13,891
V-08	Maintenance 7 (after > 36 months)	170	222.8	13,500
V-09	Maintenance 8 (after > 48 months)	164	211.7	13,061
V-10	Maintenance 9 (after > 60 months)	154	198.5	12,112
V-11	Maintenance 10 (after > 72 months)	127	136.8	8,310
V-12	Maintenance 11 (after > 84 months)	68	60.9	3,877
V-13	Maintenance 12 (after > 96 months)	21	18.4	1,057
V-14	Maintenance 13 (after > 108 months)	1	0.5	30
Total				176,962

**includes tax according Bolivian tax-regulations*

Cash payments amounting to the equivalent of 22,360 USD, have been made to farmers during

this reporting period. In addition, farmers have received citrus plants to the value of 3,732 USD and seed for leguminous species of cover crops for the purpose of annual production (climate smart) to the value of 1,525 USD. This means that overall benefits to the farmers in this reporting period sum to 27,617 USD.

Accumulated direct payments to farmers are 176,962 USD, which increases to 240,703 USD when including the in kind contribution. In addition to this, farmers received plant material and professional advice which is not taken into account in this table.

Table 14: Summary of direct payments made and held in trust

1. Reporting year	2. Total previous payments (previous reporting periods) (USD)	3. Total on-going payments (in this reporting period) (USD)	4. Total payments made (2+3) (USD)	5. Total payments held in trust	6. Total payments withheld
PV1 (<2013)	47,199	906	48,105	N/A	N/A
PV2 (2014)	73,092	2,409	75,501	N/A	N/A
PV3 (2015/2016)	28,249	1,417	29,666	N/A	N/A
PV4 (2017)	6,062	3,163	9,225	N/A	N/A
PV5 (2018)	N/A	14,465	14,465	N/A	N/A
TOTAL	154,602	22,360	176,962		

Table 15: Summary of in kind payments made and held in trust

1. Reporting year	2. Total previous payments (previous reporting periods) (USD)	3. Total on-going payments (in this reporting period) (USD)	4. Total payments made (2+3) (USD)	5. Total payments held in trust	6. Total payments withheld
PV1 (<2013)	12,063		12,063	N/A	N/A
PV2 (2014)	27,224		27,223	N/A	N/A
PV3 (2015/2016)	15,274		15,274	N/A	N/A
PV4 (2017)	3,923		3,923	N/A	N/A
PV (2019)		5,257	5,257	N/A	N/A
TOTAL	58,484	5,257	63,741		

Part H: On-going Participation

H1: Recruitment

All farmers recruited in this period are listed in Annex 1 of this report. Despite high demand for participation in the ArBolivia, no active recruitment has taken place in 2018 due to a lack of

financial capacity. Under normal circumstances, if farmers demonstrate their interest, they are invited, whether by project staff or by other farmers, to a regular assembly of the forestry committee, in which they receive information on the project. After the meeting, site-visits take place to each of the interested farmers. The first step is to check the legal status of the land, the whole family's, motives and the purpose of tree planting. Part of this consultation at a family level is also the collection of information on current and future land use, and how they see the role of trees. Another purpose of the consultation is to define the amount of labour available to do the tree planting and maintenance of the trees later on. Based on this, an integrated farm & land use planning is made and a decision is made on the surface area and the specific sites available for tree planting, followed by a site/specie matching assessment. Final selection of farmers depends on the need for an equal geographic distribution among the project region, the availability of tree species suitable for the site the farmer wants to assign, the time available to support the family and the length of time the farmer family has been on the list.

H2: Project Potential

The project has a high presence in the area and works closely with the farmers, partly through individual visits but also through coordination with the farmer federation and the organisation of indigenous people. In order to implement the project activities, it is mandatory to consult and have agreements in place with the community and/or local organizations, depending on the authority of the organisation and the scope of the issues concerned.

H3: Community participation

The project is coordinating with the farmers organisations FESPAI (Northern La Paz), FEPAY, FECAR (Beni), the FECCT, FCIC, FUCU (Cochabamba Tropics), FSCIPAY (Yapacani) and the farmer organisation CSUTB (Santa Cruz). In those areas which belong to an indigenous territory, the project is coordinating with the corresponding organisation. In this case, this is the Council of Indigenous Tacana People (CIPTA).

With the authorisation and help of the farmers' federation and the Council of Indigenous Tacana People, 17 forestry committees are currently operating in the Plan Vivo areas. The forestry committees as well as the communities play an active role in training, decision-, strategy-, and policy-making. In Table 16 below, the Forestry committees are shown for each community. In the Cochabamba region, no committees are established since the farmer federations preferred not to establish these. In this area, also known as "Tropico", it is the communities and the federations rather than specific forestry committees, who are involved in decision-, strategy-, and policy-making.

In addition to the communities in the Cochabamba region, some other smaller communities did not want to establish a forestry committee and preferred direct coordination between project and participating individual farmers. This position has been respected by the project and, in the event of any problems arising, these are resolved in coordination with the existing community authorities.

Table 16: Community, farmer organisation and Forestry Committees

Department	Municipality	Community	Organisation*	Forestry committee	Surface maintained (Ha)	Farmer families with agreement
BENI	Reyes	Reyes Propiedad Privada	Other	Tamarindo	4.0	2
BENI	Reyes	San Jose	FECAR	Tamarindo	2.0	2
BENI	Rurrenabaque	Carmen Soledad	CIPTA	Almendrillo	3.3	3
BENI	Rurrenabaque	Cauchal Nucleo 66	FECAR	12 de Junio	1.0	1
BENI	Rurrenabaque	Collana	FECAR	Las Tecas	5.1	4
BENI	Rurrenabaque	Colorado Bajo Nucleo 34	FECAR	Ambiente Sano	5.0	6
BENI	Rurrenabaque	Com. Villa Jichani	FECAR	Las Tecas	1.0	1
BENI	Rurrenabaque	Cuatro Ojitos Nucleo 40	FECAR	Ambiente Sano	1.0	1
BENI	Rurrenabaque	El Bala	FECAR	Las Tecas	1.0	1
BENI	Rurrenabaque	El Cebu	FECAR	12 de Junio	2.0	2
BENI	Rurrenabaque	Los Tigres	FECAR	12 de Junio	1.5	2
BENI	Rurrenabaque	Nueva Esperanza	FECAR	12 de Junio	3.3	4
BENI	Rurrenabaque	Nuevos Horizontes	FECAR	12 de Junio	2.0	2
BENI	Rurrenabaque	Propiedad Privada	FECAR	No committee	9.1	10
BENI	Rurrenabaque	San Antonio del Cauchal	FECAR	12 de Junio	1.0	1
BENI	Rurrenabaque	San Bernardo	FECAR	Las Tecas	1.5	1
BENI	Rurrenabaque	San Miguel	FECAR	Ambiente Sano	0.9	1
BENI	Rurrenabaque	Ticala Linares	FECAR	Las Tecas	2.0	2
BENI	Rurrenabaque	Uncallamaya	FECAR	Las Tecas	0.5	1
BENI	Rurrenabaque	Villa El Carmen	FECAR	12 de Junio	0.7	1
BENI	San Borja	Borjanita	FEPAY	Ambiente Sano	1.0	1
BENI	San Borja	Colonia Agropecuaria Soledad Núcleo C	FEPAY	Ambiente Sano	1.3	1
BENI	San Borja	Col. Espontanea Sumaj Orko	FEPAY	Ambiente Sano	0.5	1
BENI	San Borja	Comunidad Los Cerritos	FEPAY	Ambiente Sano	0.8	1
BENI	San Borja	El Palmar	FEPAY	Ambiente Sano	1.3	2
BENI	San Borja	Embocada	FEPAY	Ambiente Sano	0.5	1
BENI	San Borja	Inca Suyu	FEPAY	Ambiente Sano	2.0	3
BENI	San Borja	Marca Coroico	FEPAY	Ambiente Sano	1.5	2
BENI	San Borja	Propiedad Privada	FEPAY	Ambiente Sano	2.0	1
BENI	San Borja	San Juan	FEPAY	Ambiente Sano	1.5	2
BENI	San Borja	Villa Borjana	FEPAY	Ambiente Sano	2.0	2
BENI	San Borja	Villa Imperial	FEPAY	Ambiente Sano	8.6	9
BENI	San Borja	Yacumita	FEPAY	Ambiente Sano	5.6	6
COCHABAMBA	Chimoré	Litoral	FCICC	Trópico	1.5	1
COCHABAMBA	Chimoré	Senda A	FCICC	Trópico	5.0	1
COCHABAMBA	Chimoré	Senda C	FCICC	Trópico	1.0	1
COCHABAMBA	Chimoré	Senda Tres	FCICC	Trópico	8.0	2
COCHABAMBA	Puerto Villarroel	14 de Septiembre	FECCT	Trópico	1.0	1
COCHABAMBA	Puerto Villarroel	9 de Agosto	FECCT	Trópico	2.5	1
COCHABAMBA	Puerto Villarroel	Agro Sacta	FECCT	Trópico	1.5	1
COCHABAMBA	Puerto Villarroel	Alianza	FECCT	Trópico	3.9	1
COCHABAMBA	Puerto Villarroel	Gualberto Villarroel	FECCT	Trópico	8.6	7
COCHABAMBA	Puerto Villarroel	Maldonado	FECCT	Trópico	1.3	1
COCHABAMBA	Puerto Villarroel	San Lorenzo	FECCT	Trópico	1.0	1

Department	Municipality	Community	Organisation*	Forestry committee	Surface maintained (Ha)	Farmer families with agreement
COCHABAMBA	Puerto Villarroel	Valle Hermoso	FECCT	Trópico	30.4	11
COCHABAMBA	Puerto Villarroel	Valle Ivirza	FECCT	Trópico	2.0	2
COCHABAMBA	Puerto Villarroel	Villa Verde	FECCT	Trópico	6.6	4
COCHABAMBA	Shinahota	Bolivar	FUCU	Trópico	3.0	2
LA PAZ	San Buenaventura	25 de Mayo	FESPAI	Gabu	8.8	9
LA PAZ	San Buenaventura	Bella Altura	CIPTA	Tacana	2.5	2
LA PAZ	San Buenaventura	Bohemio	FESPAI	No committee	1.0	1
LA PAZ	San Buenaventura	Buena Vista	CIPTA	Tacana	1.5	2
LA PAZ	San Buenaventura	Capaina	CIPTA	Tacana	2.0	2
LA PAZ	San Buenaventura	Cinteño	FESPAI	Madidi	1.7	2
LA PAZ	San Buenaventura	Colorado	FESPAI	Madidi	1.7	2
LA PAZ	San Buenaventura	El Dorado	FESPAI	Madidi	4.0	1
LA PAZ	San Buenaventura	Esmeralda 1	FESPAI	Gabu	0.8	1
LA PAZ	San Buenaventura	Everest	FESPAI	Gabu	1.1	2
LA PAZ	San Buenaventura	Hurehuapo	FESPAI	Madidi	10.9	9
LA PAZ	San Buenaventura	La Esmeralda	FESPAI	Gabu	1.4	1
LA PAZ	San Buenaventura	Mayge	FESPAI	No committee	5.0	1
LA PAZ	San Buenaventura	Nueva Palestina	FESPAI	No committee	3.6	2
LA PAZ	San Buenaventura	Propiedad Privada	FESPAI	Madidi	14.9	8
LA PAZ	San Buenaventura	San Isidro	FESPAI	Gabu	7.0	5
LA PAZ	San Buenaventura	San Silvestre	CIPTA	Mara	6.1	6
LA PAZ	San Buenaventura	Santa Ana	FESPAI	Gabu	8.5	5
LA PAZ	San Buenaventura	Tumupasa	CIPTA	Mara	15.7	13
SANTA CRUZ	Buena Vista	Espejitos	CSUTB	Distrito 3 Amboro	3.0	2
SANTA CRUZ	Buena Vista	Izama 1	CSUTB	Distrito 3 Amboro	13.0	5
SANTA CRUZ	Buena Vista	Izama 2	CSUTB	Distrito 3 Amboro	3.7	3
SANTA CRUZ	Buena Vista	La Envidia	CSUTB	Distrito 3 Amboro	8.5	5
SANTA CRUZ	Buena Vista	Pozo Azul	CSUTB	Distrito 3 Amboro	2.0	1
SANTA CRUZ	Buena Vista	Santa Fe	CSUTB	Santa Fé de Amboro	6.0	1
SANTA CRUZ	Buena Vista	Santa Rosa de Amboró	CSUTB	Distrito 3 Amboro	1.0	1
SANTA CRUZ	Buena Vista	Villa Amboro	CSUTB	Villa Amboro	8.0	7
SANTA CRUZ	San Carlos	Agua Bonita		Tarara	1.0	1
SANTA CRUZ	San Carlos	La Lidia		No committee	1.0	1
SANTA CRUZ	San Carlos	Los Majos		Tarara	2.2	1
SANTA CRUZ	San Carlos	Tacuarita		Tarara	2.0	1
SANTA CRUZ	Yapacaní	14 de Diciembre	FSCIPAY	No committee	1.0	1
SANTA CRUZ	Yapacaní	2 de Agosto	FSCIPAY	Palo román Ichilo	1.4	1
SANTA CRUZ	Yapacaní	25 de Mayo	FSCIPAY	Amboro Ichilo	0.7	1
SANTA CRUZ	Yapacaní	Abaroa	FSCIPAY	Amboro Ichilo	1.0	1
SANTA CRUZ	Yapacaní	Colorado Ichilo	FSCIPAY	Amboro mutun	3.8	3
SANTA CRUZ	Yapacaní	Coop Gualberto Villarroel	FSCIPAY	Los Tajbios	2.0	2
SANTA CRUZ	Yapacaní	Coop. Coordillera	FSCIPAY	Amboro mutun	2.0	1
SANTA CRUZ	Yapacaní	Tercera Transversal	FSCIPAY	Amboro mutun	4.2	3
SANTA CRUZ	Yapacaní	Union Y Fuerza	FSCIPAY	Amboro mutun	1.0	1
Total					320.3	234

*Agua Bonita, La Lidia, Los Majos and Tacuarita are not affiliated with a Federation.

“Forestry Committees” constitute the primary formal mechanism for the engagement of smallholders in discussion of the project goals and implementation. These committees are established not only in coordination with but also within the pre-existing grassroots political

mechanism, which defines the smallholder communities as their “syndicato” (union). The internal regulation document explicitly describes the role of the committees, as well as their constituent parts and operations. Mechanisms for the resolution of conflicts between the project management and smallholders are also described therein.

All committees have internal rules and procedures, which were originally approved at a meeting attended by all the farmers. All committees have a board of 4 members of which 2 represent ArBolivia and 2 represent the communities. Board meetings take place at least every 2 months and here the members representing ArBolivia give an update of the situation on completed and planned activities and quality of the plantations. If there are any problems raised whereby ArBolivia has failed in its commitment to the farmer, these are discussed at this meeting. Similarly, if there are farmers and fieldworkers, who have been having problems with each other in the field and these problems could not be solved between themselves, then a solution is sought by the committee. If necessary, a visit to the farm by one of the farmer members of the board and the field worker is arranged. In the general meeting, board members representing the farmers inform the farmers about the results of the activities, measures taken and measures which should be taken, as well as all the strategies and activities programmed over the period until the next meeting. Accordingly, the internal rules of the committees in 2018 assemblies have been organised in which, ArBolivia presented the financial and a technical report to each of the forestry committees.

As a minimum, the members of a forestry committee have a general assembly every year. All 17 committees had their assemblies during the reporting period:

The agenda for the meetings is mainly the same:

- Opening
- List of attendance (every member signs the presence list)
- Reading and approval of minutes of the last assembly
- Clarification on the project, or, if required due to the presence of new or potential interested farmers, a full explanation is given of the project
- Clarifications on grievance mechanisms
- Report of the board
 - State of the plantations,
 - New members,
 - Report on conflicts, grievance (if any)
- Grievance and other comments of the assembly
- Discussion and input for Sustainable Development goals of the project
- Report of staff members of the project

- State of the plantations, based on monitoring report
 - Solution given to conflicts and grievance (if there where over the last period)
 - Planning of activities for the coming period
- Election of new board members
- Miscellaneous
- Closure

Part I: Project operating costs

The Plan Vivo parcels are part of the wider ArBolivia project. A cost estimation was made for the 320.3 ha based on the total expenses of the project.

Total expenses per hectare are approximately 4,573 USD/ha. Plantations are on average 6.5 years old. A breakdown of the costs is shown in Table 17. Costs per hectare could be reduced considerably if the scale of the project were to be extended. Costs for personnel are mainly related to training for the farmers.

Table 17 Cumulative break down of cost

Item	Total (USD)	Cost/ha (USD)
Promotion, organisational strengthening	65,673	206
Compliance payments to farmers	176,962	554
Agroforestry	33,263	104
Barbwire	29,511	92
Seedlings	177,657	556
Personnel	697,043	2,183
Transport of plants	52,891	166
Operational costs	52,443	164
Logistics	38,436	120
Tools/equipment	54,977	172
Taxes	76,295	239
Third party verification (2019)	5,008	16
Total	1,460,159	4,573

Annex 1: Monitoring results underlying issuance request

Tree specie planted	Rotation (years)	Years until Average Carbon stock	Total Net GHG removal per strata (tCO2e)			
			Perennial (tCO2e/Ha)	Grass land (tCO2e/Ha)	Grassland with trees (tCO2e /Ha)	Annual (tCO2e/Ha)
Centrolobium tomentosum	22	11	299	300	300	303
Centrolobium tomentosum	22	11	299	300	300	303
Calophyllum brasiliense	25	13	283	285	285	287

Dept	Municipality	Farmers name	Tree specie planted	Tree specie planted	Surface planted (Ha)					N GHG reduction (tCO2e) ex ante + expost					Retained (10%) byArBolivia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)
					Perennial	Grass land	Grass land with trees	Annual	Total Surface planted	Perennial	Grass land	Grass land with trees	Annual	Total tCO2e			
SANTA CRUZ	Buena Vista	Julian Alvarez Mico;	SCZ-ICH-BVT-VAB-6-S5-P5	Centrolobium tomentosum	-		-	0.5	0.5	-	-	-	151.3	151.3	15.1	15.1	121.0
SANTA CRUZ	Buena Vista	Nicolas Subia Contreres;	SCZ-ICH-BVT-PAZ-33-S4-P7	Centrolobium tomentosum	0.4		-	-	0.4	119.6	-	-	-	119.6	12.0	12.0	95.7
SANTA CRUZ	San Carlos	Dionicia Perez vda. de Duran;	SCZ-ICH-SCS-LLD-101-S1-P1	Calophyllum brasiliense	-		-	0.6	0.6	-	-	-	183.6	183.6	18.4	18.4	146.9
SANTA CRUZ	San Carlos	Dionicia Perez vda. de Duran;	SCZ-ICH-SCS-LLD-101-S1-P2	Calophyllum brasiliense	-		-	0.3	0.3	-	-	-	74.6	74.6	7.5	7.5	59.7
BENI	San Borja	Luisa Huallpa Mendez;	BEN-JBA-SBJ-SLD-009-S1-P1	Calophyllum brasiliense	-		-	1.3	1.3	-	-	-	372.9	372.9	37.3	37.3	298.3
SANTA CRUZ	Buena Vista	Benita Ribera Cruz;	SCZ-ICH-BVT-VAB-017-S1-P1	Centrolobium tomentosum	1.0		-	-	1.0	299.0	-	-	-	299.0	29.9	29.9	239.2

