



ArBolivia Project Annual Report for the year 2019

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Summary

Project overview

Reporting period

Geographical areas

1st January 2019 – 31st December 2019

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

Technical specifications in use

Mixed Species Forest Plantations –
MSFP (revised version 2019)

Project indicators		Historical (2011 -2018)	Added/ Issued this period (2019)	Total
No. smallholder households with PES agreements		234	28	262
No. community groups with PES agreements (where applicable)		88	17	105
Approximate number of households (or individuals) in these community groups		1760	340	2100
Area under management (ha) where PES agreements are in place		320.3	57.5	377.8
Total PES payments made to participants (USD)		240,703	28,013	268,716
Total sum held in trust for future PES payments (USD)		N/A	N/A	N/A
Allocation to Plan Vivo buffer (tCO ₂)*	New areas (2019 recruitment)	N/A	1,614	1,614
	From existing area/extra growth (2011 -2018 recruitments)	8,779	247	9,026
	Total	8,779	1,861	10,640
Allocation to project withholdings (tCO ₂ e)	New areas (2019 recruitment)	N/A	1,615	1,615
	From existing area/extra growth (2011 -2018 recruitments)	5,489	2,087	7,576
	Total	5,489	3,702	9,191
Saleable emissions reductions achieved (tCO ₂)	New areas (2019 recruitment)	N/A	12,915	12,915
	Existing areas (2011 -2018 recruitments)	73,514	138	73,652
	Total	73,514	13,053	86,567
Unsold stock at time of Submission (PVCs)				
2018 Vintage		1,931	138	2,069
2019 Vintage		n/a	12,915	12,915
Total Unsold Stock (PVC)		1,931	13,053	14,984
Plan Vivo Certificates (PVCs) issued to date				73,514
Plan Vivo Certificates requested for issuance (2019 Vintage)				13,053
Total PVCs issued (including this report)				86,567

* Due to a minor miscalculation in the summary table of the previous annual report, a total of 8,779 buffer credits had been issued instead of 8,778. This has been corrected in this annual report through issuing one less buffer credit than otherwise planned.

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 2018 and on new plantations brought under the Plan Vivo Standard in 2019.
- The plantations are located in the departments La Paz, Beni, Cochamba and Santa Cruz:
 - La Paz: province Abel Ituralde, municipalities San Buenaventura and Ixiamas
 - Beni: province José Ballivian: municipalities Rurrenabaque and San Borja, Reyes
 - Santa Cruz, Ichilo province municipalities Yapacani, San Carlos, Buena Vista, Porongo, San Juan
 - Cochabamba: Tropics of Cochabamba, municipalities Chimoré, Shinahuata, Pto Villarroel.

Figure 2.1: Location of the province of José Ballivian in the dpt. of Beni and the province A. Ituralde in the dpt. of La Paz

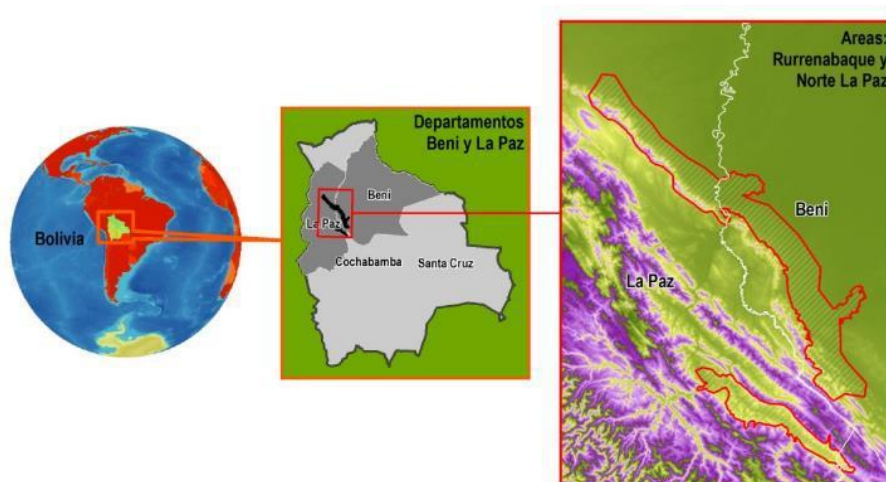


Figure 2.2: Location of the Cochabamba Tropics area, dpt. Cochabamba

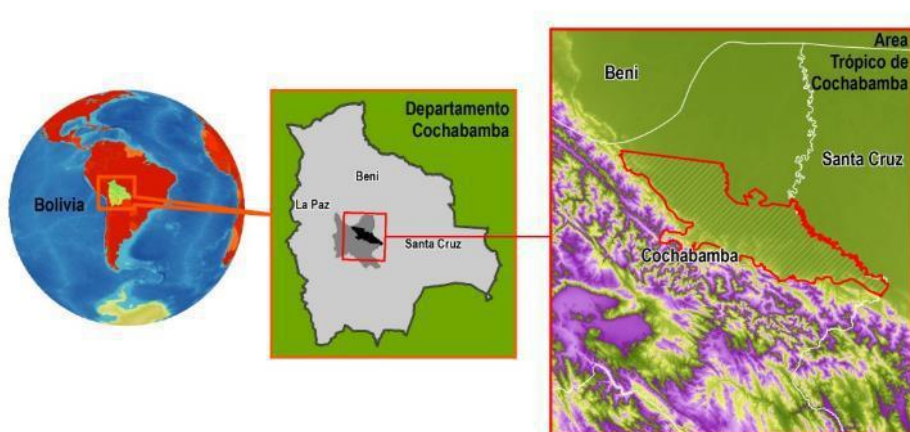
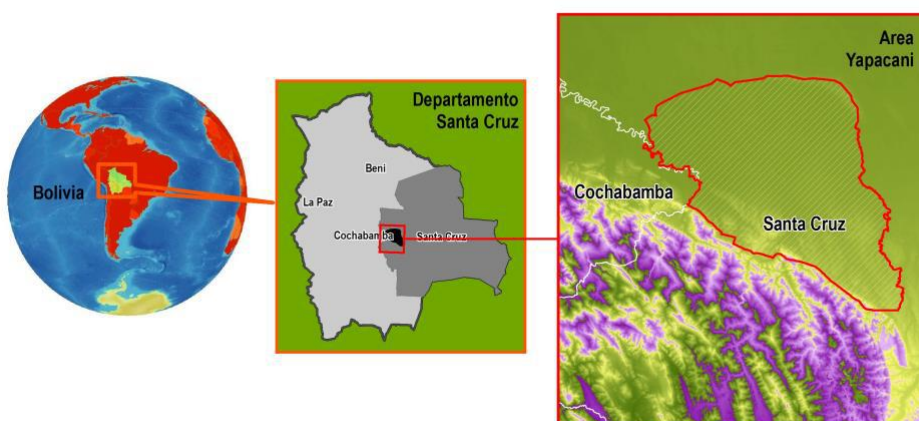


Figure 2.3: Location of the province Ichilo, Santa Cruz



- A new website has been launched: www.sicirec-bolivia.org
- A new map-viewer has been developed <http://dss.sicirec-bolivia.org/mapa-last-version/index.html>. This map-viewer makes it possible to give real-time information about the established woodlots and agroforestry systems. The information is intended to serve different users and user groups. These user groups are:
 - The General Public: An overview of the planted areas is shown.
 - Staff: Locations with specific management data can be provided.
 - Municipalities and farmers organisations: A quick and detailed overview can be given of the woodlots established and maintained within their jurisdiction.
 - Certifiers: Transparency is provided with the locations and specific data for established and maintained woodlots and agroforestry systems.
 - Project supporters: For project supporters financing specific areas, log-in codes can be provided, with information on the specific areas.
 - Project team: The map provides more comprehensive data on species, planting year and site visits.

A2 Successes and challenges

- During 2019, the following developments and challenges are noteworthy:
 - Technical Specifications have been updated according to specific new monitoring data.
 - The verification process has been finished, based on these adapted technical specifications.
 - Annual meetings with the 21 forestry committees have been utilised to monitor problems and potential future problems, capacity building needs, and to guide future interventions. See Section H3 for more information.
 - The ArBolivia project provided placements for 7 students (4 national and 3 international).
 - 4 students from the Universidad Autonoma Gabriel René Moreno (Santa Cruz) and 1 international student from the University of Applied Sciences Van Hall Larenstein (The Netherlands) completing internships,
 - 1 MSc thesis from Wageningen University (The Netherlands), and
 - 1 BSc thesis from Wageningen University (The Netherlands).
 - A group of forestry students of the University Autonoma San Simón had a 2-day field visit to different project sites and the nursery in San Carlos to learn about reforestation.