Dept	Municipality	Farmers name	Tree specie planted	Tree specie planted	Surface planted (Ha)					N GHG reduction (tCO2e) ex ante + ex post					Retained (10%) by ArBolia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)
					Perennial	Grass land	Grass land with trees	Annual	Total Surface planted	Perennial	Grass land	Grass land with trees	Annual	Total tCO2e			
SANTA CRUZ	Buena Vista	Benita Vasquez Alvarez;	SCZ-ICH-BVT-VAB-033-S1-P1	Centrolobium tomentosum	-		-	0.2	0.2	-	-	-	60.5	60.5	6.1	6.1	48.4
SANTA CRUZ	Buena Vista	Benita Vasquez Alvarez;	SCZ-ICH-BVT-VAB-033-S2-P2	Centrolobium tomentosum	0.8		-	-	0.8	239.2	-	-	-	239.2	23.9	23.9	191.3
SANTA CRUZ	Buena Vista	Concepcion Aguirre Anagua;	SCZ-ICH-BVT-LEV-16-S7-P7	Centrolobium tomentosum	-		-	1.0	1.0	-	-	-	302.5	302.5	30.3	30.3	242.0
SANTA CRUZ	Buena Vista	Concepcion Aguirre Anagua;	SCZ-ICH-BVT-LEV-16-S8-P8	Centrolobium tomentosum	-		-	1.0	1.0	-	-	-	302.5	302.5	30.3	30.3	242.0
SANTA CRUZ	Buena Vista	Donato Mamani Polo;	SCZ-ICH-BVT-SRA-012-S1-P1	Centrolobium tomentosum	1.0		-	-	1.0	299.0	-	-	-	299.0	29.9	29.9	239.2
SANTA CRUZ	Buena Vista	Edmundo Pinto Rivera;	SCZ-ICH-BVT-VAB-014-S3-P3	Centrolobium tomentosum	0.8		-	-	0.8	239.2	-	-	-	239.2	23.9	23.9	191.3
SANTA CRUZ	Buena Vista	Edmundo Pinto Rivera;	SCZ-ICH-BVT-VAB-014-S4-P4	Centrolobium tomentosum	0.2		-	-	0.2	59.8	-	-	-	59.8	6.0	6.0	47.8
SANTA CRUZ	Buena Vista	Elias Mamani Akarapi;	SCZ-ICH-BVT-LEV-10-S4-P4	Centrolobium tomentosum	1.0		-	-	1.0	299.0	-	-	-	299.0	29.9	29.9	239.2
SANTA CRUZ	Buena Vista	Isabel Azurduy Serrudo;	SCZ-ICH-BVT-ESS-035-S1-P5	Centrolobium tomentosum	0.3		-	-	0.3	89.7	-	-	-	89.7	9.0	9.0	71.8
SANTA CRUZ	Buena Vista	Isabel Azurduy Serrudo;	SCZ-ICH-BVT-ESS-035-S2-P4	Centrolobium tomentosum	-		-	1.7	1.7	-	-	-	514.3	514.3	51.4	51.4	411.4
SANTA CRUZ	Buena Vista	Iver Aguirre Fernandez;	SCZ-ICH-BVT-LEV-017-S1-P1	Centrolobium tomentosum	1.0		-	-	1.0	299.0	-	-	-	299.0	29.9	29.9	239.2
SANTA CRUZ	Buena Vista	Juan Rivera Cruz;	SCZ-ICH-BVT-VAB-40-S2-P2	Centrolobium tomentosum	0.5		-	-	0.5	149.5	-	-	-	149.5	14.9	14.9	119.6
SANTA CRUZ	Buena Vista	Juan Rivera Cruz;	SCZ-ICH-BVT-VAB-40-S3-P3	Centrolobium tomentosum	0.5		-	-	0.5	149.5	-	-	-	149.5	14.9	14.9	119.6
SANTA CRUZ	Buena Vista	Julian Alvarez Mico;	SCZ-ICH-BVT-VAB-6-S6-P6	Centrolobium tomentosum	-		-	0.2	0.2	-	-	-	60.5	60.5	6.1	6.1	48.4
SANTA CRUZ	Buena Vista	Julian Alvarez Mico;	SCZ-ICH-BVT-VAB-6-S7-P7	Centrolobium tomentosum	-		-	0.3	0.3	-	-	-	90.8	90.8	9.1	9.1	72.6

Dept	Municipality	Farmers name	Tree specie planted	Tree specie planted	Surface planted (Ha)					N GHG reduction (tCO2e) ex ante + ex post					Retained (10%) by ArBolia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)
					Perennial	Grass land	Grass land with trees	Annual	Total Surface planted	Perennial	Grass land	Grass land with trees	Annual	Total tCO2e			
SANTA CRUZ	Buena Vista	Julian Villarroel Mendoza; Victorina Aguirre Anagua de Villarroel;	SCZ-ICH-BVT-LEV-002-S1-P1	Centrolobium tomentosum	-		-	1.0	1.0	-	-	-	302.5	302.5	30.3	30.3	242.0
SANTA CRUZ	Buena Vista	Marcos Rojas Rodriguez;	SCZ-ICH-BVT-VAB-21-S7-P7	Centrolobium tomentosum	-		-	0.8	0.8	-	-	-	242.0	242.0	24.2	24.2	193.6
SANTA CRUZ	Buena Vista	Marcos Rojas Rodriguez;	SCZ-ICH-BVT-VAB-21-S8-P8	Centrolobium tomentosum	-		-	0.2	0.2	-	-	-	60.5	60.5	6.1	6.1	48.4
SANTA CRUZ	Buena Vista	Marcos Rojas Rodriguez;	SCZ-ICH-BVT-VAB-21-S9-P10	Calophyllum brasiliense	0.1		-	-	0.1	28.3	-	-	-	28.3	2.8	2.8	22.7
SANTA CRUZ	Buena Vista	Marcos Rojas Rodriguez;	SCZ-ICH-BVT-VAB-21-S9-P9	Calophyllum brasiliense	0.9		-	-	0.9	255.0	-	-	-	255.0	25.5	25.5	204.0
SANTA CRUZ	Buena Vista	Mario Yucra Ortega;	SCZ-ICH-BVT-SFE-142-S1-P1	Calophyllum brasiliense	-		-	1.6	1.6	-	-	-	459.0	459.0	45.9	45.9	367.2
SANTA CRUZ	Buena Vista	Mario Yucra Ortega;	SCZ-ICH-BVT-SFE-142-S1-P2	Calophyllum brasiliense	-		-	0.4	0.4	-	-	-	114.7	114.7	11.5	11.5	91.8
SANTA CRUZ	Buena Vista	Mario Yucra Ortega;	SCZ-ICH-BVT-SFE-142-S1-P3	Calophyllum brasiliense	-		-	2.0	2.0	-	-	-	573.7	573.7	57.4	57.4	459.0
SANTA CRUZ	Buena Vista	Nicolas Subia Contreras;	SCZ-ICH-BVT-PAZ-33-S5-P8	Centrolobium tomentosum	0.5		-	-	0.5	143.5	-	-	-	143.5	14.4	14.4	114.8
SANTA CRUZ	Buena Vista	Roberto Choque Puma;	SCZ-ICH-BVT-LEV-11-S1-P7	Centrolobium tomentosum	0.6		-	-	0.6	179.4	-	-	-	179.4	17.9	17.9	143.5
SANTA CRUZ	Buena Vista	Teofilo Diaz Carlos;	SCZ-ICH-BVT-VAB-23-S4-P6	Centrolobium tomentosum	1.0		-	-	1.0	299.0	-	-	-	299.0	29.9	29.9	239.2
SANTA CRUZ	San Carlos	Dionicia Perez vda. de Duran;	SCZ-ICH-SCS-LLD-101-S1-P1	Calophyllum brasiliense	-		-	0.1	0.1	-	-	-	17.2	17.2	1.7	1.7	13.8
SANTA CRUZ	San Carlos	Dionicia Perez vda. de Duran;	SCZ-ICH-SCS-LLD-101-S1-P2	Calophyllum brasiliense	-		-	0.0	0.0	-	-	-	11.5	11.5	1.1	1.1	9.2
SANTA CRUZ	Yapacaní	Felipe Luna Medina;	SCZ-ICH-YAP-CCO-18-S1-P2	Calophyllum brasiliense	1.0		-	-	1.0	283.3	-	-	-	283.3	28.3	28.3	226.7
SANTA CRUZ	Yapacaní	Patricio Guzman Rodriguez;	SCZ-ICH-YAP-CLI-044-S1-P1r	Calophyllum brasiliense	1.0		-	-	1.0	283.3	-	-	-	283.3	28.3	28.3	226.7

Dept	Municipality	Farmers name	Tree specie planted	Tree specie planted	Surface planted (Ha)					N GHG reduction (tCO2e) ex ante + ex post					Retained (10%) by ArBolia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)
					Perennial	Grass land	Grass land with trees	Annual	Total Surface planted	Perennial	Grass land	Grass land with trees	Annual	Total tCO2e			
SANTA CRUZ	Buena Vista	Evarista Rodriguez Leyton;	SCZ-ICH-BVT-IZ1-008-S1-P1	Centrolobium tomentosum	1.5		-	-	1.5	448.5	-	-	-	448.5	44.8	44.8	358.8
SANTA CRUZ	Buena Vista	Gregorio Copa Vasquez;	SCZ-ICH-BVT-IZ1-004-S1-P1	Calophyllum brasiliense	1.0		-	-	1.0	283.3	-	-	-	283.3	28.3	28.3	226.7
SANTA CRUZ	Buena Vista	Gregorio Copa Vasquez;	SCZ-ICH-BVT-IZ1-004-S2-P2	Centrolobium tomentosum	1.0		-	-	1.0	299.0	-	-	-	299.0	29.9	29.9	239.2
SANTA CRUZ	Buena Vista	Iver Aguirre Fernandez;	SCZ-ICH-BVT-LEV-017-S2-P2	Centrolobium tomentosum	1.0		-	-	1.0	299.0	-	-	-	299.0	29.9	29.9	239.2
SANTA CRUZ	Buena Vista	Iver Aguirre Fernandez;	SCZ-ICH-BVT-LEV-017-S3-P3	Calophyllum brasiliense	0.5		-	-	0.5	141.7	-	-	-	141.7	14.2	14.2	113.3
SANTA CRUZ	Buena Vista	Juana Aguirre Anagua; Pedro Abrigo Silva;	SCZ-ICH-BVT-IZ2-169-S1-P4	Centrolobium tomentosum	-		-	1.0	1.0	-	-	-	302.5	302.5	30.3	30.3	242.0
SANTA CRUZ	Buena Vista	Julian Villarroel Mendoza; Victoria Aguirre Anagua de Villarroel;	SCZ-ICH-BVT-IZ1-002-S1-P3	Calophyllum brasiliense	-		-	1.0	1.0	-	-	-	286.9	286.9	28.7	28.7	229.5
SANTA CRUZ	Buena Vista	Justiniano Condori Lucas; Virginia Osca de Condori;	SCZ-ICH-BVT-ESS-20-S5-P5	Centrolobium tomentosum	1.0		-	-	1.0	299.0	-	-	-	299.0	29.9	29.9	239.2
SANTA CRUZ	Buena Vista	Mario Yucra Ortega;	SCZ-ICH-BVT-SFE-142-S2-P5	Calophyllum brasiliense	2.0		-	-	2.0	566.7	-	-	-	566.7	56.7	56.7	453.3
SANTA CRUZ	Buena Vista	Nicolas Subia Contreres;	SCZ-ICH-BVT-PAZ-33-S5-P8	Centrolobium tomentosum	0.1		-	-	0.1	35.9	-	-	-	35.9	3.6	3.6	28.7
SANTA CRUZ	Buena Vista	Nicolas Subia Contreres;	SCZ-ICH-BVT-PAZ-33-S6-P9	Calophyllum brasiliense	0.7		-	-	0.7	198.3	-	-	-	198.3	19.8	19.8	158.7
SANTA CRUZ	Buena Vista	Nicolas Subia Contreres;	SCZ-ICH-BVT-PAZ-33-S7-P10	Calophyllum brasiliense	0.3		-	-	0.3	85.0	-	-	-	85.0	8.5	8.5	68.0
SANTA CRUZ	Buena Vista	Roberto Choque Puma;	SCZ-ICH-BVT-LEV-11-S1-P7	Calophyllum brasiliense	0.4		-	-	0.4	113.3	-	-	-	113.3	11.3	11.3	90.7
SANTA CRUZ	Buena Vista	Roberto Choque Puma;	SCZ-ICH-BVT-LEV-11-S8-P8	Calophyllum brasiliense	1.0		-	-	1.0	283.3	-	-	-	283.3	28.3	28.3	226.7

Dept	Municipality	Farmers name	Tree specie planted	Tree specie planted	Surface planted (Ha)					N GHG reduction (tCO2e) ex ante + ex post					Retained (10%) by ArBolia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)
					Pernial	Grass land	Grass land with trees	Annual	Total Surface planted	Perennial	Grass land	Grass land with trees	Annual	Total tCO2e			
SANTA CRUZ	San Carlos	Cirilo Quispe Tardio;	SCZ-ICH-SCS-TCI-23-S10-P10	Centrolobium tomentosum	2.0		-	-	2.0	598.0	-	-	-	598.0	59.8	59.8	478.4
SANTA CRUZ	San Carlos	Eduardo Llanos Salvador;	SCZ-ICH-SCS-LMJ-28-S9-P9	Calophyllum brasiliense	-		-	2.2	2.2	-	-	-	631.1	631.1	63.1	63.1	504.9
SANTA CRUZ	San Carlos	Fortunato Mamanillo Chara; Carmen Mercedes Mamani de Mamanillo;	SCZ-ICH-SCS-ABT-49_B-S6-P6	Calophyllum brasiliense	-		-	1.0	1.0	-	-	-	286.9	286.9	28.7	28.7	229.5
SANTA CRUZ	Yapacaní	Alberto Flores;	SCZ-ICH-YAP-TER-02-S3-P3	Centrolobium tomentosum	0.7		-	-	0.7	209.3	-	-	-	209.3	20.9	20.9	167.4
SANTA CRUZ	Yapacaní	Alberto Flores;	SCZ-ICH-YAP-TER-02-S3-P4	Centrolobium tomentosum	0.2		-	-	0.2	59.8	-	-	-	59.8	6.0	6.0	47.8
SANTA CRUZ	Yapacaní	Alberto Flores;	SCZ-ICH-YAP-TER-02-S4-P5	Centrolobium tomentosum	0.3		-	-	0.3	89.7	-	-	-	89.7	9.0	9.0	71.8
SANTA CRUZ	Yapacaní	Dario Saavedra Crispin;	SCZ-ICH-YAP-ABR-071-S1-P1	Calophyllum brasiliense	1.0		-	-	1.0	283.3	-	-	-	283.3	28.3	28.3	226.7
SANTA CRUZ	Yapacaní	Felipe Luna Medina;	SCZ-ICH-YAP-CCO-18-S2-P3	Centrolobium tomentosum	1.0		-	-	1.0	299.0	-	-	-	299.0	29.9	29.9	239.2
SANTA CRUZ	Yapacaní	Juan Choque; Danila Callau Vargas;	SCZ-ICH-YAP-14D-025-S1-P1	Calophyllum brasiliense	1.0		-	-	1.0	283.3	-	-	-	283.3	28.3	28.3	226.7
SANTA CRUZ	Yapacaní	Lidia Laime Laime;	SCZ-ICH-YAP-CLI-026-S1-P1	Calophyllum brasiliense	1.4		-	-	1.4	396.7	-	-	-	396.7	39.7	39.7	317.3
SANTA CRUZ	Yapacaní	Lidia Laime Laime;	SCZ-ICH-YAP-CLI-026-S1-P2	Calophyllum brasiliense	0.4		-	-	0.4	113.3	-	-	-	113.3	11.3	11.3	90.7
SANTA CRUZ	Yapacaní	Lorenzo Laime Colque;	SCZ-ICH-YAP-CUF-009-S1-P1r	Calophyllum brasiliense	-		-	1.0	1.0	-	-	-	286.9	286.9	28.7	28.7	229.5
SANTA CRUZ	Yapacaní	Oscar Melgarejo Camacho;	SCZ-ICH-YAP-CGV-024-S1-P1	Calophyllum brasiliense	-		1.0	-	1.0	-	-	284.8	-	284.8	28.5	28.5	227.8
SANTA CRUZ	Yapacaní	Pablo Flores Siles;	SCZ-ICH-YAP-CGV-033-S1-P1	Calophyllum brasiliense	-		1.0	-	1.0	-	-	284.8	-	284.8	28.5	28.5	227.8

Dept	Municipality	Farmers name	Tree specie planted	Tree specie planted	Surface planted (Ha)					N GHG reduction (tCO2e) ex ante + ex post					Retained (10%) by ArBolia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)
					Perennial	Grass land	Grass land with trees	Annual	Total Surface planted	Perennial	Grass land	Grass land with trees	Annual	Total tCO2e			
SANTA CRUZ	Yapacaní	Robustiano Mondaque;	SCZ-ICH-YAP-25Y-09-S4-P4	Calophyllum brasiliense	0.7	-	-	-	0.7	198.3	-	-	-	198.3	19.8	19.8	158.7
SANTA CRUZ	Yapacaní	Roque Valeriano Choque;	SCZ-ICH-YAP-2AG-18-S9-P9	Calophyllum brasiliense	1.4	-	-	-	1.4	396.7	-	-	-	396.7	39.7	39.7	317.3
SANTA CRUZ	Yapacaní	Samuel Laime Laime;	SCZ-ICH-YAP-CLI-015-S1-P1	Calophyllum brasiliense	-	-	1.0	-	1.0	-	-	284.8	-	284.8	28.5	28.5	227.8
SANTA CRUZ	Yapacaní	Susana Cespedes Montaño;	SCZ-ICH-YAP-TER-020-S1-P1	Centrolobium tomentosum	1.2	-	-	-	1.2	358.8	-	-	-	358.8	35.9	35.9	287.0
SANTA CRUZ	Yapacaní	Susana Cespedes Montaño;	SCZ-ICH-YAP-TER-020-S1-P2	Centrolobium tomentosum	0.8	-	-	-	0.8	239.2	-	-	-	239.2	23.9	23.9	191.3
SANTA CRUZ	Yapacaní	Wilson Jimenez Terrazas;	SCZ-ICH-YAP-TER-13-S2-P1	Calophyllum brasiliense	1.0	-	-	-	1.0	283.3	-	-	-	283.3	28.3	28.3	226.7
Total									58.6	10,575.9	-	854.3	5,688.6	17,118.7	1,711.9	1,711.9	13,695.0

Annex 2: Ongoing monitoring results for all participants

General data per specie per ha

Tree specie planted	Net GHG removal (tCO2e/ha)				Rotation	Years to average	MAI to average (CO2 year/ha)			
	Perennial (tCO2e/Ha)	Grassland (tCO2e/Ha)	Grassland with trees (tCO2e/Ha)	Annual (tCO2e/Ha)			MAI Perennial (tCO2e/Ha)	MAI Grassland (tCO2e/Ha)	MAI Grassland with trees (tCO2e/Ha)	MAI Annual (tCO2e/Ha)
Buchenavia oxycarpa	231.9	232.8	232.8	234.0	35	18	12.9	12.9	12.9	13.0
Calophyllum brasiliense	283.3	284.8	284.8	286.9	23	13	21.8	21.9	21.9	22.1
Cedrela fissilis	228.4	229.3	229.3	230.5	24	11	20.8	20.8	20.8	21.0
Centrolobium tomentosum	299.0	300.4	300.4	302.5	24	11	27.2	27.3	27.3	27.5
Clarisia racemosa	274.9	275.8	275.8	277.1	35	18	15.3	15.3	15.3	15.4
Dipteryx odorata	274.9	275.8	275.8	277.1	35	18	15.3	15.3	15.3	15.4
Guarea rusby	298.7	300.7	300.7	303.6	17	11	27.2	27.3	27.3	27.6
Hymenaea courbaril	234.0	234.9	234.9	236.2	35	18	13.0	13.0	13.0	13.1
Schizolobium amazonicum	248.2	250.8	250.8	254.5	13	6	41.4	41.8	41.8	42.4
Stryphnodendron purpureum	259.6	261.0	261.0	263.0	12	7	37.1	37.3	37.3	37.6
Swietenia macrophylla	228.4	229.3	229.3	230.5	35	18	12.7	12.7	12.7	12.8
Tapirira guianensis	277.0	278.8	278.8	281.4	19	11	25.2	25.3	25.3	25.6
Tectona grandis	213.9	215.3	215.3	217.3	25	11	19.4	19.6	19.6	19.8
Terminalia amazonia	276.3	277.2	277.2	278.5	35	16	17.3	17.3	17.3	17.4
Terminalia oblonga	226.2	227.1	227.1	228.4	30	15	15.1	15.1	15.1	15.2
Virola flexuosa	200.8	201.6	201.6	202.9	25	13	15.4	15.5	15.5	15.6