- Sicirec Bolivia Ltda has been part of an advisory body for the National Forestry Authority on reforestation.
- Thinning of the plantations has continued in 2019, and has been carried out in 34 woodlots, resulting in revenues for farmers of 89,407 Bs (approximately 13,052 USD).
- All farmers received regular visits, in which both monitoring of the plantations and on-site training were conducted.
- **Challenges:**
 - There is growing interest among both farmers as well as investors in Plan Vivo Units. Logically, this should result in a large increase in tree planting but the excessive level of security demanded by investors continues to act a barrier to expansion. Invariably, investors expect trees to have been planted and established before committing funds. The majority also expect their Emissions Reductions to have been verified before paying for them. Unfortunately, this form of thinking is unfairly detrimental for all tree-planting projects.
 - Forest fires: August, September, October, November have been difficult months for Bolivia. In August and September Bolivia, along with other South American countries, suffered from extensive forest fires. Fortunately, thanks to the rapid work of the project team engaging with participant farmers and preventing fires from starting and spreading, no project areas were directly affected.
 - Social disturbance: As a result of the election of October 20th, social disturbance made it difficult for the team to continue its work in the field. With the exception of our nursery workers, all staff members were evacuated from the project areas for their own safety. Similarly, nursery workers were requested to work at restricted hours, which resulted in a significant loss of seedlings in the nursery. After the social disturbances subsided, staff members were eventually able to return to work on the 25th of November. In order to recover the time lost, our staff worked around the clock until the 23th of December, resulting in 94 new hectares established in 2020. Whilst this is slightly less than the 120 programmed, we are happy with this success given the circumstances. 57.5 are part of this report and the rest will be included later in the PV-reports, as agreed with the investor, Trees for All.

A3 Project developments

- The Technical Specification have been updated as shown in Table 1 below;

Table 1: Document updates

PDD (including technical specifications) document version:		
PDD section	Date change	Short description of update
<i>Technical Specifications</i>	<i>12-13- 2019</i>	<i>Adapted growth curves of main species</i>

- The verification report, which describes the findings of the 2018 verification (see the 2018 annual report for more information) was finalised in this reporting period in May 2019. It listed 2 minor forward action requests (FARs) due by 2023. Progress has been made to correct these FARs. In Table 2 all outstanding corrective actions are listed and the progress made against these during this reporting period.

Table 2: Progress against corrective actions

Document	Corrective action	Activity against this
Verification Report (1 April 2019)	<i>CUC-FAR-01(Minor) deadline for closure 23th of October 2023 – waste management procedures and policies, as well 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</i>	• This partly referred to waste from plastic pots for seedlings. To mitigate this, field staff has included waste management (disposal of (plastic pots) as part of the training. Though not observed as part of the FAR this also includes the management of waste from non-project related activities on the farm. In 2020 bio-degradable pots will be trialled in the nursery and, if successful, this will become standard. • The other part of the FAR referred to disposal of waste oil from moto-cycles and chain saws, which is currently processed by non-licensed companies. Sicirec is studying alternatives oils as well as the possibilities for using licensed companies
Verification Report (1 April 2019)	<i>CUC-FAR-02 (Minor) deadline for closure 23th of October 2023- Project developer did not review the documents such as “manuales de campos socioeconomico y biodiversidad”, “ Sistema de monitoreo y evaluación del proyecto ArBolivia” and did not update information that is being implemented at field level, such as like calliper use for measurements, buffer zones protocol, health and safety at thinning, waste management and species growth model for example.</i>	• Updating of all documents is in process, this process will be finished in 2020

A4 Future Developments

- The ambition for 2020 is to expand pre-financing and loan facilities for climate projects.
- According to our strategic plan to meet farmers’ demand and optimise our current capacity, approximately 300 hectares of woodlots and 100 hectares of agroforestry systems will be planted each year over the next 5 years. For 2020, most of this is already under contract.
- In 2020, Sicirec Bolivia ltda will continue its support to the National Forest Authority by providing advice on reforestation. It will also support the vice ministry of environment, climate change and forestry in the development of climate strategies related to forestry.
- In addition to the extension of the ArBolivia project in 2020, Sicirec Bolivia ltda will develop a new project for the Chiquitania region in Bolivia. This area has been highly affected by the forest fires with over 5 million hectares having been destroyed, most of it forests and savannas, but also crop land. This new project will focus on forest restoration, reforestation,

agroforestry, forest management and fire prevention with indigenous communities. Sicirec Bolivia ltda will work closely with the national, regional, local authorities and communities.

Part B: Project activities

B1 Project activities generating Plan Vivo Certificates

- Table 3 below lists the technical specifications being used in the project, the area covered and participants using these.

Table 3: Project activity summary

Name of technical specification	Area (Ha)	No smallholder households	No Community Groups
Mixed species Forest Plantation	377.8	262	105

- In 2019, 37 families in 30 communities established new woodlots, 28 of these smallholder families joined the programme for the first time.
- 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 adversely affect 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, with the steps taken to ensure this described in Table 4. The data from this monitoring is stored internally but no consolidated reports on this have yet been produced.

Table 4: Description of monitoring potential negative impacts

Indicator	Example	Action taken
Farmer has not enough space for subsistence (food crops) and cash crops.in	This should have been addressed at planning stage, but circumstances could have changed, causing it to now be a concern, e.g. family size increases, causing greater demand for food crops.	The project explores options with the farmer for introduction of coffee and/or cacao for short-term income generation.
Woodlot activities resulting in losses of income somewhere else on the farm.	The time taken for weeding reduces income from crops due to not being able to manage crops.	Assessed on a case-by-case basis and project explores options for adapted management structure of the woodlots.

- As described already; thinnings generated additional income during 2019 for several farmers.

Part C: Plan Vivo Certificate issuance submission

C1 Contractual statement

- The issuance of credits is based on signed agreements with the smallholders, which outline the responsibilities and rights of both the smallholders and Sicirec Bolivia ltda.

C2 Issuance request

- During 2019 another 57.5 hectares have been brought under Plan Vivo. These hectares generate a total of 12,915 tCO₂e. In Table 5, the issuance request for new areas is specified.

Table 5: Issuance request for Plan Vivo Certificates allocated to new participants and land

Tech. Spec. used	No of participants / groups allocated	Total area allocated (ha)	Carbon Potential (tCO ₂ /ha)	Total ER's (tCO ₂)	% buffer	No. of PVCs allocated to PV	No. of PVCs allocated to internal buffer	Saleable ER's (tCO ₂) from this period
<i>TS Mixed forests</i>	37	57.5	280.8	16,144	10+10%	1,614	1,614	12,915
TOTAL	37	57.5	280.8	16,144	10+10%	1,614	1,614	12,915

C3 Allocation of issuance request

- Table 6 describes the issuance request and its current allocation to buyers

Table 6: Allocation of issuance request

Buyer name/ Unsold Stock	No. PVCs transacted	Registry ID (if available) or Project ID if destined for Unsold Stock	Tech spec(s) associated with issuance
<i>Unsold Stock</i>	12,915	100000000000695	<i>MSFP</i>
TOTAL	12,915		

C4 Data to support issuance request

Table 7 shows the newly-established plantations per community, and its corresponding farmer organisation and forestry committee. A full overview of the new established areas can be found in Annex 1.

Table 7: New established woodlots 2019

#	Department	Municipality	Community	Organisation	Forestry committee	# farmers	Surface (ha)
1	BENI	Rurrenabaque	Nueva Esperanza	FECAR	12 de Junio	1	1.5
2	BENI	Rurrenabaque	Río Hondo	CRTM	Tsimane	4	3
3	BENI	Rurrenabaque	San Antonio del Cauchal	FECAR	12 de Junio	1	1
4	BENI	San Borja	Colonia Agropecuaria Soledad Núcleo C	FEPAY	Ambiente Sano	1	1.5
5	COCHABAMBA	Chimoré	Senda F 27 de Mayo	FCICH	n/a	1	2.5

#	Department	Municipality	Community	Organisation	Forestry committee	# farmers	Surface (ha)
6	COCHABAMBA	Chimoré	Senda Tres	FCICH	n/a	1	2
7	LA PAZ	San Buenaventura	25 de Mayo	FESPAI	Gabú	1	1.5
8	LA PAZ	San Buenaventura	El Dorado	FESPAI	Madidi	1	2
9	LA PAZ	San Buenaventura	San Silvestre	CIPTA	Mara	1	0.5
10	LA PAZ	San Buenaventura	Tumupasa	CIPTA	Mara	2	3
11	SANTA CRUZ	Buena Vista	25 de Julio F. Río Colorado	CSUTB	Las Maras	1	1
12	SANTA CRUZ	Buena Vista	Espejitos	CSUTB	Distrito 3 Amboro	1	0.5
13	SANTA CRUZ	Buena Vista	Quebrada León	CSUTB	Las Maras	1	1
14	SANTA CRUZ	Buena Vista	San Rafael de Carandá	CSUTB	Las Maras	1	2.5
15	SANTA CRUZ	Buena Vista	Tupac Katari	CSUTB	n/a	1	3.5
16	SANTA CRUZ	San Carlos	25 de Septiembre		Tarara	1	2.5
17	SANTA CRUZ	San Carlos	Tacuarita		Tarara	1	2
18	SANTA CRUZ	Yapacaní	23 de Marzo	FSCIPAY	Los Tajibos	1	1
19	SANTA CRUZ	Yapacaní	25 de Mayo	FSCIPAY	Amboro Ichilo	1	1
20	SANTA CRUZ	Yapacaní	6 de Agosto Platanal	FSCIPAY	n/a	1	4
21	SANTA CRUZ	Yapacaní	Abaroa	FSCIPAY	Amboro Ichilo	2	2
22	SANTA CRUZ	Yapacaní	Cerro Verde	FSCIPAY	Amboro mutún	1	1
23	SANTA CRUZ	Yapacaní	Chorolque	FSCIPAY	Palo maría	1	1.5
24	SANTA CRUZ	Yapacaní	Coloradito	FSCIPAY	Amboro mutún	1	1
25	SANTA CRUZ	Yapacaní	Itili Las Petas	FSCIPAY	Zona Sur	1	2
26	SANTA CRUZ	Yapacaní	Los Bananeros	FSCIPAY	Palo román Ichilo	3	4
27	SANTA CRUZ	Yapacaní	Naranjal	FSCIPAY	Zona Sur	1	1.5
28	SANTA CRUZ	Yapacaní	Tercera Transversal	FSCIPAY	Amboro mutún	1	1
29	SANTA CRUZ	Yapacaní	Villa Rosario Km. 45 Faja Central	FSCIPAY	n/a	1	4
30	SANTA CRUZ	Yapacaní	Viña del Mar	FSCIPAY	Palo román Ichilo	1	2
Total						37	57.5

- Monitoring data for areas of land and participants, which support the request can be found in Annex 1.