Monitoring results

Total Net GHG removal per strata (tCO2e)

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV1	San Buenaventura	Carlos Virginio Martinez Cabeza;	LPZ-ITU-SBV-25M-018-S1-P1	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	28.1	28.1	20.5	7.7	2.8	1.1	24
PV1	San Buenaventura	Carlos Virginio Martinez Cabeza;	LPZ-ITU-SBV-25M-018-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	195.5	195.5	195.5	0.0	19.6	-3.6	180
PV1	San Buenaventura	Gregorio Alcaraz O;	LPZ-ITU-SBV-25M-0003-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	217.3	0.0	21.7	-4.0	200
PV1	San Buenaventura	Isabel Tarifa Gallardo de Rivero;	LPZ-ITU-SBV-25M-08-S2-P1	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	138.5	138.5	84.7	53.9	13.9	13.9	111
PV1	San Buenaventura	Isabel Tarifa Gallardo de Rivero;	LPZ-ITU-SBV-25M-08-S2-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	151.3	151.3	151.3	0.0	15.1	15.1	121
PV1	San Buenaventura	Isabel Tarifa Gallardo de Rivero;	LPZ-ITU-SBV-25M-08-S2-P3	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	151.3	151.3	151.3	0.0	15.1	15.1	121
PV1	San Buenaventura	Isidora Cano Carlos;	LPZ-ITU-SBV-25M-004-S1-P1a	Tectona grandis	25.0	11.0	0.0	0.0	0.0	152.1	152.1	152.1	0.0	15.2	-2.8	140
PV1	San Buenaventura	Justo Carmona Padilla;	LPZ-ITU-SBV-25M-19-S1-P1	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	277.1	277.1	46.2	230.9	27.7	27.7	222
PV1	San Buenaventura	Porfidia Torrez Torrez;	LPZ-ITU-SBV-25M-03-S1-P1	Cedrela fissilis	24.0	11.0	0.0	0.0	0.0	4.6	4.6	4.2	0.4	0.5	0.5	4

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV1	San Buenaventura	Porfidia Torrez Torrez;	LPZ-ITU-SBV-25M-03-S1-P1	Swietenia macrophylla	35.0	18.0	0.0	0.0	0.0	6.9	6.9	3.8	3.1	0.7	0.7	6
PV1	San Buenaventura	Porfidia Torrez Torrez;	LPZ-ITU-SBV-25M-03-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	228.1	228.1	207.4	20.7	22.8	-4.2	209
PV1	San Buenaventura	Rosa Rivera Almazan;	LPZ-ITU-SBV-25M-029-S1-P1a	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	45.0	45.0	36.8	8.2	4.5	1.8	39
PV1	San Buenaventura	Rosa Rivera Almazan;	LPZ-ITU-SBV-25M-029-S1-P1a	Tectona grandis	25.0	11.0	0.0	0.0	0.0	73.9	73.9	73.9	0.0	7.4	-1.3	68
PV1	San Buenaventura	Victoriano Rivera Almazan;	LPZ-ITU-SBV-25M-32-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	108.6	0.0	10.9	-2.0	100
PV1	San Buenaventura	Victoriano Rivera Almazan;	LPZ-ITU-SBV-25M-32-S1-P2	Buchenavia oxicarpa	35.0	18.0	0.0	0.0	0.0	117.0	117.0	71.5	45.5	11.7	11.7	94
PV1	San Buenaventura	Abel Cartagena Silva;	LPZ-ITU-SBV-BAT-09-S1-PV2	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	143.4	143.4	99.3	44.1	14.3	14.3	115
PV1	San Buenaventura	Felix Mamio Guamona;	LPZ-ITU-SBV-BAT-01-S1-P1	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	52.6	52.6	67.6	-15.0	5.3	5.3	42
PV1	San Buenaventura	Felix Mamio Guamona;	LPZ-ITU-SBV-BAT-01-S1-P1	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	95.7	95.7	78.3	17.4	9.6	3.7	82
PV1	San Buenaventura	Felix Mamio Guamona;	LPZ-ITU-SBV-BAT-01-S1-P1	Terminalia oblonga	30.0	15.0	0.0	0.0	0.0	105.0	105.0	77.0	28.0	10.5	10.5	84

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV1	San Buenaventura	Felix Mamio Guamona;	LPZ-ITU-SBV-BAT-01-S2-P2	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	277.1	277.1	153.9	123.1	27.7	27.7	222
PV1	San Buenaventura	Alcides Serato Alvarez;	LPZ-ITU-SBV-BNT-51-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	197.5	19.8	21.7	-4.0	200
PV1	San Buenaventura	Humberto Leal Terrazas;	LPZ-ITU-SBV-BNT-017-S4-P3	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	118.3	118.3	152.1	-33.8	11.8	11.8	95
PV1	San Buenaventura	Humberto Leal Terrazas;	LPZ-ITU-SBV-BNT-017-S4-P3	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	14.1	14.1	10.2	3.8	1.4	0.5	12
PV1	San Buenaventura	Lorenzo Chau Quenebo;	LPZ-ITU-SBV-COP-04-S1-P1	Terminalia oblonga	30.0	15.0	226.2	0.0	0.0	0.0	226.2	165.9	60.3	22.6	22.6	181
PV1	San Buenaventura	Luis Angel Cartagena Mamio;	LPZ-ITU-SBV-COP-03-S1-P1	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	15.8	15.8	20.3	-4.5	1.6	1.6	13
PV1	San Buenaventura	Luis Angel Cartagena Mamio;	LPZ-ITU-SBV-COP-03-S1-P1	Terminalia oblonga	30.0	15.0	0.0	0.0	0.0	214.7	214.7	143.1	71.6	21.5	21.5	172
PV1	San Buenaventura	Alfredo Ramos Anachuri;	LPZ-ITU-SBV-CIN-13-S2-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	217.3	0.0	21.7	-4.0	200
PV1	San Buenaventura	Genaro Portal Ortega;	LPZ-ITU-SBV-CIN-04-S1-P1a	Tectona grandis	25.0	11.0	0.0	0.0	0.0	130.4	130.4	130.4	0.0	13.0	-2.4	120
PV1	San Buenaventura	Genaro Portal Ortega;	LPZ-ITU-SBV-CIN-04-S1-P1Bs	Tectona grandis	25.0	11.0	0.0	0.0	0.0	21.7	21.7	17.8	4.0	2.2	-0.4	20

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV1	San Buenaventura	Eloy Miranda Canaviri;	LPZ-ITU-SBV-CLD-00-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	152.1	152.1	131.4	20.7	15.2	-2.8	140
PV1	San Buenaventura	Flora Miranda Canabiri;	LPZ-ITU-SBV-CLD-001-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	217.3	0.0	21.7	-4.0	200
PV1	San Buenaventura	Evangelina Sejas De Peredo;	LPZ-ITU-SBV-ESM-18-S1-P1a	Tectona grandis	25.0	11.0	85.6	0.0	0.0	0.0	85.6	85.6	0.0	8.6	-2.1	79
PV1	San Buenaventura	Evangelina Sejas De Peredo;	LPZ-ITU-SBV-ESM-18-S1-P2a	Tapirira guianensis	19.0	11.0	110.8	0.0	0.0	0.0	110.8	110.8	0.0	11.1	3.5	96
PV1	San Buenaventura	Edgar Gonzales Callpa;	LPZ-ITU-SBV-EVE-06-S1-P1	Swietenia macrophylla	35.0	18.0	0.0	0.0	0.0	4.6	4.6	2.6	2.0	0.5	0.5	4
PV1	San Buenaventura	Edgar Gonzales Callpa;	LPZ-ITU-SBV-EVE-06-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	104.3	104.3	94.8	9.5	10.4	-1.9	96
PV1	San Buenaventura	Juan Carlos Guizada Rios;	LPZ-ITU-SBV-EVE-011-S1-P1a	Tectona grandis	25.0	11.0	0.0	0.0	0.0	86.9	86.9	79.0	7.9	8.7	-1.6	80
PV1	San Buenaventura	Juan Carlos Guizada Rios;	LPZ-ITU-SBV-EVE-011-S1-P2a	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	61.0	61.0	10.2	50.8	6.1	6.1	49
PV1	San Buenaventura	Benedicto Quispe Catunta;	LPZ-ITU-SBV-HUR-04-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	217.3	0.0	21.7	-4.0	200
PV1	San Buenaventura	Benedicto Quispe Catunta;	LPZ-ITU-SBV-HUR-04-S2-P2	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	98.8	9.9	10.9	-2.0	100

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV1	San Buenaventura	Felipa Alanoca Huaycho;	LPZ-ITU-SBV-HUR-46-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	42.4	42.4	34.7	7.7	4.2	4.2	34
PV1	San Buenaventura	Felipa Alanoca Huaycho;	LPZ-ITU-SBV-HUR-46-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	186.9	186.9	186.9	0.0	18.7	-3.4	172
PV1	San Buenaventura	Felipa Alanoca Huaycho;	LPZ-ITU-SBV-HUR-46-S2-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	45.4	45.4	41.3	4.1	4.5	4.5	36
PV1	San Buenaventura	Felipa Alanoca Huaycho;	LPZ-ITU-SBV-HUR-46-S2-P2	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	235.5	235.5	130.8	104.7	23.6	23.6	188
PV1	San Buenaventura	Felipa Alanoca Huaycho;	LPZ-ITU-SBV-HUR-46-S2-P3	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	60.5	60.5	55.0	5.5	6.1	6.1	48
PV1	San Buenaventura	Gumercindo Porco Collque;	LPZ-ITU-SBV-HUR-02-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	217.3	0.0	21.7	-4.0	200
PV1	San Buenaventura	Marcelino Churqui Juaniquina;	LPZ-ITU-SBV-HUR-036-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	325.9	325.9	237.0	88.9	32.6	-5.9	299
PV1	San Buenaventura	Serafin Flores Garcia;	LPZ-ITU-SBV-HUR-12-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	66.6	66.6	54.5	12.1	6.7	6.7	53
PV1	San Buenaventura	Serafin Flores Garcia;	LPZ-ITU-SBV-HUR-12-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	169.5	169.5	169.5	0.0	16.9	-3.1	156

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolia	Issuance request
PV1	San Buenaventura	Vicenta Martinez Torrez Vda. de Avendaño;	LPZ-ITU-SBV-HUR-08-S1-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	12.1	12.1	12.1	0.0	1.2	1.2	10
PV1	San Buenaventura	Vicenta Martinez Torrez Vda. de Avendaño;	LPZ-ITU-SBV-HUR-08-S1-P2	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	127.5	127.5	56.6	70.8	12.7	12.7	102
PV1	San Buenaventura	Vicenta Martinez Torrez Vda. de Avendaño;	LPZ-ITU-SBV-HUR-08-S1-P3	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	47.8	47.8	39.1	8.7	4.8	1.9	41
PV1	San Buenaventura	Vicenta Martinez Torrez Vda. de Avendaño;	LPZ-ITU-SBV-HUR-08-S1-P3	Tectona grandis	25.0	11.0	0.0	0.0	0.0	71.7	71.7	71.7	0.0	7.2	-1.3	66
PV1	San Buenaventura	Victor Severo Huanca Quispe;	LPZ-ITU-SBV-HUR-8-S1-P1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	143.4	143.4	99.3	44.1	14.3	14.3	115
PV1	San Buenaventura	Victor Severo Huanca Quispe;	LPZ-ITU-SBV-HUR-8-S2-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	121.0	121.0	99.0	22.0	12.1	12.1	97
PV1	San Buenaventura	Victor Severo Huanca Quispe;	LPZ-ITU-SBV-HUR-8-S2-P2	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	28.1	28.1	20.5	7.7	2.8	1.1	24

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolia	Issuance request
PV1	San Buenaventura	Victor Severo Huanca Quispe;	LPZ-ITU-SBV-HUR-8-S5-P3	Swietenia macrophylla	35.0	18.0	0.0	0.0	0.0	2.3	2.3	1.2	1.2	0.2	0.2	2
PV1	San Buenaventura	Victor Severo Huanca Quispe;	LPZ-ITU-SBV-HUR-8-S5-P3	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	137.9	137.9	112.8	25.1	13.8	5.4	119
PV1	San Buenaventura	Leonardo Ojeda Cori;	LPZ-ITU-SBV-LEM-7-SL1-PL1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	108.6	0.0	10.9	-2.0	100
PV1	San Buenaventura	Leonardo Ojeda Cori;	LPZ-ITU-SBV-LEM-7-SL2-PL2a	Terminalia amazonia	35.0	16.0	0.0	0.0	0.0	69.6	69.6	47.9	21.8	7.0	7.0	56
PV1	San Buenaventura	Eulogio Rodriguez Ortega;	LPZ-ITU-SBV-MAY-047-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	760.5	760.5	760.5	0.0	76.0	-13.9	698
PV1	San Buenaventura	Eulogio Rodriguez Ortega;	LPZ-ITU-SBV-MAY-047-S2-P2	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	197.5	19.8	21.7	-4.0	200
PV1	San Buenaventura	Eulogio Rodriguez Ortega;	LPZ-ITU-SBV-MAY-047-S2-P3	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	124.0	124.0	112.8	11.3	12.4	12.4	99
PV1	San Buenaventura	Eulogio Rodriguez Ortega;	LPZ-ITU-SBV-MAY-047-S2-P3	Tectona grandis	25.0	11.0	0.0	0.0	0.0	19.6	19.6	16.0	3.6	2.0	-0.4	18
PV1	San Buenaventura	Jorge Elias Valdez Camacho;	LPZ-ITU-SBV-NPL-1-S1-P1	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	166.2	166.2	83.1	83.1	16.6	16.6	133

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV1	San Buenaventura	Patrocinio Revollo Mejia;	LPZ-ITU-SBV-NPL-14-S1-P2	Tectona grandis	25.0	11.0	106.9	0.0	0.0	0.0	106.9	106.9	0.0	10.7	-2.6	99
PV1	San Buenaventura	Patrocinio Revollo Mejia;	LPZ-ITU-SBV-NPL-14-S1-P3	Centrolobium tomentosum	24.0	11.0	14.9	0.0	0.0	0.0	14.9	12.2	2.7	1.5	1.5	12
PV1	San Buenaventura	Patrocinio Revollo Mejia;	LPZ-ITU-SBV-NPL-14-S1-P3	Tapirira guianensis	19.0	11.0	110.8	0.0	0.0	0.0	110.8	110.8	0.0	11.1	3.5	96
PV1	San Buenaventura	Patrocinio Revollo Mejia;	LPZ-ITU-SBV-NPL-14-S1-P3	Tectona grandis	25.0	11.0	10.7	0.0	0.0	0.0	10.7	10.7	0.0	1.1	-0.3	10
PV1	San Buenaventura	Patrocinio Revollo Mejia;	LPZ-ITU-SBV-NPL-14-S2-P5	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	6.1	6.1	5.0	1.1	0.6	0.6	5
PV1	San Buenaventura	Patrocinio Revollo Mejia;	LPZ-ITU-SBV-NPL-14-S2-P5	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	207.8	207.8	115.5	92.4	20.8	20.8	166
PV1	San Buenaventura	Patrocinio Revollo Mejia;	LPZ-ITU-SBV-NPL-14-S2-P5	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	8.4	8.4	6.9	1.5	0.8	0.3	7
PV1	San Buenaventura	Alfredo Senzano Agramont;	LPZ-ITU-SBV-SBP-30-S1-P1	Tectona grandis	25.0	11.0	213.9	0.0	0.0	0.0	213.9	194.4	19.4	21.4	-5.3	198
PV1	San Buenaventura	German Martinez Torrez;	LPZ-ITU-SBV-SBP-041-S3-P3	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	277.1	277.1	169.3	107.8	27.7	27.7	222
PV1	San Buenaventura	Juan Garcia Anabamba;	LPZ-ITU-SBV-SBP-37-VS1-PV1	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	140.7	140.7	115.1	25.6	14.1	5.5	121

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV1	San Buenaventura	Juan Garcia Anabamba;	LPZ-ITU-SBV-SBP-37-VS2-PV2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	151.3	151.3	123.8	27.5	15.1	15.1	121
PV1	San Buenaventura	Mariol Fessy Gonzales;	LPZ-ITU-SBV-SBP-06-S1-P1	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	56.3	56.3	56.3	0.0	5.6	2.2	48
PV1	San Buenaventura	Mariol Fessy Gonzales;	LPZ-ITU-SBV-SBP-06-S1-P2	Terminalia oblonga	30.0	15.0	0.0	0.0	0.0	45.7	45.7	33.5	12.2	4.6	4.6	37
PV1	San Buenaventura	Mariol Fessy Gonzales;	LPZ-ITU-SBV-SBP-06-S1-P3	Tectona grandis	25.0	11.0	0.0	0.0	0.0	43.5	43.5	43.5	0.0	4.3	-0.8	40
PV1	San Buenaventura	Mariol Fessy Gonzales;	LPZ-ITU-SBV-SBP-06-S2-P4	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	199.8	199.8	199.8	0.0	20.0	7.8	172
PV1	San Buenaventura	Mariol Fessy Gonzales;	LPZ-ITU-SBV-SBP-06-S2-P4	Tectona grandis	25.0	11.0	0.0	0.0	0.0	63.0	63.0	45.8	17.2	6.3	-1.1	58
PV1	San Buenaventura	Martin Laura Mamani;	LPZ-ITU-SBV-SBP-004-S1-P1a	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	182.9	182.9	49.9	133.0	18.3	7.1	157
PV1	San Buenaventura	Martin Laura Mamani;	LPZ-ITU-SBV-SBP-004-S1-P1br	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	75.6	75.6	20.6	55.0	7.6	7.6	61
PV1	San Buenaventura	Martin Laura Mamani;	LPZ-ITU-SBV-SBP-004-S1-P1br	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	28.1	28.1	7.7	20.5	2.8	1.1	24

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolia	Issuance request
PV1	San Buenaventura	Natalia Ticona De Chamizo;	LPZ-ITU-SBV-SBP-022-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	1086.4	1086.4	1086.4	0.0	108.6	-19.8	998
PV1	San Buenaventura	Petrona Chao Amutari;	LPZ-ITU-SBV-SBP-05-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	302.5	0.0	30.3	30.3	242
PV1	San Buenaventura	Alicia Escobar Queteguari;	LPZ-ITU-SBV-SID-25-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	434.5	434.5	381.9	52.7	43.5	-7.9	399
PV1	San Buenaventura	Domingo Cuajera Ortiz;	LPZ-ITU-SBV-SID-44-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	217.3	0.0	21.7	-4.0	200
PV1	San Buenaventura	Marcelo Nahui Ilimuri;	LPZ-ITU-SBV-SID-37-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	108.6	0.0	10.9	-2.0	100
PV1	San Buenaventura	Marcelo Nahui Ilimuri;	LPZ-ITU-SBV-SID-37-S1-P2	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	140.7	140.7	102.3	38.4	14.1	5.5	121
PV1	San Buenaventura	Maximiliana Emma Pacha Velasco;	LPZ-ITU-SBV-SID-48-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	217.3	0.0	21.7	-4.0	200
PV1	San Buenaventura	Carlos Antonio Ybaguari Quenevo;	LPZ-ITU-SBV-SSR-02-S1-P1	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	138.5	138.5	84.7	53.9	13.9	13.9	111
PV1	San Buenaventura	Carlos Antonio Ybaguari Quenevo;	LPZ-ITU-SBV-SSR-02-S1-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	151.3	151.3	151.3	0.0	15.1	15.1	121

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PV1	San Buenaventura	Estanislao Amutari Queteguari;	LPZ-ITU-SBV-SSR-11-S1-P1	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	138.5	138.5	84.7	53.9	13.9	13.9	111
PV1	San Buenaventura	Estanislao Amutari Queteguari;	LPZ-ITU-SBV-SSR-11-S1-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	151.3	151.3	151.3	0.0	15.1	15.1	121
PV1	San Buenaventura	Felcy Amutari Chao;	LPZ-ITU-SBV-SSR-002-S1-P1a	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	108.6	0.0	10.9	-2.0	100
PV1	San Buenaventura	Nelo Luis Quenevo Macuapa;	LPZ-ITU-SBV-SSR-004-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	54.5	54.5	44.6	9.9	5.4	5.4	44
PV1	San Buenaventura	Nelo Luis Quenevo Macuapa;	LPZ-ITU-SBV-SSR-004-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	178.2	178.2	178.2	0.0	17.8	-3.2	164
PV1	San Buenaventura	Nelo Luis Quenevo Macuapa;	LPZ-ITU-SBV-SSR-004-S2-P2	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	91.4	91.4	50.8	40.6	9.1	9.1	73
PV1	San Buenaventura	Nelo Luis Quenevo Macuapa;	LPZ-ITU-SBV-SSR-004-S2-P2	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	44.7	44.7	19.2	25.5	4.5	4.5	36
PV1	San Buenaventura	Rolando Queteguari Ibaguari;	LPZ-ITU-SBV-SSR-001-S2-P2	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	2.9	2.9	1.8	1.1	0.3	0.3	2
PV1	San Buenaventura	Rolando Queteguari Ibaguari;	LPZ-ITU-SBV-SSR-001-S2-P2	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	135.8	135.8	75.4	60.3	13.6	13.6	109
PV1	San Buenaventura	Rolando Queteguari Ibaguari;	LPZ-ITU-SBV-SSR-001-S2-P3	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	28.7	28.7	19.9	8.8	2.9	2.9	23

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PV1	San Buenaventura	Rolando Queteguari Ibaguari;	LPZ-ITU-SBV-SSR-001-S2-P3	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	121.0	121.0	99.0	22.0	12.1	12.1	97
PV1	San Buenaventura	Benito Aruquipa Trujillo;	LPZ-ITU-SBV-STA-07-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	434.5	434.5	434.5	0.0	43.5	-7.9	399
PV1	San Buenaventura	Benito Aruquipa Trujillo;	LPZ-ITU-SBV-STA-07-S2-P2	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	217.3	0.0	21.7	-4.0	200
PV1	San Buenaventura	Benito Aruquipa Trujillo;	LPZ-ITU-SBV-STA-07-S2-P3	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	197.5	19.8	21.7	-4.0	200
PV1	San Buenaventura	Elsa Ruiz Cespedes;	LPZ-ITU-SBV-STA-50-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	197.5	19.8	21.7	-4.0	200
PV1	San Buenaventura	Felix Condori Parapo;	LPZ-ITU-SBV-STA-067-S1-P1	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	277.1	277.1	143.7	133.4	27.7	27.7	222
PV1	San Buenaventura	Felix Condori Parapo;	LPZ-ITU-SBV-STA-067-S1-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	21.2	21.2	13.5	7.7	2.1	2.1	17
PV1	San Buenaventura	Felix Condori Parapo;	LPZ-ITU-SBV-STA-067-S1-P2	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	121.0	121.0	99.0	22.0	12.1	4.7	104
PV1	San Buenaventura	Martha Huarachi Ramos;	LPZ-ITU-SBV-STA-065-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	108.6	0.0	10.9	-2.0	100
PV1	San Buenaventura	Martha Huarachi Ramos;	LPZ-ITU-SBV-STA-065-S1-P2r	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	11.3	11.3	3.1	8.2	1.1	0.4	10

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PV1	San Buenaventura	Martha Huarachi Ramos;	LPZ-ITU-SBV-STA-065-S1-P2r	Tectona grandis	25.0	11.0	0.0	0.0	0.0	99.9	99.9	27.3	72.7	10.0	-1.8	92
PV1	San Buenaventura	Quintin Ticona Yañez;	LPZ-ITU-SBV-STA-066-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	217.3	0.0	21.7	-4.0	200
PV1	San Buenaventura	Aquelina Valdez Chao;	LPZ-ITU-SBV-TUM-14-S1-P1	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	28.1	28.1	20.5	7.7	2.8	1.1	24
PV1	San Buenaventura	Aquelina Valdez Chao;	LPZ-ITU-SBV-TUM-14-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	304.2	304.2	276.5	27.7	30.4	-5.5	279
PV1	San Buenaventura	Feliciano Medina Chamaro;	LPZ-ITU-SBV-TUM-025-S2-P2	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	277.1	277.1	169.3	107.8	27.7	27.7	222
PV1	San Buenaventura	Juan Beyuma Chao;	LPZ-ITU-SBV-TUM-10-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	98.8	9.9	10.9	-2.0	100
PV1	San Buenaventura	Juan Beyuma Chao;	LPZ-ITU-SBV-TUM-10-S1-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	75.6	75.6	68.8	6.9	7.6	7.6	61
PV1	San Buenaventura	Macario Villca Poma;	LPZ-ITU-SBV-TUM-003-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	217.3	0.0	21.7	-4.0	200
PV1	San Buenaventura	Nestor Medina Gonzales;	LPZ-ITU-SBV-TUM-13-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	130.4	130.4	118.5	11.9	13.0	-2.4	120
PV1	San Buenaventura	Pedro Benito Marupa Macuapa;	LPZ-ITU-SBV-TUM-03-S1-P1a	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	51.6	51.6	35.7	15.9	5.2	5.2	41

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolívia	Issuance request
PV1	San Buenaventura	Pedro Benito Marupa Macuapa;	LPZ-ITU-SBV-TUM-03-S1-P1a	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	16.6	16.6	8.3	8.3	1.7	1.7	13
PV1	San Buenaventura	Pedro Benito Marupa Macuapa;	LPZ-ITU-SBV-TUM-03-S1-P1a	Tectona grandis	25.0	11.0	0.0	0.0	0.0	121.7	121.7	110.6	11.1	12.2	-2.2	112
PV1	San Buenaventura	Pedro Benito Marupa Macuapa;	LPZ-ITU-SBV-TUM-03-S1-P1Bs	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	45.0	45.0	12.3	32.7	4.5	1.8	39
PV1	San Buenaventura	Pedro Benito Marupa Macuapa;	LPZ-ITU-SBV-TUM-03-S1-P1Bs	Tectona grandis	25.0	11.0	0.0	0.0	0.0	8.7	8.7	2.4	6.3	0.9	-0.2	8
PV2	Puerto Villarroel	Jose Vitalio Sanchez Montecinos;	CBA-CRO-PVR-9AG-07-S1-P1	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	196.9	196.9	161.1	35.8	19.7	7.7	170
PV2	Puerto Villarroel	Jose Vitalio Sanchez Montecinos;	CBA-CRO-PVR-9AG-07-SV2-PV2	Centrolobium tomentosum	24.0	11.0	269.1	0.0	0.0	0.0	269.1	220.2	48.9	26.9	26.9	215
PV2	Puerto Villarroel	Jose Vitalio Sanchez Montecinos;	CBA-CRO-PVR-9AG-07-SV2-PV3	Dipteryx odorata	35.0	18.0	247.4	0.0	0.0	0.0	247.4	123.7	123.7	24.7	24.7	198
PV2	Puerto Villarroel	Melina Miranda Padilla;	CBA-CRO-PVR-AST-24-S1-P1	Centrolobium tomentosum	24.0	11.0	373.7	0.0	0.0	0.0	373.7	271.8	101.9	37.4	37.4	299

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolia	Issuance request
PV2	Puerto Villarroel	Melina Miranda Padilla;	CBA-CRO-PVR-AST-24-S1-P1	Guarea rusby	17.0	11.0	74.7	0.0	0.0	0.0	74.7	54.3	20.4	7.5	7.5	60
PV2	Puerto Villarroel	Valentina Riva de Chura;	CBA-CRO-PVR-ALZ-2-S1-P1	Dipteryx odorata	35.0	18.0	274.9	0.0	0.0	0.0	274.9	137.5	137.5	27.5	27.5	220
PV2	Puerto Villarroel	Valentina Riva de Chura;	CBA-CRO-PVR-ALZ-2-S2-P2	Dipteryx odorata	35.0	18.0	797.3	0.0	0.0	0.0	797.3	398.7	398.7	79.7	79.7	638
PV2	Puerto Villarroel	Casta Rosales Pay;	CBA-CRO-PVR-GVR-56-SV1-PV1	Guarea rusby	17.0	11.0	657.1	0.0	0.0	0.0	657.1	448.0	209.1	65.7	65.7	526
PV2	Puerto Villarroel	Serafina Tola Onofre;	CBA-CRO-PVR-GVR-09-SV1-PV1	Dipteryx odorata	35.0	18.0	384.9	0.0	0.0	0.0	384.9	171.1	213.8	38.5	38.5	308
PV2	Puerto Villarroel	Agustin Mamani Melendres;	CBA-CRO-PVR-VHM-31V-S1-P1	Centrolobium tomentosum	24.0	11.0	299.0	0.0	0.0	0.0	299.0	217.4	81.5	29.9	29.9	239
PV2	Puerto Villarroel	Ausberto Garcia Mejia;	CBA-CRO-PVR-VHM-47-S1-P1	Centrolobium tomentosum	24.0	11.0	538.2	0.0	0.0	0.0	538.2	440.3	97.8	53.8	53.8	431
PV2	Puerto Villarroel	Ausberto Garcia Mejia;	CBA-CRO-PVR-VHM-47-S1-P1	Guarea rusby	17.0	11.0	358.4	0.0	0.0	0.0	358.4	260.7	97.8	35.8	35.8	287
PV2	Puerto Villarroel	Enrique Mamani Aspety;	CBA-CRO-PVR-VHM-72-S2-P2	Centrolobium tomentosum	24.0	11.0	299.0	0.0	0.0	0.0	299.0	217.4	81.5	29.9	29.9	239

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV2	Puerto Villarroel	Enrique Mamani Aspety;	CBA-CRO-PVR-VHM-72-SV1-PV1	Centrolobium tomentosum	24.0	11.0	269.1	0.0	0.0	0.0	269.1	195.7	73.4	26.9	26.9	215
PV2	Puerto Villarroel	Enrique Mamani Aspety;	CBA-CRO-PVR-VHM-72-SV3-PV3	Guarea rusby	17.0	11.0	238.9	0.0	0.0	0.0	238.9	184.6	54.3	23.9	23.9	191
PV2	Puerto Villarroel	Gregorio Lopez Fernandez;	CBA-CRO-PVR-VHM-46-S1-P1	Dipteryx odorata	35.0	18.0	274.9	0.0	0.0	0.0	274.9	137.5	137.5	27.5	27.5	220
PV2	Puerto Villarroel	Juliana Rodriguez de Cuba;	CBA-CRO-PVR-VHM-40-S1-P1	Centrolobium tomentosum	24.0	11.0	119.6	0.0	0.0	0.0	119.6	87.0	32.6	12.0	12.0	96
PV2	Puerto Villarroel	Juliana Rodriguez de Cuba;	CBA-CRO-PVR-VHM-40-SV2-PV2	Dipteryx odorata	35.0	18.0	247.4	0.0	0.0	0.0	247.4	123.7	123.7	24.7	24.7	198
PV2	Puerto Villarroel	Juliana Rodriguez de Cuba;	CBA-CRO-PVR-VHM-40-SV3-PV3	Centrolobium tomentosum	24.0	11.0	179.4	0.0	0.0	0.0	179.4	138.6	40.8	17.9	17.9	144
PV2	Puerto Villarroel	Mariano Chura Herrera;	CBA-CRO-PVR-VHM-012c-S1-P1	Dipteryx odorata	35.0	18.0	549.9	0.0	0.0	0.0	549.9	274.9	274.9	55.0	55.0	440
PV2	Puerto Villarroel	Martin Perez Garcia;	CBA-CRO-PVR-VHM-27-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	151.3	151.3	110.0	41.3	15.1	15.1	121

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV2	Puerto Villarroel	Martin Perez Garcia;	CBA-CRO-PVR-VHM-27V-S1-P1	Centrolobium tomentosum	24.0	11.0	777.3	0.0	0.0	0.0	777.3	588.9	188.4	77.7	77.7	622
PV2	Puerto Villarroel	Natalio Aguilar Colque;	CBA-CRO-PVR-VHM-38-SV1-PV1	Dipteryx odorata	35.0	18.0	769.8	0.0	0.0	0.0	769.8	384.9	384.9	77.0	77.0	616
PV2	Puerto Villarroel	Nemesio Quinteros Delgadillo;	CBA-CRO-PVR-VHM-58-SV1-PV1a	Centrolobium tomentosum	24.0	11.0	299.0	0.0	0.0	0.0	299.0	244.6	54.4	29.9	29.9	239
PV2	Puerto Villarroel	Nemesio Quinteros Delgadillo;	CBA-CRO-PVR-VHM-58-SV1-PV1b	Centrolobium tomentosum	24.0	11.0	538.2	0.0	0.0	0.0	538.2	440.3	97.8	53.8	53.8	431
PV2	Puerto Villarroel	Nemesio Quinteros Delgadillo;	CBA-CRO-PVR-VHM-58-SV1-PV1b	Guarea rusby	17.0	11.0	657.1	0.0	0.0	0.0	657.1	477.9	179.2	65.7	65.7	526
PV2	Puerto Villarroel	Victoriano Jimenez Kupe;	CBA-CRO-PVR-VHM-11-S1-P1	Buchenavia oxycarpa	35.0	18.0	231.9	0.0	0.0	0.0	231.9	115.9	115.9	23.2	23.2	185
PV2	Puerto Villarroel	Victoriano Jimenez Kupe;	CBA-CRO-PVR-VHM-11-SV2-PV2	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	249.4	249.4	110.8	138.5	24.9	24.9	199
PV2	Puerto Villarroel	Angelica Carmona;	CBA-CRO-PVR-VVD-9-SV1-PV1	Buchenavia oxycarpa	35.0	18.0	0.0	0.0	0.0	140.4	140.4	70.2	70.2	14.0	14.0	112

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV2	Puerto Villarroel	Angelica Carmona;	CBA-CRO-PVR-VVD-9-SV1-PV1	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	110.8	110.8	52.3	58.5	11.1	11.1	89
PV2	Puerto Villarroel	Angelica Carmona;	CBA-CRO-PVR-VVD-9-SV2-PV2	Guarea rusby	17.0	11.0	0.0	0.0	0.0	485.7	485.7	368.0	117.8	48.6	48.6	389
PV2	Puerto Villarroel	Guillermo Delgadillo Vallejos;	CBA-CRO-PVR-VVD-13-S1-P1	Centrolobium tomentosum	24.0	11.0	209.3	0.0	0.0	0.0	209.3	171.2	38.1	20.9	20.9	167
PV2	Puerto Villarroel	Guillermo Delgadillo Vallejos;	CBA-CRO-PVR-VVD-13-S1-P1	Guarea rusby	17.0	11.0	89.6	0.0	0.0	0.0	89.6	65.2	24.4	9.0	9.0	72
PV2	Puerto Villarroel	Nilda Bonifas Cuba de Garcia;	CBA-CRO-PVR-VVD-9B-S1-P1	Dipteryx odorata	35.0	18.0	549.9	0.0	0.0	0.0	549.9	274.9	274.9	55.0	55.0	440
PV2	Reyes	Orlando Alcazar Ferrufino;	BEN-JBA-REY-RPP-01-S1-P1	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	131.5	131.5	187.8	-56.3	13.1	13.1	105
PV2	Reyes	Orlando Alcazar Ferrufino;	BEN-JBA-REY-RPP-01-S1-P2	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	98.8	9.9	10.9	-2.0	100
PV2	Reyes	Santos Eduardo Lopez Mano;	BEN-JBA-REY-RPP-04-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	434.5	434.5	395.0	39.5	43.5	-7.9	399
PV2	Reyes	Santos Eduardo Lopez Mano;	BEN-JBA-REY-RPP-04-S2-P2	Stryphnodendron purpureum	12.0	7.0	259.6	0.0	0.0	0.0	259.6	370.8	-111.2	26.0	26.0	208

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PV2	Reyes	Loisy Balderrama Amarara;	BEN-JBA-REY-SAJ-4-S1-P1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	215.1	215.1	140.7	74.5	21.5	21.5	172
PV2	Reyes	Loisy Balderrama Amarara;	BEN-JBA-REY-SAJ-4-S1-P1	Terminalia amazonia	35.0	16.0	0.0	0.0	0.0	69.6	69.6	39.2	30.5	7.0	7.0	56
PV2	Reyes	Maria Margoth Telleria Aguilera;	BEN-JBA-REY-SAJ-3-S1-P1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	229.5	229.5	150.0	79.4	22.9	22.9	184
PV2	Reyes	Maria Margoth Telleria Aguilera;	BEN-JBA-REY-SAJ-3-S1-P1	Terminalia amazonia	35.0	16.0	0.0	0.0	0.0	55.7	55.7	31.3	24.4	5.6	5.6	45
PV2	Rurrenabaque	Casiano Flores Ramos;	BEN-JBA-RBQ-CSD-07-S1-P1	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	131.5	131.5	187.8	-56.3	13.1	13.1	105
PV2	Rurrenabaque	Area Comunal Collana;	BEN-JBA-RBQ-CLL-001-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	434.5	434.5	375.3	59.3	43.5	-7.9	399
PV2	Rurrenabaque	Betto Laura Mamani;	BEN-JBA-RBQ-CLL-05-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	98.8	9.9	10.9	-2.0	100
PV2	Rurrenabaque	Betto Laura Mamani;	BEN-JBA-RBQ-CLL-05-S3-P3	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	138.5	138.5	77.0	61.6	13.9	13.9	111
PV2	Rurrenabaque	Domingo Huallpa Condori;	BEN-JBA-RBQ-CLL-41-S1-P1a	Tectona grandis	25.0	11.0	0.0	0.0	0.0	195.5	195.5	35.6	160.0	19.6	-3.6	180
PV2	Rurrenabaque	Domingo Huallpa Condori;	BEN-JBA-RBQ-CLL-41-S1-P2a	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	105.2	105.2	30.1	75.1	10.5	10.5	84

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PV2	Rurrenabaque	Victor Hugo Mamani Mamani;	BEN-JBA-RBQ-CLL-32-S1-P1a	Tectona grandis	25.0	11.0	171.1	0.0	0.0	0.0	171.1	46.7	124.4	17.1	-4.2	158
PV2	Rurrenabaque	Agustin Apo Huasnay;	BEN-JBA-RBQ-CLB-5-VS1-PV1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	143.4	143.4	93.8	49.6	14.3	14.3	115
PV2	Rurrenabaque	Cirilo Coronado Yolata;	BEN-JBA-RBQ-VJI-2-SL1-PL1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	302.5	0.0	30.3	30.3	242
PV2	Rurrenabaque	Evangelino Racua Cuellar;	BEN-JBA-RBQ-EBA-17-SL1-PL1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	151.3	151.3	137.5	13.8	15.1	15.1	121
PV2	Rurrenabaque	Evangelino Racua Cuellar;	BEN-JBA-RBQ-EBA-17-SL2-PL2	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	131.5	131.5	56.3	75.1	13.1	13.1	105
PV2	Rurrenabaque	Carlos Mencia Limpias;	BEN-JBA-RBQ-CEB-10-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	217.3	0.0	21.7	-4.0	200
PV2	Rurrenabaque	Julio Ruiz Tibi;	BEN-JBA-RBQ-CEB-13-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	30.3	30.3	6.9	23.4	3.0	3.0	24
PV2	Rurrenabaque	Julio Ruiz Tibi;	BEN-JBA-RBQ-CEB-13-S1-P1	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	112.5	112.5	30.7	81.8	11.3	4.4	97
PV2	Rurrenabaque	Julio Ruiz Tibi;	BEN-JBA-RBQ-CEB-13-S2-P2	Schizolobium amazonicum	13.0	6.0	0.0	0.0	0.0	127.2	127.2	233.3	-106.0	12.7	12.7	102