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, 225 tonnes 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. To adhere to Bolivian regulations, revenues from environmental functions are not subject to market prices but are fixed amounts based on actual 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 provides details of all sales of Plan Vivo Certificates to date.

Table 8: Sales of Plan Vivo Certificates

Vintage(s)	Buyer	No. of PVCs	Price per PVC (\$)*	Total sale amount (\$)*	Price to participants per PVC (\$)*	% Sale price received by participants
Previously sold						
2011 – 2018	Various (see previous annual reports)	53,620**				82%
Sales 2019						
2018	ZeroMission AB	16,336				80%
2018	Banco Fassil S.A.,	1,522				64%
2018	Institute for Sustainable Development and International Relations (France)	105				64%
Total		71,583				81%

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

**This value has been revised since previous annual reports due to internal accounting error. This has not affected the actual number of credits sold or retired, nor the income to participants.

Part E: Monitoring results

E1: Ecosystem services monitoring

- During 2019, 57.5 hectares were established. In Table 9, species distribution is shown and the Average Net GHG Emission Reduction per species.

Table 9: Species distribution of new planted areas

Common name	Scientific name	Surface (Ha)	Net GHG ER (tCO ₂ e)
Almendrillo	Dipteryx odorata	1.0	277
Palo maría	Calophyllum brasiliense	15.1	4,312
Palo yugo	Stryphnodendron purpureum	5.0	1,344
Teca	Tectona grandis	14.3	3,514
Tejeyaque	Centrolobium tomentosum	22.2	6,308
Total		57.5	16,144

- 10% of the emission reduction will be kept in the PV buffer, another 10% will be retained by the project itself, resulting in an issuance request of 12,915 tCO₂e. This issuance request is supported by the detailed monitoring results shown in Annex 1.
- 5 hectares of previously planted woodlots failed either completely or partly during 2019 and have subsequently been replanted during the rainy season, as shown in the Table 10. These failures were caused by the invasion of cattle from neighboring farms, and lapses in maintenance due to illness. No other failures have been reported.

Table 10: Woodlots failed and replanted

Municipality	Community	Farmer	Sector	Area (ha)	Species	planting year	No. Seedlings
Buena Vista	Izama 1	Julian Villarroel Mendoza;	SCZ-ICH-BVT-IZ1-280-S5-P5	2.0	Centrolobium tomentosum	2017	300
Yapacaní	Coop. Gualberto Villarroel	Oscar Melgarejo Camacho;	SCZ-ICH-YAP-CGV-024-S1-P1	1.0	Calophyllum brasiliense	2018	1200
Yapacaní	Tercera Transversal	Susana Cespedes Montaño;	SCZ-ICH-YAP-TER-020-S1-P2	0.8	Centrolobium tomentosum	2018	180
Yapacaní	Tercera Transversal	Susana Cespedes Montaño;	SCZ-ICH-YAP-TER-020-S1-P1	1.2	Centrolobium tomentosum	2018	400
				5.0			2080

- At the end of 2019, Plan Vivo approved revised growth models through the approval of new technical specifications. The project's monitoring results have subsequently also been adjusted. Since this greater growth rate was verified by the 2018 verification, and the verifier also approved of these growth models, this has resulted in an additional issuance request of 138 tnCO₂e. 100 tCO₂e correspond to the plantations established before 31st of December 2017 and 38 tCO₂e correspond to the woodlots established in 2018.
- In addition to this, the adapted growth rates resulted in an increase of ArBolivia's voluntary reserve. The number of potential certificates withheld by the project increased to 5,861 for woodlots established before 2017 and a further 4tns for woodlots established in 2018. Table 11

shows the adapted CO2 calculations compared with the number of tCO2e reported in the 2018 annual report for plantations established before 31st of December 2017.