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PV2	Rurrenabaque	Delfin Machaca Zoto;	BEN-JBA-RBQ-LTG-02-S1-P1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	22.9	22.9	15.9	7.1	2.3	2.3	18
PV2	Rurrenabaque	Delfin Machaca Zoto;	BEN-JBA-RBQ-LTG-02-S1-P1	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	110.4	110.4	173.6	-63.1	11.0	11.0	88
PV2	Rurrenabaque	Rufino Choque Machaca;	BEN-JBA-RBQ-LTG-03-S1-P2	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	131.5	131.5	56.3	75.1	13.1	13.1	105
PV2	Rurrenabaque	Rufino Choque Machaca;	BEN-JBA-RBQ-LTG-03-S4-P3	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	126.2	126.2	153.3	-27.0	12.6	12.6	101
PV2	Rurrenabaque	Rufino Choque Machaca;	BEN-JBA-RBQ-LTG-03-S4-P3	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	5.6	5.6	4.1	1.5	0.6	0.2	5
PV2	Rurrenabaque	Justino Alejandro Vedoya;	BEN-JBA-RBQ-NEZ-01-S1-P1a	Tectona grandis	25.0	11.0	0.0	0.0	0.0	60.8	60.8	16.6	44.2	6.1	-1.1	56
PV2	Rurrenabaque	Justino Alejandro Vedoya;	BEN-JBA-RBQ-NEZ-01-S1-P1b	Tectona grandis	25.0	11.0	0.0	0.0	0.0	8.7	8.7	2.4	6.3	0.9	-0.2	8
PV2	Rurrenabaque	Nimia Fernandez Yanamo;	BEN-JBA-RBQ-NEZ-03-S1-PV1	Calophyllum brasiliense	23.0	13.0	141.7	0.0	0.0	0.0	141.7	98.1	43.6	14.2	14.2	113
PV2	Rurrenabaque	Nimia Fernandez Yanamo;	BEN-JBA-RBQ-NEZ-03-S1-PV2	Calophyllum brasiliense	23.0	13.0	5.7	0.0	0.0	0.0	5.7	3.9	1.7	0.6	0.6	5
PV2	Rurrenabaque	Nimia Fernandez Yanamo;	BEN-JBA-RBQ-NEZ-03-S1-PV2	Terminalia amazonia	35.0	16.0	132.6	0.0	0.0	0.0	132.6	74.6	58.0	13.3	13.3	106

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PV2	Rurrenabaque	Prisca Vani Oye De Corrales;	BEN-JBA-RBQ-NEZ-02-S1A-P2A	Calophyllum brasiliense	23.0	13.0	5.7	0.0	0.0	0.0	5.7	3.9	1.7	0.6	0.6	5
PV2	Rurrenabaque	Prisca Vani Oye De Corrales;	BEN-JBA-RBQ-NEZ-02-S1A-P2A	Terminalia amazonia	35.0	16.0	105.0	0.0	0.0	0.0	105.0	59.1	45.9	10.5	10.5	84
PV2	Rurrenabaque	Prisca Vani Oye De Corrales;	BEN-JBA-RBQ-NEZ-02-S1Bs-P2Bs	Terminalia amazonia	35.0	16.0	27.6	0.0	0.0	0.0	27.6	15.5	12.1	2.8	2.8	22
PV2	Rurrenabaque	Prisca Vani Oye De Corrales;	BEN-JBA-RBQ-NEZ-02-S2-P1	Calophyllum brasiliense	23.0	13.0	141.7	0.0	0.0	0.0	141.7	98.1	43.6	14.2	14.2	113
PV2	Rurrenabaque	Segundino Suarez Moyuro;	BEN-JBA-RBQ-NEZ-05-S1-P1	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	277.1	277.1	146.2	130.8	27.7	27.7	222
PV2	Rurrenabaque	Esmeralda Caral Mamani;	BEN-JBA-RBQ-NHS-31-S1-P1a	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	29.6	79.0	10.9	-2.0	100
PV2	Rurrenabaque	Lola Willca de Apaza;	BEN-JBA-RBQ-NHS-26-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	217.3	0.0	21.7	-4.0	200
PV2	Rurrenabaque	Lola Willca de Apaza;	BEN-JBA-RBQ-NHS-26-S1-P2	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	29.6	79.0	10.9	-2.0	100
PV2	Rurrenabaque	Adolfo Mamani Reynaga;	BEN-JBA-RBQ-RUP-006-S1-P1a	Stryphnodendron purpureum	12.0	7.0	150.6	0.0	0.0	0.0	150.6	64.5	86.0	15.1	15.1	120

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV2	Rurrenabaque	Adolfo Mamani Reynaga;	BEN-JBA-RBQ-RUP-006-S1-P1a	Swietenia macrophylla	35.0	18.0	2.3	0.0	0.0	0.0	2.3	0.4	1.9	0.2	0.2	2
PV2	Rurrenabaque	Adolfo Mamani Reynaga;	BEN-JBA-RBQ-RUP-006-S1-P1a	Virola flexuosa	25.0	13.0	2.0	0.0	0.0	0.0	2.0	0.5	1.5	0.2	0.2	2
PV2	Rurrenabaque	Celestino Chao Macuapa;	BEN-JBA-RBQ-RUP-07-S1-P1	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	157.8	157.8	225.4	-67.6	15.8	15.8	126
PV2	Rurrenabaque	Colegio Tecnico Agropecuario Rio Colorado;	BEN-JBA-RBQ-RUP-0001-S1-P1	Stryphnodendron purpureum	12.0	7.0	0.0	104.4	0.0	0.0	104.4	164.0	-59.6	10.4	10.4	84
PV2	Rurrenabaque	Jaime Fernandez Rocha;	BEN-JBA-RBQ-RUP-01-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	98.8	9.9	10.9	-2.0	100
PV2	Rurrenabaque	Jose Vicente Kasparett Manzano;	BEN-JBA-RBQ-RUP-002-S1-P1	Terminalia amazonia	35.0	16.0	0.0	0.0	0.0	278.5	278.5	191.5	87.0	27.8	27.8	223
PV2	Rurrenabaque	Laura Johanna Louisa Mows;	BEN-JBA-RBQ-RUP-10-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	197.5	19.8	21.7	-4.0	200
PV2	Rurrenabaque	Narcisa Crespo Ilich de Jaime;	BEN-JBA-RBQ-RUP-016-S1-P1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	106.1	106.1	73.5	32.7	10.6	10.6	85
PV2	Rurrenabaque	Narcisa Crespo Ilich de Jaime;	BEN-JBA-RBQ-RUP-016-S1-P1	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	313.1	313.1	173.9	139.2	31.3	31.3	250

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV2	Rurrenabaque	Narcisa Crespo Ilich de Jaime;	BEN-JBA-RBQ-RUP-016-S1-P2	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	143.4	143.4	33.1	110.3	14.3	14.3	115
PV2	Rurrenabaque	Nasario Gualico Bate;	BEN-JBA-RBQ-RUP-02-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	33.3	33.3	21.2	12.1	3.3	3.3	27
PV2	Rurrenabaque	Nasario Gualico Bate;	BEN-JBA-RBQ-RUP-02-S1-P1	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	250.4	250.4	227.6	22.8	25.0	9.7	216
PV2	Rurrenabaque	Nasario Gualico Bate;	BEN-JBA-RBQ-RUP-02-S1-P2	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	115.7	115.7	165.3	-49.6	11.6	11.6	93
PV2	Rurrenabaque	Nasario Gualico Bate;	BEN-JBA-RBQ-RUP-02-S1-P2	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	16.9	16.9	13.8	3.1	1.7	0.7	15
PV2	Rurrenabaque	Teodora Rada Catarro;	BEN-JBA-RBQ-RUP-06-S1-P1	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	138.5	138.5	77.0	61.6	13.9	13.9	111
PV2	Rurrenabaque	Teodora Rada Catarro;	BEN-JBA-RBQ-RUP-06-S1-P2	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	27.7	27.7	13.9	13.9	2.8	2.8	22
PV2	Rurrenabaque	Teodora Rada Catarro;	BEN-JBA-RBQ-RUP-06-S1-P2	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	105.2	105.2	150.3	-45.1	10.5	10.5	84
PV2	Rurrenabaque	Elizabeth Paucara Catacora;	BEN-JBA-RBQ-SBD-12-S1-P2	Hymenaea courbaril	35.0	18.0	0.0	0.0	0.0	94.5	94.5	57.7	36.7	9.4	9.4	76
PV2	Rurrenabaque	Elizabeth Paucara Catacora;	BEN-JBA-RBQ-SBD-12-S1-P2	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	26.3	26.3	30.1	-3.8	2.6	2.6	21

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV2	Rurrenabaque	Elizabeth Paucara Catacora;	BEN-JBA-RBQ-SBD-12-S2-P3	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	108.6	0.0	10.9	-2.0	100
PV2	Rurrenabaque	Elizabeth Paucara Catacora;	BEN-JBA-RBQ-SBD-12-S2-P4	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	108.6	0.0	10.9	-2.0	100
PV2	Rurrenabaque	Hilarion Zuna Ramos;	BEN-JBA-RBQ-SML-08-S1-P1	Terminalia oblonga	30.0	15.0	0.0	0.0	0.0	114.2	114.2	83.7	30.4	11.4	11.4	91
PV2	Rurrenabaque	Hilarion Zuna Ramos;	BEN-JBA-RBQ-SML-08-S2-P2a	Tectona grandis	25.0	11.0	85.6	0.0	0.0	0.0	85.6	23.3	62.2	8.6	-2.1	79
PV2	Rurrenabaque	Nicanor Quispe Llanos;	BEN-JBA-RBQ-TCN-41-SL1-PL1	Hymenaea courbaril	35.0	18.0	0.0	0.0	0.0	118.1	118.1	65.6	52.5	11.8	11.8	94
PV2	Rurrenabaque	Silverio Leon Santos;	BEN-JBA-RBQ-TCN-036-SL1-PL1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	217.3	0.0	21.7	-4.0	200
PV2	Rurrenabaque	Cirilo Copa Mamani;	BEN-JBA-RBQ-UNC-21-S1-P2	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	29.6	79.0	10.9	-2.0	100
PV2	Rurrenabaque	Gilberto Divibay Paredes;	BEN-JBA-RBQ-VCM-18-S1-P1b	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	63.1	63.1	81.1	-18.0	6.3	6.3	50
PV2	Rurrenabaque	Gilberto Divibay Paredes;	BEN-JBA-RBQ-VCM-18-S1-P2a	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	13.1	13.1	3.8	9.4	1.3	1.3	11

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV2	Rurrenabaque	Gilberto Divibay Paredes;	BEN-JBA-RBQ-VCM-18-S1-P2a	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	112.5	112.5	20.5	92.1	11.3	4.4	97
PV2	San Borja	Cesar Eleno Burgos Mocho;	BEN-JBA-SBJ-BOR-02-S1-P1	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	138.5	138.5	77.0	61.6	13.9	13.9	111
PV2	San Borja	Cesar Eleno Burgos Mocho;	BEN-JBA-SBJ-BOR-02-S1-P2	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	143.4	143.4	33.1	110.3	14.3	14.3	115
PV2	San Borja	Claudia Martinez Suture;	BEN-JBA-SBJ-EPR-042-S1-P1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	8.6	8.6	4.6	4.0	0.9	0.9	7
PV2	San Borja	Claudia Martinez Suture;	BEN-JBA-SBJ-EPR-042-S1-P1	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	123.6	123.6	176.6	-53.0	12.4	12.4	99
PV2	San Borja	Flora Yapura Yucra;	BEN-JBA-SBJ-EPR-041-S1-P1a	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	221.7	221.7	61.6	160.1	22.2	22.2	177
PV2	San Borja	Asunta Roca Guallani;	BEN-JBA-SBJ-EMB-033-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	93.8	14.8	10.9	-2.0	100
PV2	San Borja	Claudio Condori Limachi;	BEN-JBA-SBJ-INC-001-SL1-PL1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	20.1	20.1	12.4	7.7	2.0	2.0	16
PV2	San Borja	Claudio Condori Limachi;	BEN-JBA-SBJ-INC-001-SL1-PL1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	202.1	202.1	202.1	0.0	20.2	-3.7	186

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV2	San Borja	Guillermina Nina De Chahua;	BEN-JBA-SBJ-INC-012-SL1-PL1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	108.6	0.0	10.9	-2.0	100
PV2	San Borja	Pedro Sitto Avirari;	BEN-JBA-SBJ-INC-014-SL2-PL2	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	124.7	124.7	76.2	48.5	12.5	12.5	100
PV2	San Borja	Pedro Sitto Avirari;	BEN-JBA-SBJ-INC-014-SL2-PL2	Terminalia amazonia	35.0	16.0	0.0	0.0	0.0	13.9	13.9	7.8	6.1	1.4	1.4	11
PV2	San Borja	Ismael Condo Bautista;	BEN-JBA-SBJ-MAC-11-SL1-PL1	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	26.3	26.3	30.1	-3.8	2.6	2.6	21
PV2	San Borja	Ismael Condo Bautista;	BEN-JBA-SBJ-MAC-11-SL1-PL1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	86.9	86.9	86.9	0.0	8.7	-1.6	80
PV2	San Borja	Martin Patty Calcina;	BEN-JBA-SBJ-BJP-34-S1-P1	Dipteryx odorata	35.0	18.0	24.7	0.0	0.0	0.0	24.7	12.4	12.4	2.5	2.5	20
PV2	San Borja	Martin Patty Calcina;	BEN-JBA-SBJ-BJP-34-S1-P1	Stryphnodendron purpureum	12.0	7.0	106.4	0.0	0.0	0.0	106.4	136.8	-30.4	10.6	10.6	85
PV2	San Borja	Martin Patty Calcina;	BEN-JBA-SBJ-BJP-34-S2-P3	Terminalia amazonia	35.0	16.0	0.0	0.0	0.0	278.5	278.5	156.6	121.8	27.8	27.8	223
PV2	San Borja	Martin Patty Calcina;	BEN-JBA-SBJ-BJP-34-S3-P2	Calophyllum brasiliense	23.0	13.0	85.0	0.0	0.0	0.0	85.0	58.8	26.2	8.5	8.5	68

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV2	San Borja	Martin Patty Calcina;	BEN-JBA-SBJ-BJP-34-S3-P2	Terminalia amazonia	35.0	16.0	55.3	0.0	0.0	0.0	55.3	27.6	27.6	5.5	5.5	44
PV2	San Borja	Fermin Sarabia Catimari;	BEN-JBA-SBJ-SJU-014-S1-P1	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	138.5	138.5	77.0	61.6	13.9	13.9	111
PV2	San Borja	Gervacio Efracio Cruz Soto;	BEN-JBA-SBJ-SJU-027-S2-P3	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	98.8	9.9	10.9	-2.0	100
PV2	San Borja	Gervacio Efracio Cruz Soto;	BEN-JBA-SBJ-SJU-027-S2-P4	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	138.5	138.5	77.0	61.6	13.9	13.9	111
PV2	San Borja	Oscar Zuna Condori;	BEN-JBA-SBJ-VBJ-013-S1-P1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	28.7	28.7	19.9	8.8	2.9	2.9	23
PV2	San Borja	Oscar Zuna Condori;	BEN-JBA-SBJ-VBJ-013-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	195.5	195.5	177.8	17.8	19.6	-3.6	180
PV2	San Borja	Rosa Viquiña Yumane;	BEN-JBA-SBJ-VBJ-010-VS3-PV1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	286.9	286.9	183.9	103.0	28.7	28.7	229
PV2	San Borja	Aldo Aruni Cuata;	BEN-JBA-SBJ-IMP-29-S1-P1	Swietenia macrophylla	35.0	18.0	0.0	0.0	0.0	11.5	11.5	1.9	9.6	1.2	1.2	9
PV2	San Borja	Aldo Aruni Cuata;	BEN-JBA-SBJ-IMP-29-S1-P1	Terminalia amazonia	35.0	16.0	0.0	0.0	0.0	125.3	125.3	86.2	39.2	12.5	12.5	100
PV2	San Borja	Aldo Aruni Cuata;	BEN-JBA-SBJ-IMP-29-S1-P3	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	57.4	57.4	35.3	22.1	5.7	5.7	46

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PV2	San Borja	Aldo Aruni Cuata;	BEN-JBA-SBJ-IMP-29-S1-P3	Tectona grandis	25.0	11.0	0.0	0.0	0.0	173.8	173.8	173.8	0.0	17.4	-3.2	160
PV2	San Borja	Juvenal Sarmiento Parina;	BEN-JBA-SBJ-IMP-012-S1-P1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	142.4	0.0	142.4	32.9	109.5	14.2	14.2	114
PV2	San Borja	Juvenal Sarmiento Parina;	BEN-JBA-SBJ-IMP-012-S1-P2	Calophyllum brasiliense	23.0	13.0	0.0	0.0	142.4	0.0	142.4	32.9	109.5	14.2	14.2	114
PV2	San Borja	Leonardo Catari Mamani;	BEN-JBA-SBJ-IMP-002-S1-P1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	54.1	0.0	54.1	12.5	41.6	5.4	5.4	43
PV2	San Borja	Leonardo Catari Mamani;	BEN-JBA-SBJ-IMP-002-S1-P1	Terminalia amazonia	35.0	16.0	0.0	0.0	155.2	0.0	155.2	29.1	126.1	15.5	15.5	124
PV2	San Borja	Marcos Aliano Coajera Cuqueño;	BEN-JBA-SBJ-IMP-020-S1-P1	Calophyllum brasiliense	23.0	13.0	0.0	170.9	0.0	0.0	170.9	39.4	131.4	17.1	17.1	137
PV2	San Borja	Maria Luz Escobar Encinas;	BEN-JBA-SBJ-IMP-031-S1-P1	Centrolobium tomentosum	24.0	11.0	149.5	0.0	0.0	0.0	149.5	135.9	13.6	14.9	14.9	120
PV2	San Borja	Maria Luz Escobar Encinas;	BEN-JBA-SBJ-IMP-031-S1-P2a	Tectona grandis	25.0	11.0	106.9	0.0	0.0	0.0	106.9	29.2	77.8	10.7	-2.6	99
PV2	San Borja	Maria Luz Escobar Encinas;	BEN-JBA-SBJ-IMP-031-S1-P3	Centrolobium tomentosum	24.0	11.0	149.5	0.0	0.0	0.0	149.5	135.9	13.6	14.9	14.9	120

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV2	San Borja	Pascual Cuata Quete;	BEN-JBA-SBJ-IMP-032-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	98.8	9.9	10.9	-2.0	100
PV2	San Borja	Pascual Cuata Quete;	BEN-JBA-SBJ-IMP-032-S1-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	136.1	136.1	123.8	12.4	13.6	13.6	109
PV2	San Borja	Pascual Cuata Quete;	BEN-JBA-SBJ-IMP-032-S1-P2	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	14.1	14.1	10.2	3.8	1.4	0.5	12
PV2	San Borja	Raymunda Mamani Yapura;	BEN-JBA-SBJ-IMP-009-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	108.6	0.0	10.9	-2.0	100
PV2	San Borja	Raymunda Mamani Yapura;	BEN-JBA-SBJ-IMP-009-S1-P2	Terminalia oblonga	30.0	15.0	0.0	0.0	0.0	114.2	114.2	83.7	30.4	11.4	11.4	91
PV2	San Borja	Victor Hugo Yapura Ortiz;	BEN-JBA-SBJ-IMP-06-S1-P2	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	8.6	8.6	5.3	3.3	0.9	0.9	7
PV2	San Borja	Victor Hugo Yapura Ortiz;	BEN-JBA-SBJ-IMP-06-S1-P2	Tectona grandis	25.0	11.0	0.0	0.0	0.0	156.4	156.4	142.2	14.2	15.6	-2.9	144
PV2	San Borja	Aurelio Quispe Nina;	BEN-JBA-SBJ-YAC-008-S1-P1a	Tectona grandis	25.0	11.0	0.0	0.0	0.0	34.8	34.8	9.5	25.3	3.5	-0.6	32
PV2	San Borja	Aurelio Quispe Nina;	BEN-JBA-SBJ-YAC-008-S1-P1b	Tectona grandis	25.0	11.0	0.0	0.0	0.0	17.4	17.4	4.7	12.6	1.7	-0.3	16
PV2	San Borja	Aurelio Quispe Nina;	BEN-JBA-SBJ-YAC-	Terminalia oblonga	30.0	15.0	0.0	0.0	0.0	100.5	100.5	20.1	80.4	10.0	10.0	80

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
			008-S2-P2a													
PV2	San Borja	Aurelio Quispe Nina;	BEN-JBA-SBJ-YAC-008-S4-P4	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	140.7	140.7	140.7	0.0	14.1	5.5	121
PV2	San Borja	Cecilio Aro Tancara;	BEN-JBA-SBJ-YAC-18-S1-P1	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	140.7	140.7	115.1	25.6	14.1	5.5	121
PV2	San Borja	Cecilio Aro Tancara;	BEN-JBA-SBJ-YAC-18-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	98.8	9.9	10.9	-2.0	100
PV2	San Borja	Delicia Huallata Lero;	BEN-JBA-SBJ-YAC-010-S5-P4a	Terminalia amazonia	35.0	16.0	248.7	0.0	0.0	0.0	248.7	77.7	171.0	24.9	24.9	199
PV2	San Borja	Fabiana Canchi Nate;	BEN-JBA-SBJ-YAC-05-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	108.6	0.0	10.9	-2.0	100
PV2	San Borja	Jose Paredes Vaca;	BEN-JBA-SBJ-YAC-A1-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	108.6	0.0	10.9	-2.0	100
PV2	San Borja	Jose Paredes Vaca;	BEN-JBA-SBJ-YAC-A1-S2-P2	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	5.6	5.6	4.6	1.0	0.6	0.2	5
PV2	San Borja	Jose Paredes Vaca;	BEN-JBA-SBJ-YAC-A1-S2-P2	Virola flexuosa	25.0	13.0	0.0	0.0	0.0	97.4	97.4	82.4	15.0	9.7	9.7	78
PV2	San Borja	Luciano Peralta Apaza;	BEN-JBA-SBJ-YAC-06-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	108.6	0.0	10.9	-2.0	100

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV2	San Borja	Luciano Peralta Apaza;	BEN-JBA-SBJ-YAC-06-S1-P2	Terminalia oblonga	30.0	15.0	0.0	0.0	0.0	114.2	114.2	83.7	30.4	11.4	11.4	91
PV2	San Buenaventura	Luisa Fidela Fernandez Villalba de Chacon;	LPZ-ITU-SBV-HUR-003-S1-P1a	Tectona grandis	25.0	11.0	0.0	0.0	0.0	108.6	108.6	108.6	0.0	10.9	-2.0	100
PV2	San Buenaventura	Patrocinio Revollo Mejia;	LPZ-ITU-SBV-NPL-14-S3-P4	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	363.0	363.0	330.0	33.0	36.3	36.3	290
PV2	San Buenaventura	German Martinez Torrez;	LPZ-ITU-SBV-SBP-041-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	177.8	39.5	21.7	-4.0	200
PV2	San Buenaventura	Jose Blanco Bautista;	LPZ-ITU-SBV-SBP-001-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	151.3	151.3	137.5	13.8	15.1	15.1	121
PV2	San Buenaventura	Jose Blanco Bautista;	LPZ-ITU-SBV-SBP-001-S3-P3	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	151.3	151.3	137.5	13.8	15.1	15.1	121
PV2	San Buenaventura	Juan Garcia Anabamba;	LPZ-ITU-SBV-SBP-37-S4-P3	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	140.7	140.7	102.3	38.4	14.1	5.5	121
PV2	San Buenaventura	Natalia Ticona De Chamizo;	LPZ-ITU-SBV-SBP-022-S3-P2a	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	242.0	242.0	66.0	176.0	24.2	24.2	194
PV2	San Buenaventura	Marcelo Nahui Ilimuri;	LPZ-ITU-SBV-SID-37-S2-P3	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	249.4	249.4	138.5	110.8	24.9	24.9	199

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolívia	Issuance request
PV2	San Buenaventura	Marcelo Nahui Ilimuri;	LPZ-ITU-SBV-SID-37-S2-P3	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	28.1	28.1	20.5	7.7	2.8	1.1	24
PV2	San Buenaventura	Rolando Queteguari Ibaguari;	LPZ-ITU-SBV-SSR-001-S1-P1a	Centrolobium tomentosum	24.0	11.0	71.8	0.0	0.0	0.0	71.8	58.7	13.0	7.2	7.2	57
PV2	San Buenaventura	Rolando Queteguari Ibaguari;	LPZ-ITU-SBV-SSR-001-S1-P1a	Tectona grandis	25.0	11.0	77.0	0.0	0.0	0.0	77.0	77.0	0.0	7.7	-1.9	71
PV2	San Buenaventura	Epifanio Lurisi;	LPZ-ITU-SBV-TUM-002-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	21.2	21.2	13.5	7.7	2.1	2.1	17
PV2	San Buenaventura	Epifanio Lurisi;	LPZ-ITU-SBV-TUM-002-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	419.3	419.3	419.3	0.0	41.9	-7.6	385
PV2	San Buenaventura	Feliciano Medina Chamaro;	LPZ-ITU-SBV-TUM-025-S1-P1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	28.7	28.7	17.7	11.0	2.9	2.9	23
PV2	San Buenaventura	Feliciano Medina Chamaro;	LPZ-ITU-SBV-TUM-025-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	195.5	195.5	195.5	0.0	19.6	-3.6	180
PV2	San Buenaventura	Hernan Idagua Guari;	LPZ-ITU-SBV-TUM-005-S1-P1a	Swietenia macrophylla	35.0	18.0	0.0	0.0	0.0	4.6	4.6	2.8	1.8	0.5	0.5	4
PV2	San Buenaventura	Hernan Idagua Guari;	LPZ-ITU-SBV-TUM-005-S1-P1a	Tectona grandis	25.0	11.0	0.0	0.0	0.0	147.7	147.7	147.7	0.0	14.8	-2.7	136

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV2	San Buenaventura	Leonardo Marupa Amutari;	LPZ-ITU-SBV-TUM-18-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	217.3	217.3	197.5	19.8	21.7	-4.0	200
PV3	Chimoré	Rosa Solis Romero;	CBA-CRO-CHR-LRL-031-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	21.2	21.2	7.7	13.5	2.1	2.1	17
PV3	Chimoré	Rosa Solis Romero;	CBA-CRO-CHR-LRL-031-S1-P1	Guarea rusby	17.0	11.0	0.0	0.0	0.0	160.9	160.9	73.1	87.8	16.1	16.1	129
PV3	Chimoré	Rosa Solis Romero;	CBA-CRO-CHR-LRL-031-S2-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	6.1	6.1	2.2	3.9	0.6	0.6	5
PV3	Chimoré	Rosa Solis Romero;	CBA-CRO-CHR-LRL-031-S2-P2	Guarea rusby	17.0	11.0	0.0	0.0	0.0	115.4	115.4	52.4	62.9	11.5	11.5	92
PV3	Chimoré	Rosa Solis Romero;	CBA-CRO-CHR-LRL-031-S3-P3	Guarea rusby	17.0	11.0	0.0	0.0	0.0	91.1	91.1	41.4	49.7	9.1	9.1	73
PV3	Chimoré	Rosa Solis Romero;	CBA-CRO-CHR-LRL-031-S4-P4	Guarea rusby	17.0	11.0	0.0	60.1	0.0	0.0	60.1	27.3	32.8	6.0	6.0	48
PV3	Chimoré	Leoncio Almendras Vasquez;	CBA-CRO-CHR-SDA-54-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	137.5	165.0	30.3	30.3	242
PV3	Chimoré	Leoncio Almendras Vasquez;	CBA-CRO-CHR-SDA-54-S2-P2	Dipteryx odorata	35.0	18.0	0.0	0.0	0.0	277.1	277.1	77.0	200.1	27.7	27.7	222

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolívia	Issuance request
PV3	Chimoré	Leoncio Almendras Vasquez;	CBA-CRO-CHR-SDA-54-S3-P3	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	30.3	30.3	8.3	22.0	3.0	3.0	24
PV3	Chimoré	Leoncio Almendras Vasquez;	CBA-CRO-CHR-SDA-54-S3-P3	Tapirira guianensis	19.0	11.0	0.0	0.0	0.0	815.9	815.9	222.5	593.4	81.6	31.8	703
PV3	Chimoré	Francisco Ordoñez Mamani;	CBA-CRO-CHR-SDC-18;19-S1-P1	Tapirira guianensis	19.0	11.0	277.0	0.0	0.0	0.0	277.0	151.1	125.9	27.7	8.7	241
PV3	Chimoré	Norma Chambi Marquina;	CBA-CRO-CHR-SD3-48-S1-P1	Centrolobium tomentosum	24.0	11.0	1195.9	0.0	0.0	0.0	1195.9	579.8	616.1	119.6	119.6	957
PV3	Chimoré	Norma Chambi Marquina;	CBA-CRO-CHR-SD3-48-S2-P2	Centrolobium tomentosum	24.0	11.0	299.0	0.0	0.0	0.0	299.0	135.9	163.1	29.9	29.9	239
PV3	Chimoré	Ramiro Arrazola Martinez;	CBA-CRO-CHR-SD3-42-S1-P1	Calophyllum brasiliense	23.0	13.0	56.7	0.0	0.0	0.0	56.7	17.4	39.2	5.7	5.7	45
PV3	Chimoré	Ramiro Arrazola Martinez;	CBA-CRO-CHR-SD3-42-S1-P1	Centrolobium tomentosum	24.0	11.0	239.2	0.0	0.0	0.0	239.2	130.5	108.7	23.9	23.9	191
PV3	Chimoré	Ramiro Arrazola Martinez;	CBA-CRO-CHR-SD3-42-S2-P1	Calophyllum brasiliense	23.0	13.0	28.3	0.0	0.0	0.0	28.3	8.7	19.6	2.8	2.8	23

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolia	Issuance request
PV3	Chimoré	Ramiro Arrazola Martinez;	CBA-CRO-CHR-SD3-42-S2-P1	Centrolobium tomentosum	24.0	11.0	179.4	0.0	0.0	0.0	179.4	97.8	81.5	17.9	17.9	144
PV3	Chimoré	Ramiro Arrazola Martinez;	CBA-CRO-CHR-SD3-42-S3-P3	Centrolobium tomentosum	24.0	11.0	89.7	0.0	0.0	0.0	89.7	48.9	40.8	9.0	9.0	72
PV3	Chimoré	Ramiro Arrazola Martinez;	CBA-CRO-CHR-SD3-42-S4-P4	Calophyllum brasiliense	23.0	13.0	119.0	0.0	0.0	0.0	119.0	45.8	73.2	11.9	11.9	95
PV3	Chimoré	Ramiro Arrazola Martinez;	CBA-CRO-CHR-SD3-42-S4-P4	Guarea rusby	17.0	11.0	23.9	0.0	0.0	0.0	23.9	13.0	10.9	2.4	2.4	19
PV3	Chimoré	Ramiro Arrazola Martinez;	CBA-CRO-CHR-SD3-42-S5-P5	Calophyllum brasiliense	23.0	13.0	0.0	128.1	0.0	0.0	128.1	44.4	83.8	12.8	12.8	103
PV3	Chimoré	Ramiro Arrazola Martinez;	CBA-CRO-CHR-SD3-42-S5-P5	Guarea rusby	17.0	11.0	0.0	15.0	0.0	0.0	15.0	8.2	6.8	1.5	1.5	12
PV3	Puerto Villarroel	Paulino Flores Tola;	CBA-CRO-PVR-14S-005-S1-P1	Centrolobium tomentosum	24.0	11.0	89.7	0.0	0.0	0.0	89.7	36.7	53.0	9.0	9.0	72
PV3	Puerto Villarroel	Paulino Flores Tola;	CBA-CRO-PVR-14S-005-S1-P1	Guarea rusby	17.0	11.0	209.1	0.0	0.0	0.0	209.1	95.0	114.0	20.9	20.9	167
PV3	Puerto Villarroel	Felix Rodriguez Yapura;	CBA-CRO-PVR-GVR-05-S1-P1	Centrolobium tomentosum	24.0	11.0	299.0	0.0	0.0	0.0	299.0	163.1	135.9	29.9	29.9	239

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolia	Issuance request
PV3	Puerto Villarroel	Humberto Rodriguez Colque;	CBA-CRO-PVR-GVR-01-S1-P1	Schizolobium amazonicum	13.0	6.0	0.0	0.0	0.0	254.5	254.5	254.5	0.0	25.4	25.4	204
PV3	Puerto Villarroel	Jose Luis Cordova Juan;	CBA-CRO-PVR-GVR-001-S3-P3	Schizolobium amazonicum	13.0	6.0	74.5	0.0	0.0	0.0	74.5	74.5	0.0	7.4	7.4	60
PV3	Puerto Villarroel	Jose Luis Cordova Juan;	CBA-CRO-PVR-GVR-001-S4-P4	Schizolobium amazonicum	13.0	6.0	124.1	0.0	0.0	0.0	124.1	124.1	0.0	12.4	12.4	99
PV3	Puerto Villarroel	Jose Luis Cordova Juan;	CBA-CRO-PVR-GVR-001-S5s-P5r	Schizolobium amazonicum	13.0	6.0	0.0	0.0	0.0	50.9	50.9	25.4	25.4	5.1	5.1	41
PV3	Puerto Villarroel	Silvia Zarate de Bilbao;	CBA-CRO-PVR-GVR-47-S3-P3	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	165.0	137.5	30.3	30.3	242
PV3	Puerto Villarroel	Zenon Zarate Frontanilla;	CBA-CRO-PVR-GVR-103-S1-P1	Centrolobium tomentosum	24.0	11.0	299.0	0.0	0.0	0.0	299.0	135.9	163.1	29.9	29.9	239
PV3	Puerto Villarroel	Tito Vasquez Flores;	CBA-CRO-PVR-MAL-001-S1-P1	Centrolobium tomentosum	24.0	11.0	74.7	0.0	0.0	0.0	74.7	27.2	47.6	7.5	7.5	60
PV3	Puerto Villarroel	Tito Vasquez Flores;	CBA-CRO-PVR-MAL-001-S1-P1	Tapirira guianensis	19.0	11.0	290.8	0.0	0.0	0.0	290.8	158.6	132.2	29.1	9.1	253

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolia	Issuance request
PV3	Puerto Villarroel	Crispin Duran Vargas;	CBA-CRO-PVR-SLO-10-S1-P1	Schizolobium amazonicum	13.0	6.0	248.2	0.0	0.0	0.0	248.2	248.2	0.0	24.8	24.8	199
PV3	Puerto Villarroel	Julian Onofre Franco;	CBA-CRO-PVR-VHM-10-S1-P1	Guarea rusby	17.0	11.0	119.5	0.0	0.0	0.0	119.5	54.3	65.2	11.9	11.9	96
PV3	Puerto Villarroel	Julian Onofre Franco;	CBA-CRO-PVR-VHM-10-S1-P1	Schizolobium amazonicum	13.0	6.0	148.9	0.0	0.0	0.0	148.9	148.9	0.0	14.9	14.9	119
PV3	Puerto Villarroel	Martin Perez Garcia;	CBA-CRO-PVR-VHM-27-S4-P4	Schizolobium amazonicum	13.0	6.0	0.0	0.0	0.0	330.8	330.8	330.8	0.0	33.1	33.1	265
PV3	Puerto Villarroel	Martin Perez Garcia;	CBA-CRO-PVR-VHM-27-S5-P5	Guarea rusby	17.0	11.0	0.0	0.0	0.0	39.5	39.5	17.9	21.5	3.9	3.9	32
PV3	Puerto Villarroel	Martin Perez Garcia;	CBA-CRO-PVR-VHM-27-S5-P5	Schizolobium amazonicum	13.0	6.0	0.0	0.0	0.0	94.2	94.2	94.2	0.0	9.4	9.4	75
PV3	Puerto Villarroel	Martin Perez Garcia;	CBA-CRO-PVR-VHM-27-S6s-P6r	Guarea rusby	17.0	11.0	0.0	0.0	0.0	60.7	60.7	27.6	33.1	6.1	6.1	49
PV3	Puerto Villarroel	Martin Perez Garcia;	CBA-CRO-PVR-VHM-27-S7-P7	Guarea rusby	17.0	11.0	0.0	0.0	0.0	106.3	106.3	58.0	48.3	10.6	10.6	85

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV3	Puerto Villarroel	Martin Perez Garcia;	CBA-CRO-PVR-VHM-27-S7-P7	Schizolobium amazonicum	13.0	6.0	0.0	0.0	0.0	165.4	165.4	165.4	0.0	16.5	16.5	132
PV3	Puerto Villarroel	Natalio Aguilar Colque;	CBA-CRO-PVR-VHM-38-S3-P3	Guarea rusby	17.0	11.0	0.0	0.0	0.0	6.1	6.1	2.8	3.3	0.6	0.6	5
PV3	Puerto Villarroel	Natalio Aguilar Colque;	CBA-CRO-PVR-VHM-38-S3-P3	Schizolobium amazonicum	13.0	6.0	0.0	0.0	0.0	20.4	20.4	20.4	0.0	2.0	2.0	16
PV3	Puerto Villarroel	Natalio Aguilar Colque;	CBA-CRO-PVR-VHM-38-S4-P4	Guarea rusby	17.0	11.0	32.9	0.0	0.0	0.0	32.9	14.9	17.9	3.3	3.3	26
PV3	Puerto Villarroel	Natalio Aguilar Colque;	CBA-CRO-PVR-VHM-38-S4-P4	Schizolobium amazonicum	13.0	6.0	196.1	0.0	0.0	0.0	196.1	196.1	0.0	19.6	19.6	157
PV3	Puerto Villarroel	Natalio Aguilar Colque;	CBA-CRO-PVR-VHM-38-S5-P5	Guarea rusby	17.0	11.0	53.8	0.0	0.0	0.0	53.8	24.4	29.3	5.4	5.4	43
PV3	Puerto Villarroel	Natalio Aguilar Colque;	CBA-CRO-PVR-VHM-38-S5-P5	Schizolobium amazonicum	13.0	6.0	104.2	0.0	0.0	0.0	104.2	104.2	0.0	10.4	10.4	83
PV3	Puerto Villarroel	Victoriano Jimenez Kupe;	CBA-CRO-PVR-VHM-11-S5-P5	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	6.1	6.1	1.7	4.4	0.6	0.6	5

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV3	Puerto Villarroel	Victoriano Jimenez Kupe;	CBA-CRO-PVR-VHM-11-S5-P5	Schizolobium amazonicum	13.0	6.0	0.0	0.0	0.0	96.7	96.7	96.7	0.0	9.7	9.7	77
PV3	Puerto Villarroel	Carmelo Alvarez Chambi;	CBA-CRO-PVR-VIZ-15-S4-P1	Centrolobium tomentosum	24.0	11.0	299.0	0.0	0.0	0.0	299.0	135.9	163.1	29.9	29.9	239
PV3	Puerto Villarroel	Paulina Porco Cayo;	CBA-CRO-PVR-VIZ-80-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	137.5	165.0	30.3	30.3	242
PV3	Puerto Villarroel	Felix Obando Soliz;	CBA-CRO-PVR-VVD-042-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	137.5	165.0	30.3	30.3	242
PV3	Rurrenabaque	Lorenzo Ejuro Macuapa;	BEN-JBA-RBQ-RUP-11-S1-P1	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	25.8	25.8	7.9	17.9	2.6	2.6	21
PV3	Rurrenabaque	Lorenzo Ejuro Macuapa;	BEN-JBA-RBQ-RUP-11-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	48.4	48.4	26.4	22.0	4.8	4.8	39
PV3	Rurrenabaque	Lorenzo Ejuro Macuapa;	BEN-JBA-RBQ-RUP-11-S1-P1	Tectona grandis	25.0	11.0	0.0	0.0	0.0	54.3	54.3	29.6	24.7	5.4	-1.0	50
PV3	San Borja	Jhonny Combata Martinez;	BEN-JBA-SBJ-CES-11-S1-P1	Centrolobium tomentosum	24.0	11.0	59.8	0.0	0.0	0.0	59.8	16.3	43.5	6.0	6.0	48