Table 11: Adapted issuance and comparison of issuance for areas planted before 31/12/2017

Step	Data set	Surface (Ha)	Total ERR	Issuance (tCO2e)	PV buffer contribution (tCO2e)	Withheld by project (tCO2e)	Failure (tCO2e)
1	2017 report values	261.7	65,691	53,620	6,569	5,501	1,068
2	Adjustments made for failure event	9.4	1,334	1,068	133	133	-
3 (=1+2)	Adjusted 2017 Report values	271.1	67,025	54,688	6,703	5,634	
4	Revisions due to lower growth rates	-	-475	-	-48	-427	-
5	Revisions due to higher growth rates	-	6,539	5,231	654	654	-
6 (=3+4+5)	New total (2011 – 2017) due to revised growth models	271.1	73,089	59,919	7,309	5,861	
	New total split			82.0%	10.0%	8.0%	

The CO2e calculation for woodlots established during 2018 as reported in the annual report 2018 and the adapted calculations based on the new growth numbers are shown in Table 12.

Table 12: CO2e projections for woodlots planted in 2018 as in the annual report 2018 and adapted CO2 projections

Data set	Surface (Ha)	Total ERR	Issuance (tCO2e)	PV buffer contribution (tCO2e)	Withheld by project (tCO2e)	Failure (tCO2e)
2018 report values	58.6	17,119	13,695	1,712	1,712	0
Revisions due to higher growth rates		45	38	3	4	
New total (2018) due to revised growth models	58.6	17,164	13,733	1,715	1,716	0
New total split			80%	10%	10%	

This results in a total issuance request for the previous reporting periods of 138 tCO2e and a significant increase of CO2e withheld by the project of 2,087 tCO2e as shown in Table 13.

Table 13: Issuance request for the reporting period 2019

Report	Data set	Surface (Ha)	Total ERR	PV buffer contribution (tCO2e)	Withheld by project (tCO2e)	Failure (tCO2e)	Issuance (tCO2e)
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2018 report	New total (2011 – 2017) due to revised growth models	271.1	70,662	7,066	3,777	1,068	59,819
New	New total (2011 – 2017) due to revised growth models	271.1	73,089	7,310	5,860	1,068	59,919
Difference for adapted growth models planting 2011-2017		-	2,427	244	2,083	0	100

2018 report	2018 areas	58.6	17,119	1,712	1,712		13,695
New	2018 areas	58.6	17,164	1,715	1,716		13,733
Difference plantings 2018		-	45	3	4	0	38

Total difference		-	2,472	247	2,087	0	138
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This results in a total issuance request for this reporting period of 138 + 12,195 tnCO₂e = 13,053 tnCO₂e resulting in 86,567 tnCO₂e for the whole project as shown in Table 14.

Table 14: Summary Table

#	Tech. Spec. used	No of participants / groups allocated	Total area allocated (ha)	Carbon Potential (tCO ₂ /ha)	Total ER's (tCO ₂)	Issuance	PV buffer contribution	Withheld by project
1	Historic (see AR 2018)	234	329.7	266.2	87,781	73,514	8,778	5,489
2	Historic (adapted projections AR 2011-2018)	234	329.7	273.7	90,253	73,652	9,025	7,576
3	Issuance (2019 from adapted growth curves 2-1)	234	329.7		2,472	138	247	2,087
4	2019 recruitment	28*	57.5	281	16,144	12,915	1,614	1,615
5	Issuance request (3+4)				18,616	13,053	1,861	3,702
	TOTAL	262	387.2		106,397	86,567	10,639	9,191
	Split					81.4%	10.0%	8.6%

*Addition to this, 8 previous farmers have expanded their land under the project

- PV-buffer increased to 10,639 tnCO₂, 10% of the total ERR and Arbolivia's voluntary reserve has now increased to 8.6% .
- Monitoring results for all participants and respective areas are shown in Annex 2.

E2: Maintaining commitments

- As in previous years 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. Information on this is noted on field forms and stored in the Decision Support System for each of the farmers.

- During the first two years, 6 evaluation visits of the plantations are foreseen, after that this is reduced to one per year. 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 automatically generated by the system to avoid any possibility of duplication of data and/or double counting. These data can be found in Annex 1 and 2, in the 5th column (sector code) this code is shown. 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 and during the second year another two visits are carried out. After these, 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.

All the recommendations on the themes shown below were subsequently implemented, albeit not always within the suggested time frame.

- **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 has been made on pruning and thinning.
 - Starting in August, the situation and the danger of forest fires nationally worsened. Therefore, the project initiated an intense campaign where, during the visits to the farmers, the risks were analyzed and measures were taken to minimise fire spread and establishment. Measures included the elimination of fuel, teaching the importance of an early warning system, and an application of preventive measures in case of fires, jointly to the forest committees.

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 take action if necessary. An in-depth social impact analysis was finished in June 2019. Its main conclusions can be found in Section F on Impacts.

E4: Environmental and biodiversity monitoring

- The above-mentioned study also included the environmental impacts of the project. Specific Impact evaluation on biodiversity was postponed to the period February-July 2020.