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV3	San Borja	Jhonny Combata Martinez;	BEN-JBA-SBJ-CES-11-S1-P1	Dipteryx odorata	35.0	18.0	82.5	0.0	0.0	0.0	82.5	13.7	68.7	8.2	8.2	66
PV3	San Borja	Nicolas Huallpa Mendez;	BEN-JBA-SBJ-IMP-026-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	30.3	30.3	16.5	13.8	3.0	3.0	24
PV3	San Borja	Nicolas Huallpa Mendez;	BEN-JBA-SBJ-IMP-026-S1-P1	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	105.2	105.2	82.6	22.5	10.5	10.5	84
PV3	San Buenaventura	Teodosia Callisaya Callisaya;	LPZ-ITU-SBV-25M-038-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	82.5	220.0	30.3	30.3	242
PV3	San Buenaventura	Adrian Chamizo Maraz;	LPZ-ITU-SBV-BOH-022-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	73.3	229.2	30.3	30.3	242
PV3	San Buenaventura	Juan Yucra Peñaranda;	LPZ-ITU-SBV-EDR-1-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	605.0	605.0	220.0	385.0	60.5	60.5	484
PV3	San Buenaventura	Juan Yucra Peñaranda;	LPZ-ITU-SBV-EDR-1-S1-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	605.0	605.0	165.0	440.0	60.5	60.5	484
PV3	San Buenaventura	Jose Blanco Bautista;	LPZ-ITU-SBV-HUR-10-S1-P1	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	184.1	184.1	65.7	118.3	18.4	18.4	147
PV3	San Buenaventura	Leonardo Ojeda Cori;	LPZ-ITU-SBV-LEM-7-S4-P1	Calophyllum brasiliense	23.0	13.0	42.5	0.0	0.0	0.0	42.5	11.4	31.1	4.3	4.3	34

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolia	Issuance request
PV3	San Buenaventura	Leonardo Ojeda Cori;	LPZ-ITU-SBV-LEM-7-S4-P1	Stryphnodendron purpureum	12.0	7.0	116.8	0.0	0.0	0.0	116.8	58.4	58.4	11.7	11.7	93
PV3	San Buenaventura	Tania Patty Yucra Huayna;	LPZ-ITU-SBV-SID-33-S8-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	68.8	233.8	30.3	30.3	242
PV3	San Buenaventura	Carlos Cartagena Huari;	LPZ-ITU-SBV-SSR-1-S1-P1	Centrolobium tomentosum	24.0	11.0	107.6	0.0	0.0	0.0	107.6	19.6	88.1	10.8	10.8	86
PV3	San Buenaventura	Carlos Cartagena Huari;	LPZ-ITU-SBV-SSR-1-S1-P1	Stryphnodendron purpureum	12.0	7.0	36.3	0.0	0.0	0.0	36.3	15.6	20.8	3.6	3.6	29
PV3	San Buenaventura	David Medina Sacuri;	LPZ-ITU-SBV-TUM-04-S2-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	110.0	192.5	30.3	30.3	242
PV3	San Buenaventura	Epifanio Lurisi;	LPZ-ITU-SBV-TUM-002-S4-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	181.5	181.5	41.3	140.3	18.2	18.2	145
PV3	San Buenaventura	Fernando Flores Terrazas;	LPZ-ITU-SBV-TUM-48-VS4-PV1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	82.5	220.0	30.3	30.3	242
PV3	San Buenaventura	Nestor Faustino Valdez Chao;	LPZ-ITU-SBV-TUM-19-S5-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	55.0	247.5	30.3	30.3	242

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV3	San Buenaventura	Rolando Marupa Cartagena;	LPZ-ITU-SBV-TUM-50-S2-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	151.3	151.3	55.0	96.3	15.1	15.1	121
PV3	Shinahota	Carmelo Beltran Porco;	CBA-TIR-SHI-BOL-016-S1-P1	Calophyllum brasiliense	23.0	13.0	42.5	0.0	0.0	0.0	42.5	13.1	29.4	4.3	4.3	34
PV3	Shinahota	Carmelo Beltran Porco;	CBA-TIR-SHI-BOL-016-S1-P1	Centrolobium tomentosum	24.0	11.0	29.9	0.0	0.0	0.0	29.9	13.6	16.3	3.0	3.0	24
PV3	Shinahota	Carmelo Beltran Porco;	CBA-TIR-SHI-BOL-016-S1-P1	Guarea rusby	17.0	11.0	44.8	0.0	0.0	0.0	44.8	20.4	24.4	4.5	4.5	36
PV3	Shinahota	Carmelo Beltran Porco;	CBA-TIR-SHI-BOL-016-S2-P2	Calophyllum brasiliense	23.0	13.0	56.7	0.0	0.0	0.0	56.7	17.4	39.2	5.7	5.7	45
PV3	Shinahota	Carmelo Beltran Porco;	CBA-TIR-SHI-BOL-016-S2-P2	Centrolobium tomentosum	24.0	11.0	59.8	0.0	0.0	0.0	59.8	27.2	32.6	6.0	6.0	48
PV3	Shinahota	Carmelo Beltran Porco;	CBA-TIR-SHI-BOL-016-S2-P2	Guarea rusby	17.0	11.0	59.7	0.0	0.0	0.0	59.7	27.2	32.6	6.0	6.0	48
PV3	Shinahota	Virgilio Estrada Mamani;	CBA-TIR-SHI-BOL-109-S1-P1	Calophyllum brasiliense	23.0	13.0	102.0	0.0	0.0	0.0	102.0	31.4	70.6	10.2	10.2	82
PV3	Shinahota	Virgilio Estrada Mamani;	CBA-TIR-SHI-BOL-109-S1-P1	Guarea rusby	17.0	11.0	215.1	0.0	0.0	0.0	215.1	117.3	97.8	21.5	21.5	172

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV3	Shinahota	Virgilio Estrada Mamani;	CBA-TIR-SHI-BOL-109-S1-P1	Tapirira guianensis	19.0	11.0	254.8	0.0	0.0	0.0	254.8	139.0	115.8	25.5	8.0	221
PV4	Buena Vista	Antonia Mendoza Tesco;	SCZ-ICH-BVT-IZ1-280-S5-P5	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	605.0	605.0	110.0	495.0	60.5	60.5	484
PV4	Buena Vista	Juan Martinez Zubia;	SCZ-ICH-BVT-IZ1-020-S1-P1	Centrolobium tomentosum	24.0	11.0	896.9	0.0	0.0	0.0	896.9	163.1	733.9	89.7	89.7	718
PV4	Buena Vista	Julian Villarroel Mendoza;Victoria Aguirre Anagua de Villarroel;	SCZ-ICH-BVT-IZ1-002-S1-P1	Centrolobium tomentosum	24.0	11.0	598.0	0.0	0.0	0.0	598.0	108.7	489.2	59.8	59.8	478
PV4	Buena Vista	Julian Villarroel Mendoza;Victoria Aguirre Anagua de Villarroel;	SCZ-ICH-BVT-IZ1-002-S2-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	453.8	453.8	82.5	371.3	45.4	45.4	363
PV4	Buena Vista	Guillermina Zarate Cordova;	SCZ-ICH-BVT-IZ2-11-S4-P4	Centrolobium tomentosum	24.0	11.0	149.5	0.0	0.0	0.0	149.5	27.2	122.3	14.9	14.9	120

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV4	Buena Vista	Guillermina Zarate Cordova;	SCZ-ICH-BVT-IZ2-11-S5-P5	Centrolobium tomentosum	24.0	11.0	149.5	0.0	0.0	0.0	149.5	27.2	122.3	14.9	14.9	120
PV4	Buena Vista	Juana Aguirre Anagua;Pedro Abrigo Silva;	SCZ-ICH-BVT-IZ2-169-S1-P1	Centrolobium tomentosum	24.0	11.0	269.1	0.0	0.0	0.0	269.1	48.9	220.2	26.9	26.9	215
PV4	Buena Vista	Juana Aguirre Anagua;Pedro Abrigo Silva;	SCZ-ICH-BVT-IZ2-169-S1-P2	Centrolobium tomentosum	24.0	11.0	29.9	0.0	0.0	0.0	29.9	5.4	24.5	3.0	3.0	24
PV4	Buena Vista	Pascual Subia Cruz;Dominga Subia Cruz;	SCZ-ICH-BVT-IZ2-002-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	60.5	60.5	11.0	49.5	6.1	6.1	48
PV4	Buena Vista	Pascual Subia Cruz;Dominga Subia Cruz;	SCZ-ICH-BVT-IZ2-002-S2-P2	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	151.3	151.3	27.5	123.8	15.1	15.1	121
PV4	Rurrenabaque	Alberto Castellon Aguilar;	BEN-JBA-RBQ-CSD-011-S4-P2	Centrolobium tomentosum	24.0	11.0	448.5	0.0	0.0	0.0	448.5	81.5	366.9	44.8	44.8	359
PV4	Rurrenabaque	Alberto Castellon Aguilar;	BEN-JBA-RBQ-CSD-011-S5-P3	Calophyllum brasiliense	23.0	13.0	70.8	0.0	0.0	0.0	70.8	10.9	59.9	7.1	7.1	57

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV4	Rurrenabaque	Leonardo Zanga Calle;	BEN-JBA-RBQ-CSD-20-S1-P1	Stryphnodendron purpureum	12.0	7.0	129.8	0.0	0.0	0.0	129.8	37.1	92.7	13.0	13.0	104
PV4	Rurrenabaque	Leonardo Zanga Calle;	BEN-JBA-RBQ-CSD-20-S1-P2	Calophyllum brasiliense	23.0	13.0	141.7	0.0	0.0	0.0	141.7	21.8	119.9	14.2	14.2	113
PV4	Rurrenabaque	Ronel Juan Luna Limachi;	BEN-JBA-RBQ-CAU-44-S3-P2	Calophyllum brasiliense	23.0	13.0	283.3	0.0	0.0	0.0	283.3	43.6	239.7	28.3	28.3	227
PV4	Rurrenabaque	Alejandro Huasnay Tayo;	BEN-JBA-RBQ-CLB-12-S4-P2	Centrolobium tomentosum	24.0	11.0	209.3	0.0	0.0	0.0	209.3	38.1	171.2	20.9	20.9	167
PV4	Rurrenabaque	Carmelo Iza Durvano;	BEN-JBA-RBQ-CLB-18-S1-P1	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	328.7	328.7	93.9	234.8	32.9	32.9	263
PV4	Rurrenabaque	Justo Tayo Huro;	BEN-JBA-RBQ-CLB-21-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	151.3	151.3	27.5	123.8	15.1	15.1	121
PV4	Rurrenabaque	Pablo Huasnay Cuata;	BEN-JBA-RBQ-CLB-11-S1-P1	Centrolobium tomentosum	24.0	11.0	299.0	0.0	0.0	0.0	299.0	54.4	244.6	29.9	29.9	239
PV4	Rurrenabaque	Santiago Wasnay Cuata;	BEN-JBA-RBQ-CLB-22-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	55.0	247.5	30.3	30.3	242
PV4	Rurrenabaque	Julieta Paredes vda. de Choque;	BEN-JBA-RBQ-40J-26-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	302.5	302.5	55.0	247.5	30.3	30.3	242

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Rotation (Year)	Years to average	Perenaul	Grass land	Grass land with trees	Annual	Total tCO2e	Ex post tCO2e	Ex ante tCO2e	Buffer Plan Vivo (tCO2e)	Retained by ArBolivia	Issuance request
PV4	Rurrenabaque	Cornelio Rogelio Espinal Michel;	BEN-JBA-RBQ-SAA-17-S1-P1	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	263.0	263.0	75.1	187.8	26.3	26.3	210
PV4	Rurrenabaque	Nicanor Quispe Llanos;	BEN-JBA-RBQ-TCN-41-SL4-PL3	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	131.5	131.5	37.6	93.9	13.1	13.1	105
PV4	San Borja	Rosa Viquiña Yumani;	BEN-JBA-SBJ-CLC-04-S1-P1	Centrolobium tomentosum	24.0	11.0	0.0	0.0	0.0	226.9	226.9	41.3	185.6	22.7	22.7	182
PV4	San Borja	Francisca Tantani Cuaquira;	BEN-JBA-SBJ-MAC-08-S3-P2	Calophyllum brasiliense	23.0	13.0	0.0	0.0	0.0	215.1	215.1	33.1	182.0	21.5	21.5	172
PV4	San Borja	Francisca Tantani Cuaquira;	BEN-JBA-SBJ-MAC-08-S3-P2	Stryphnodendron purpureum	12.0	7.0	0.0	0.0	0.0	65.7	65.7	18.8	47.0	6.6	6.6	53
PV4	San Buenaventura	David Medina Sacuri;	LPZ-ITU-SBV-TUM-04-S5-P2	Centrolobium tomentosum	24.0	11.0	299.0	0.0	0.0	0.0	299.0	54.4	244.6	29.9	29.9	239
							24,217	479	494	44,140	69,330	44,732	24,598	6,933	4,722	57,675

Annex 3: Reallocation of commitments

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Surface planted (Ha)	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)	Remark	Year planted	Year re-planted	Age	Issuance 2019	Difference	From buffer ArBolivia
PV1	San Buenaventura	Justo Carmona Padilla;	LPZ-ITU-SBV-25M-19-S1-P1	Dipteryx odorata	1.0	27.7	27.7	221.7	Replanted	2016	2016	3	221.7	0.0	-
PV1	San Buenaventura	Justo Carmona Padilla;	LPZ-ITU-SBV-25M-19-S1-P1	Virola flexuosa	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV1	San Buenaventura	Jaime Duval Quetehuari;	LPZ-ITU-SBV-BNT-19-S1-P1	Centrolobium tomentosum	2.0	60.5	60.5	484	Failed	2017	2017	2		-368.8	-369.0
PV1	San Buenaventura	Eloy Miranda Canaviri;	LPZ-ITU-SBV-CLD-00-S1-P1	Tectona grandis	0.7	15.2	15.2	121.7	Remaining	2008	201	9	121.7	-18.0	-18.0
PV1	San Buenaventura	Eloy Miranda Canaviri;	LPZ-ITU-SBV-CLD-00-S1-P1b	Tectona grandis	0.3	6.5	6.5	52.1	Failed remaining	2013	2013	6		-59.9	-60.0
PV1	San Buenaventura	Juan Carlos Guizada Rios;	LPZ-ITU-SBV-EVE-011-S1-P2	Cedrela fissilis	0.0	0.7	0.7	5.5	Failed remaining	2016	2016	3		-5.5	-6.0
PV1	San Buenaventura	Juan Carlos Guizada Rios;	LPZ-ITU-SBV-EVE-011-S1-P2	Dipteryx odorata	0.5	13.0	13.0	104.2	Failed remaining	2016	2016	3		-104.2	-104.0
PV1	San Buenaventura	Juan Carlos Guizada Rios;	LPZ-ITU-SBV-EVE-011-S1-P2a	Dipteryx odorata	0.2	6.1	6.1	48.8	Remaining	2016	2016	3	48.8	0.0	-
PV1	San Buenaventura	Martin Laura Mamani;	LPZ-ITU-SBV-SBP-004-S1-P1	Centrolobium tomentosum	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV1	San Buenaventura	Martin Laura Mamani;	LPZ-ITU-SBV-SBP-004-S1-P1	Tapirira guianensis	0.0	0.0	0.0	0	Failed remaining	2016	2016	3		0.0	-
PV1	San Buenaventura	Martin Laura Mamani;	LPZ-ITU-SBV-SBP-004-S1-P1a	Tapirira guianensis	0.7	18.3	18.3	146.3	Remaining	2016	2016	3	146.3	-11.2	-11.0
PV1	San Buenaventura	Martin Laura Mamani;	LPZ-ITU-SBV-SBP-004-S1-P1br	Centrolobium tomentosum	0.3	7.6	7.6	60.5	Replanted	2016	2016	3	60.5	14.4	-
PV1	San Buenaventura	Martin Laura Mamani;	LPZ-ITU-SBV-SBP-004-S1-P1br	Tapirira guianensis	0.1	2.8	2.8	22.5	Replanted	2016	2016	3	22.5	-1.7	-2.0
PV1	San Buenaventura	Martha Huarachi Ramos;	LPZ-ITU-SBV-STA-065-S1-P2	Tapirira guianensis	0.0	1.1	1.1	9	Failed r	2016	2016	3		-9.7	-10.0
PV1	San Buenaventura	Martha Huarachi Ramos;	LPZ-ITU-SBV-STA-065-S1-P2	Tectona grandis	0.5	10.0	10.0	80	Failed r	2016	2016	3		-91.8	-92.0
PV1	San Buenaventura	Martha Huarachi Ramos;	LPZ-ITU-SBV-STA-065-S1-P2r	Tapirira guianensis	0.0	1.1	1.1	9	Replanted	2016	2016	3	9.0	-0.7	-1.0
PV1	San Buenaventura	Martha Huarachi Ramos;	LPZ-ITU-SBV-STA-065-S1-P2r	Tectona grandis	0.5	10.0	10.0	80	Replanted	2016	2016	3	80.0	-11.8	-12.0
PV1	San Buenaventura	Pedro Benito Marupa Macuapa;	LPZ-ITU-SBV-TUM-03-S1-P1Bs	Dipteryx odorata	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV1	San Buenaventura	Pedro Benito Marupa Macuapa;	LPZ-ITU-SBV-TUM-03-S1-P1Bs	Tapirira guianensis	0.2	4.5	4.5	36	Replanted	2016	2016	3	36.0	-2.7	-3.0
PV1	San Buenaventura	Pedro Benito Marupa Macuapa;	LPZ-ITU-SBV-TUM-03-S1-P1Bs	Tectona grandis	0.0	0.9	0.9	7	Replanted	2016	2016	3	7.0	-1.0	-1.0
PV2	Rurrenabaque	Domingo Huallpa Condori;	BEN-JBA-RBQ-CLL-41-S1-P1	Tectona grandis	1.0	21.7	21.7	173.8	Failed remaining	2016	2016	3		-199.5	-200.0
PV2	Rurrenabaque	Domingo Huallpa Condori;	BEN-JBA-RBQ-CLL-41-S1-P1a	Tectona grandis	0.9	19.6	19.6	156.4	Remaining	2017	2017	2	156.4	-23.1	-23.0
PV2	Rurrenabaque	Domingo Huallpa Condori;	BEN-JBA-RBQ-CLL-41-S1-P2	Stryphnodendron purpureum	0.4	9.2	9.2	73.6	Failed remaining	2017	2017	2		-73.8	-74.0
PV2	Rurrenabaque	Domingo Huallpa Condori;	BEN-JBA-RBQ-CLL-41-S1-P2	Tapirira guianensis	0.2	4.2	4.2	33.8	Failed r	2017	2017	2		-36.3	-36.0
PV2	Rurrenabaque	Domingo Huallpa Condori;	BEN-JBA-RBQ-CLL-41-S1-P2a	Stryphnodendron purpureum	0.4	10.5	10.5	84.1	Remaining	2017	2017	2	84.1	-0.2	0.0
PV2	Rurrenabaque	Marcelo Camacho Albiz;	BEN-JBA-RBQ-CLL-21-S1-P1	Tapirira guianensis	0.1	1.4	1.4	11.2	Failed	2017	2017	2		-12.1	-12.0
PV2	Rurrenabaque	Marcelo Camacho Albiz;	BEN-JBA-RBQ-CLL-21-S1-P1	Virola flexuosa	0.5	9.1	9.1	72.6	Failed	2017	2017	2		-72.6	-73.0
PV2	Rurrenabaque	Victor Hugo Mamani Mamani;	BEN-JBA-RBQ-CLL-32-S1-P1	Tectona grandis	0.2	4.3	4.3	34.2	Failed remaining	2016	2016	3		-39.6	-40.0
PV2	Rurrenabaque	Victor Hugo Mamani Mamani;	BEN-JBA-RBQ-CLL-32-S1-P1a	Tectona grandis	0.8	17.1	17.1	136.9	Remaining	2016	2016	3	136.9	-21.3	-21.0
PV2	Rurrenabaque	Evangelino Racua Cuellar;	BEN-JBA-RBQ-EBA-17-SL2-PL2	Schizolobium amazonicum	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV2	Rurrenabaque	Evangelino Racua Cuellar;	BEN-JBA-RBQ-EBA-17-SL2-PL2	Stryphnodendron purpureum	0.5	13.1	13.1	105.2	Replanted	2016	2016	3	105.2	-0.2	0.0
PV2	Rurrenabaque	Jose Luis Toro Chino;	BEN-JBA-RBQ-EBA-07-SL1-PL1	Dipteryx odorata	0.4	11.6	11.6	93.1	Failed	2013	2013	6		-93.1	-93.0
PV2	Rurrenabaque	Jose Luis Toro Chino;	BEN-JBA-RBQ-EBA-07-SL1-PL1	Terminalia amazonia	0.1	2.2	2.2	17.8	Failed	2013	2013	6		-17.8	-18.0
PV2	Rurrenabaque	Julio Ruiz Tibi;	BEN-JBA-RBQ-CEB-13-S1-P1	Centrolobium tomentosum	0.1	3.0	3.0	24.2	Replanted	2016	2017	2	24.2	5.8	-

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Surface planted (Ha)	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)	Remark	Year planted	Year re-planted	Age	Issuance 2019	Difference	From buffer ArBolivia
PV2	Rurrenabaque	Julio Ruiz Tibi;	BEN-JBA-RBQ-CEB-13-S1-P1	Tapirira guianensis	0.4	11.3	11.3	90	Replanted	2016	2016	3	90.0	-6.9	-7.0
PV2	Rurrenabaque	Julio Ruiz Tibi;	BEN-JBA-RBQ-CEB-13-S1-P1	Virola flexuosa	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV2	Rurrenabaque	Rufino Choque Machaca;	BEN-JBA-RBQ-LTG-03-S1-P2	Stryphnodendron purpureum	0.5	13.1	13.1	105.2	Replanted	2016	2016	3	105.2	-0.2	0.0
PV2	Rurrenabaque	Rufino Choque Machaca;	BEN-JBA-RBQ-LTG-03-S1-P2	Virola flexuosa	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV2	Rurrenabaque	Justino Alejandro Vedoya;	BEN-JBA-RBQ-NEZ-01-S1-P1	Tectona grandis	0.5	10.9	10.9	86.9	Failed remaining	2016	2016	3		-99.8	-100.0
PV2	Rurrenabaque	Justino Alejandro Vedoya;	BEN-JBA-RBQ-NEZ-01-S1-P1a	Tectona grandis	0.3	6.1	6.1	48.7	Remaining	2016	2016	3	48.7	-7.2	-7.0
PV2	Rurrenabaque	Justino Alejandro Vedoya;	BEN-JBA-RBQ-NEZ-01-S1-P1b	Tectona grandis	0.0	0.9	0.9	7	Remaining	2016	2016	3	7.0	-1.0	-1.0
PV2	Rurrenabaque	Esmeralda Caral Mamani;	BEN-JBA-RBQ-NHS-31-S1-P1a	Tectona grandis	0.5	10.9	10.9	86.9	Replanted	2016	2016	3	86.9	-12.8	-13.0
PV2	Rurrenabaque	Esmeralda Caral Mamani;	BEN-JBA-RBQ-NHS-31-S1-P1a	Virola flexuosa	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV2	Rurrenabaque	Lola Willca de Apaza;	BEN-JBA-RBQ-NHS-26-S1-P2	Clarisia racemosa	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV2	Rurrenabaque	Lola Willca de Apaza;	BEN-JBA-RBQ-NHS-26-S1-P2	Tectona grandis	0.5	10.9	10.9	86.9	Replanted	2016	2016	3	86.9	-12.8	-13.0
PV2	Rurrenabaque	Adolfo Mamani Reynaga;	BEN-JBA-RBQ-RUP-006-S1-P1	Dipteryx odorata	0.3	8.0	8.0	63.8	Failed	2016	2016	3		-63.8	-64.0
PV2	Rurrenabaque	Adolfo Mamani Reynaga;	BEN-JBA-RBQ-RUP-006-S1-P1	Stryphnodendron purpureum	0.8	20.5	20.5	164.1	Failed remaining	2016	2016	3		-165.2	-165.0
PV2	Rurrenabaque	Adolfo Mamani Reynaga;	BEN-JBA-RBQ-RUP-006-S1-P1	Swietenia macrophylla	0.4	8.7	8.7	69.4	Failed remaining	2016	2016	3		-69.4	-69.0
PV2	Rurrenabaque	Adolfo Mamani Reynaga;	BEN-JBA-RBQ-RUP-006-S1-P1	Virola flexuosa	0.7	13.7	13.7	109.2	Failed remaining	2016	2016	3		-109.2	-109.0
PV2	Rurrenabaque	Adolfo Mamani Reynaga;	BEN-JBA-RBQ-RUP-006-S1-P1a	Stryphnodendron purpureum	0.6	15.1	15.1	120.4	Remaining	2016	2016	3	120.4	-0.8	-1.0
PV2	Rurrenabaque	Adolfo Mamani Reynaga;	BEN-JBA-RBQ-RUP-006-S1-P1a	Swietenia macrophylla	0.0	0.2	0.2	1.8	Remaining	2016	2016	3	1.8	0.0	-
PV2	Rurrenabaque	Adolfo Mamani Reynaga;	BEN-JBA-RBQ-RUP-006-S1-P1a	Virola flexuosa	0.0	0.2	0.2	1.6	Remaining	2016	2016	3	1.6	0.0	-
PV2	Rurrenabaque	Narcisca Crespo Ilich de Jaime;	BEN-JBA-RBQ-RUP-016-S1-P2	Calophyllum brasiliense	0.5	14.3	14.3	114.7	Replanted	2016	2016	3	114.7	28.9	-
PV2	Rurrenabaque	Narcisca Crespo Ilich de Jaime;	BEN-JBA-RBQ-RUP-016-S1-P2	Hymenaea courbaril	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV2	Rurrenabaque	Hilarion Zuna Ramos;	BEN-JBA-RBQ-SML-08-S2-P2a	Tectona grandis	0.4	8.6	8.6	68.4	Replanted	2016	2016	3	68.4	-10.7	-11.0
PV2	Rurrenabaque	Hilarion Zuna Ramos;	BEN-JBA-RBQ-SML-08-S2-P2a	Virola flexuosa	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV2	Rurrenabaque	Cirilo Copa Mamani;	BEN-JBA-RBQ-UNC-21-S1-P2	Tectona grandis	0.5	10.9	10.9	86.9	Replanted	2016	2016	3	86.9	-12.8	-13.0
PV2	Rurrenabaque	Cirilo Copa Mamani;	BEN-JBA-RBQ-UNC-21-S1-P2	Virola flexuosa	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV2	Rurrenabaque	Gilberto Divibay Paredes;	BEN-JBA-RBQ-VCM-18-S1-P2	Stryphnodendron purpureum	0.4	10.5	10.5	84.1	Failed remaining	2016	2016	3		-84.3	-84.0
PV2	Rurrenabaque	Gilberto Divibay Paredes;	BEN-JBA-RBQ-VCM-18-S1-P2	Tapirira guianensis	0.1	2.8	2.8	22.5	Failed remaining	2016	2016	3		-24.2	-24.0
PV2	Rurrenabaque	Gilberto Divibay Paredes;	BEN-JBA-RBQ-VCM-18-S1-P2	Virola flexuosa	0.0	0.0	0.0	0	Failed remaining	2016	2016	3		0.0	-
PV2	Rurrenabaque	Gilberto Divibay Paredes;	BEN-JBA-RBQ-VCM-18-S1-P2a	Stryphnodendron purpureum	0.1	1.3	1.3	10.5	Remaining	2017	2017	2	10.5	0.0	0.0
PV2	Rurrenabaque	Gilberto Divibay Paredes;	BEN-JBA-RBQ-VCM-18-S1-P2a	Tapirira guianensis	0.4	11.3	11.3	90	Remaining	2017	2017	2	90.0	-6.9	-7.0
PV2	San Borja	Cesar Eleno Burgos Mocho;	BEN-JBA-SBJ-BOR-02-S1-P2	Calophyllum brasiliense	0.5	14.3	14.3	114.7	Replanted	2016	2016	3	114.7	28.9	-
PV2	San Borja	Cesar Eleno Burgos Mocho;	BEN-JBA-SBJ-BOR-02-S1-P2	Virola flexuosa	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV2	San Borja	Rosa Yoryina Burgos Mocho;	BEN-JBA-SBJ-BOR-(001)09-S1-P1	Stryphnodendron purpureum	0.5	13.1	13.1	105.2	Failed	2016	2016	3		-105.4	-105.0
PV2	San Borja	Rosa Yoryina Burgos Mocho;	BEN-JBA-SBJ-BOR-(001)09-S1-P1	Terminalia oblonga	0.5	11.4	11.4	91.3	Failed	2016	2016	3		-91.3	-91.0
PV2	San Borja	Flora Yapura Yucra;	BEN-JBA-SBJ-EPR-041-S1-P1	Calophyllum brasiliense	0.1	2.9	2.9	22.9	Failed remaining	2014	2014	5		-17.2	-17.0
PV2	San Borja	Flora Yapura Yucra;	BEN-JBA-SBJ-EPR-041-S1-P1	Dipteryx odorata	0.1	2.8	2.8	22.2	Failed remaining	2014	2014	5		-22.2	-22.0
PV2	San Borja	Flora Yapura Yucra;	BEN-JBA-SBJ-EPR-041-S1-P1a	Dipteryx odorata	0.8	22.2	22.2	177.3	Remaining	2014	2014	5	177.3	0.0	-
PV2	San Borja	Flora Yapura Yucra;	BEN-JBA-SBJ-EPR-041-S6-P6	Calophyllum brasiliense	0.5	14.3	14.3	114.7	Failed	2014	2014	5		-85.8	-86.0
PV2	San Borja	Juvenal Sarmiento Parina;	BEN-JBA-SBJ-IMP-012-S1-P1	Calophyllum brasiliense	0.5	14.2	14.2	113.9	Replanted	2016	2016	3	113.9	28.6	-
PV2	San Borja	Juvenal Sarmiento Parina;	BEN-JBA-SBJ-IMP-012-S1-P1	Stryphnodendron purpureum	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV2	San Borja	Juvenal Sarmiento Parina;	BEN-JBA-SBJ-IMP-012-S1-P2	Calophyllum brasiliense	0.5	14.2	14.2	113.9	Replanted	2016	2016	3	113.9	28.6	-
PV2	San Borja	Juvenal Sarmiento Parina;	BEN-JBA-SBJ-IMP-012-S1-P2	Terminalia oblonga	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-

PV	Municipality	Farmers name	Unique sector code	Tree specie planted	Surface planted (Ha)	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)	Remark	Year planted	Year re-planted	Age	Issuance 2019	Difference	From buffer ArBolivia
PV2	San Borja	Leonardo Catari Mamani;	BEN-JBA-SBJ-IMP-002-S1-P1	Stryphnodendron purpureum	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV2	San Borja	Leonardo Catari Mamani;	BEN-JBA-SBJ-IMP-002-S1-P1	Terminalia amazonia	0.6	15.5	15.5	124.2	Replanted	2016	2016	3	124.2	0.0	-
PV2	San Borja	Leonardo Catari Mamani;	BEN-JBA-SBJ-IMP-002-S1-P1	Terminalia oblonga	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV2	San Borja	Marcos Aliano Coajera Cuqueño;	BEN-JBA-SBJ-IMP-020-S1-P1	Calophyllum brasiliense	0.6	17.1	17.1	136.7	Replanted	2016	2016	3	136.7	34.3	-
PV2	San Borja	Marcos Aliano Coajera Cuqueño;	BEN-JBA-SBJ-IMP-020-S1-P1	Virola flexuosa	0.0	0.0	0.0	0	Failed r	2016	2016	3		0.0	-
PV2	San Borja	Maria Luz Escobar Encinas;	BEN-JBA-SBJ-IMP-031-S1-P2a	Tectona grandis	0.5	10.7	10.7	85.6	Remaining	2016	2016	3	85.6	-13.3	-13.0
PV2	San Borja	Maria Luz Escobar Encinas;	BEN-JBA-SBJ-IMP-031-S1-P2b	Tectona grandis	0.5	10.7	10.7	85.6	Failed remaining	2016	2016	3		-98.9	-99.0
PV2	San Borja	Victor Hugo Yapura Ortiz;	BEN-JBA-SBJ-IMP-06-S1-P1	Calophyllum brasiliense	0.8	21.5	21.5	172.1	Failed<2014	2014	2014	5		-128.8	-129.0
PV2	San Borja	Victor Hugo Yapura Ortiz;	BEN-JBA-SBJ-IMP-06-S1-P1	Stryphnodendron purpureum	0.0	0.0	0.0	0	Failed<2014	2014	2014	5		0.0	-
PV2	San Borja	Victor Hugo Yapura Ortiz;	BEN-JBA-SBJ-IMP-06-S1-P1a	Calophyllum brasiliense	0.0	0.9	0.9	6.9	Replanted failed	2017	2017	2		-5.2	-5.0
PV2	San Borja	Victor Hugo Yapura Ortiz;	BEN-JBA-SBJ-IMP-06-S1-P1a	Stryphnodendron purpureum	0.3	7.1	7.1	56.8	Replanted failed	2017	2017	2		-56.9	-57.0
PV2	San Borja	Aurelio Quispe Nina;	BEN-JBA-SBJ-YAC-008-S1-P1	Tectona grandis	0.2	5.2	5.2	41.7	Failed r	2016	2016	3		-47.9	-48.0
PV2	San Borja	Aurelio Quispe Nina;	BEN-JBA-SBJ-YAC-008-S1-P1a	Tectona grandis	0.2	3.5	3.5	27.8	Replanted	2016	2016	3	27.8	-4.1	-4.0
PV2	San Borja	Aurelio Quispe Nina;	BEN-JBA-SBJ-YAC-008-S1-P1b	Tectona grandis	0.1	1.7	1.7	13.9	Replanted	2016	2016	3	13.9	-2.1	-2.0
PV2	San Borja	Aurelio Quispe Nina;	BEN-JBA-SBJ-YAC-008-S2-P2	Terminalia oblonga	0.0	0.7	0.7	5.5	Failed	2016	2016	3		-5.5	-5.0
PV2	San Borja	Aurelio Quispe Nina;	BEN-JBA-SBJ-YAC-008-S2-P2a	Terminalia oblonga	0.4	10.0	10.0	80.4	Replanted	2016	2016	3	80.4	0.0	-
PV2	San Borja	Delicia Huallata Lero;	BEN-JBA-SBJ-YAC-010-S5-P4	Terminalia amazonia	0.1	2.8	2.8	22.1	Failed remaining	2014	2014	5		-22.1	-22.0
PV2	San Borja	Delicia Huallata Lero;	BEN-JBA-SBJ-YAC-010-S5-P4a	Terminalia amazonia	0.9	24.9	24.9	199	Remaining	2014	2014	5	199.0	0.0	-
PV2	San Buenaventura	Natalia Ticona De Chamizo;	LPZ-ITU-SBV-SBP-022-S3-P2	Centrolobium tomentosum	1.0	30.3	30.3	242	Failed remaining	2016	2016	3		-184.4	-184.0
PV2	San Buenaventura	Natalia Ticona De Chamizo;	LPZ-ITU-SBV-SBP-022-S3-P2a	Centrolobium tomentosum	0.8	24.2	24.2	193.6	Remaining	2016	2016	3	193.6	46.1	-
PV2	San Buenaventura	Roberto Tito Mamani;	LPZ-ITU-SBV-STA-10-S1-P1a	Tectona grandis	0.7	15.2	15.2	121.7	Failed	2016	2016	3		-139.7	-140.0
PV2	San Buenaventura	Roger Terrazas Gonzales;	LPZ-ITU-SBV-TUM-01-S1-P2	Dipteryx odorata	0.5	13.9	13.9	110.8	Failed	2016	2016	3		-110.8	-111.0
PV3	Chimoré	Leoncio Almendras Vasquez;	CBA-CRO-CHR-SDA-54-S3-P3	Centrolobium tomentosum	0.1	3.0	3.0	24.2	Replanted	2016	2016	3	24.2	5.8	-
PV3	Chimoré	Leoncio Almendras Vasquez;	CBA-CRO-CHR-SDA-54-S3-P3	Tapirira guianensis	2.9	81.6	81.6	652.7	Replanted	2016	2016	3	652.7	-49.8	-50.0
PV3	San Buenaventura	Tania Patty Yucra Huayna;	LPZ-ITU-SBV-SID-33-S8-P1	Centrolobium tomentosum	1.0	30.3	30.3	242	Replanted	2016	2017	2	242.0	57.6	-
PV3	San Buenaventura	Tania Patty Yucra Huayna;	LPZ-ITU-SBV-SID-33-S8-P1	Centrolobium tomentosum	1.2	36.3	36.3	290.4	Failed r	2016	2016	3		-221.3	-221.0
PV3	San Buenaventura	Tania Patty Yucra Huayna;	LPZ-ITU-SBV-SID-33-S8-P1	Stryphnodendron purpureum	0.4	10.5	10.5	84.1	Replanted failed	2017	2017	2		-84.3	-84.0
															-3,462

Annex 4: Historic Sales Chart

Vintage	Buyer	No of PVCs	Price per PVC (USD)*	Total sale amount (USD)*	Price to participants per PVC (USD)*	% Sale price received by participants
Sales 2018						
2016	Forest Carbon Ltd	6669				
2017	Forest Carbon Ltd	3373				
2016	Greenamity	296				
2017	ZeroMission AB	889				
2017	Ecology B Soc	196				
2017	Finidr sro	25				
Subtotal sales 2018		11,448		52,805	46,937	89%
Previously sold:						
2010	ForestFinance	10,034				
2010	COZero Pty Ltd	100				
2010	Sydney Convention & Exhibition Centre	100				
2010	ZeroMission AB	2,463				
2010	ZeroMission AB	525				
2010	ZeroMission AB	93				
2011	ZeroMission AB	93				
2011	ZeroMission AB	2,604				
2011	ZeroMission AB	2,303				
2011	ZeroMission AB	307				
2011	Retired (Lifegate)	5,000				
2011	ZeroMission AB	500				

2011	ZeroMission AB	2,363				
2011	ZeroMission AB	500				
2011	ZeroMission AB	1,287				
2011	Retired (D M & K E Brotherton)	85				
2011	Retired (Ecology Building Society)	838				
2011	ZeroMission AB	4,063				
2011	Zero Mission	4,063				
2011	Zero Mission	479				
2011	Greenamity	182				
2011	Ecology Building Society	339				
2011	Ecology Building Society	231				
2011	Greenamity	177				
2011	Greenamity	38				
2016	Greenamity	170				
2011	ZeroMission AB	2,178				
2011	ZeroMission AB	1,431				
2011	ZeroMission AB	24				
2011	ZeroMission AB	28				
2016	ZeroMission AB	3,537				
Subtotal sales 2011 – 2017		46,135		319,323	258,817	81%
Total sales until 2018		57,583		372,128	305,754	82%

*Pricing reported for internal monitoring purposes only. Pricing information will be removed from the final published document.