Part F: Impacts

F1: Evidence of outcomes

- As mentioned previously, a masters student from Wageningen University conducted a study entitled “*Commercial Reforestation as a Tool to Build Socio-Ecological Resilience in Smallholder Farms in the Bolivian Lowlands, A Transition Away from Slash and Burn*”. The main conclusions of this study were:
 - Research on soil-quality, ecological and social impact showed that the project leads to positive ecological impact through nutrient accumulation in biomass and an indirect stimulation of more ecologically resilient practices, while showing potential for a positive contribution to economic well-being and soil nutrient accumulation in the future.
 - The collaboration between ArBolivia and smallholder farmers in and around the buffer zone has been shown to contribute to a statistically significant improvement in motivation, stewardship and ecological resilience. This can foster a positive, sustainable impact on nature and farmer well-being. In order to do so however, the quality of collaboration and the sense of farmer empowerment is required to be strong, since these two factors appear to be a foundation for motivation, stewardship and ecological resilience in this context.
 - There are still no hard conclusions to be drawn on the future financial impact. However, given the current level of financial capacity and security among the majority of the interviewees, there is every indication that clear and substantial increases will become evident once the plantations start to generate income.
 - All in all, it can be concluded that collaborative commercial reforestation has visually improved the ecological health of the plots, increased farmer motivation and long-term commitment, fostered a greater sense of stewardship and stimulated ecologically resilient practices among the more empowered farmers, who had a positive collaboration experience with ArBolivia. The approach can therefore be considered to be a viable potential tool to increase both nature’s and farmers’ resilience in tropical forest areas (Reijnierse,2019).

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 transfer their rights regarding the sale of carbon-credits to Sicirec Bolivia Ltda. Sicirec subsequently transfers these rights to the The Cochabamba Project Ltd, which represents all investors in the project. 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. In addition to this, 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 15 show the payments made to farmers since the start of the project for the different stages of the woodlots:

Table 15: Direct performance payments to farmers

No Verif	Moment of Payment	Number of farmers	Surface (ha)	Total Amount (USD)*
V-01	Establishment	276	393.3	35,995
V-02	Maintenance 1 (after 3 months)	266	368.3	19,813
V-03	Maintenance 2 (after > 6 months)	253	348.5	19,513
V-04	Maintenance 3 (after > 10 months)	242	331.8	19,720
V-05	Maintenance 4 (after > 14 months)	236	337.5	19,475
V-06	Maintenance 5 (after > 20 months)	232	304.5	17,710
V-07	Maintenance 6 (after > 26 months)	213	272.6	16,811
V-08	Maintenance 7 (after > 36 months)	181	239.3	14,625
V-09	Maintenance 8 (after > 48 months)	165	212.7	13,121
V-10	Maintenance 9 (after > 60 months)	158	200.7	12,245
V-11	Maintenance 10 (after > 72 months)	132	140.3	8,523
V-12	Maintenance 11 (after > 84 months)	102	93.4	5,854
V-13	Maintenance 12 (after > 96 months)	33	26.3	1,538
V-14	Maintenance 13 (after > 108 months)	1	0.5	30
Total				204,975

*includes tax according Bolivian tax-regulations

Cash payments amounting to the equivalent of 28,013 USD, have been made to farmers during this reporting period. In Table 16 a distribution of these payments according planting year. As can be shown a big part of the payments made have been concentrated on the recently established woodlots. The first year of a woodlots is the most critical one, that is why payments during the first year are made more frequent.

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Table 16: Summary of payments made and held in trust

1. Reporting year	2. Total previous payments (previous reporting periods)	3. Total on-going payments (in this reporting period-2019)	4. Total payments made (2+3)	5. Total payments held in trust	6. Total payments withheld
PV1 (<2013)	48,105	192	48,297	N/A	N/A
PV2 (2014)	75,501	2,612	78,113	N/A	N/A
PV3 (2015/2016)	29,666	2,828	32,494	N/A	N/A
PV4 (2017)	9,225	6,782	16,007	N/A	N/A
PV5 (2018)	14,465	6,265	20,730	N/A	N/A
PV6 (2019)		9,334	9,334		
TOTAL	176,962	28,013	204,975		

In addition, farmers should have received citrus plants and/or coffee plants but due to the political unrest and subsequent constraints in October, it was not possible to do so before the end of the reporting period. Deliveries recommenced in the first quarter of 2020 and the results will be reported in the next annual report.

In previous years this in-kind support accumulated to 63,741 USD, not including the seedlings for wood species. For this year reporting year a reservation of 11,440 USD was made, and as mentioned above this will be implemented during 2020. In Table 17 the value of the in-kind contribution, not including the seedlings and capacity building is shown.

Table 17: The in-kind contribution in USD

1. Reporting year	2. Total value of previously value made in kind contribution	3. Total on-going in kind contribution (in this reporting period-2019)	4. Total in kind contribution made (2+3)	5. Total in kind contributions held in trust
PV1 (<2013)	12,063		12,063	N/A
PV2 (2014)	27,224		27,224	N/A
PV3 (2015/2016)	15,274		15,274	N/A
PV4 (2017)	3,923		3,923	N/A
PV5 (2018)	5,257		5,257	N/A
PV6 (2019)	0	0	0	5,600
TOTAL	63,741	0	63,741	5,600

The accumulated total payments + in kind contribution result in a total sum of 268,716 USD. In addition to this, farmers received plant material and professional advice, which is not taken into account in this sum.

Part H: Ongoing participation

H1: Recruitment

- During 2019, more farmers were willing to plant than we could service. Though the technical capacity is based on an extension of 300 hectares the, financial commitments of supporters to pre-finance was either not enough or was too late to service the full demand. For 2020 we expect to have enough financial support to pre-finance 300 extra hectares of woodlots. These will be planted with a mixture of existing farmers and new farmers within the project area.

H3: Community participation

- The project coordinates its activities with the farmer 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 coordinates with the corresponding organisations, i.e. the Council of Indigenous Tacana People (CIPTA) and the Regional Council Tsimane Mosekene (CRTM).
- With the authorisation and help of the farmers' federation and the Indigenous Councils, 21 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 addition to the communities in the Cochabamba region, some other smaller communities did not want to establish a forestry committee and preferred direct co-ordination 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 co-ordination with the existing community authorities.

Table 18: 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 Tepas	5.1	4
BENI	Rurrenabaque	Colorado Bajo Nucleo 34	FECAR	Ambiente Sano	5.0	6
BENI	Rurrenabaque	Com. Villa Jichani	FECAR	Las Tepas	1.0	1
BENI	Rurrenabaque	Cuatro Ojitos Nucleo 40	FECAR	Ambiente Sano	1.0	1
BENI	Rurrenabaque	El Bala	FECAR	Las Tepas	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	4.8	4
BENI	Rurrenabaque	Nuevos Horizontes	FECAR	12 de Junio	2.0	2
BENI	Rurrenabaque	Propiedad Privada	FECAR	No committee	9.1	11
BENI	Rurrenabaque	Rio Hondo	CRTM	Tsimane	3.0	4
BENI	Rurrenabaque	San Antonio del Cauchal	FECAR	12 de Junio	2.0	2
BENI	Rurrenabaque	San Bernardo	FECAR	Las Tepas	1.5	1
BENI	Rurrenabaque	San Miguel	FECAR	Ambiente Sano	0.9	1
BENI	Rurrenabaque	Ticala Linares	FECAR	Las Tepas	2.0	2
BENI	Rurrenabaque	Uncallamaya	FECAR	Las Tepas	0.5	1
BENI	Rurrenabaque	Villa El Carmen	FECAR	12 de Junio	0.7	1

Department	Municipality	Community	Organisation*	Forestry committee	Surface maintained (Ha)	Farmer families with agreement
BENI	San Borja	Borjanita	FEPAY	Ambiente Sano	1.0	1
BENI	San Borja	Colonia Agropecuaria Soledad Núcleo C	FEPAY	Ambiente Sano	2.8	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 F 27 de Mayo	FCICC	Trópico	2.5	1
COCHABAMBA	Chimoré	Senda Tres	FCICC	Trópico	10.0	3
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
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	10.3	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	6.0	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	6.6	6
LA PAZ	San Buenaventura	Santa Ana	FESPAI	Gabu	8.5	5
LA PAZ	San Buenaventura	Tumupasa	CIPTA	Mara	18.7	14
SANTA CRUZ	Buena Vista	25 de Julio F. Río Colorado	CSUTB	Las Maras	1.0	1
SANTA CRUZ	Buena Vista	Espejitos	CSUTB	Distrito 3 Amboro	3.5	3
SANTA CRUZ	Buena Vista	Izama 1	CSUTB	Distrito 3 Amboro	13.0	5

Department	Municipality	Community	Organisation*	Forestry committee	Surface maintained (Ha)	Farmer families with agreement
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	Quebrada León	CSUTB	Las Maras	1.0	1
SANTA CRUZ	Buena Vista	San Rafael de Carandá	CSUTB	Las Maras	2.5	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	Tupac Katari	CSUTB	No committee	3.5	1
SANTA CRUZ	Buena Vista	Villa Amboro	CSUTB	Villa Amboro	8.0	7
SANTA CRUZ	San Carlos	25 de Septiembre		Tarara	2.5	1
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	4.0	2
SANTA CRUZ	Yapacaní	14 de Diciembre	FSCIPAY	No committee	1.0	1
SANTA CRUZ	Yapacaní	Plataneros 2 de Agosto	FSCIPAY	Palo román Ichilo	1.4	1
SANTA CRUZ	Yapacaní	23 de Marzo	FSCIPAY	Los Tajibos	1.0	1
SANTA CRUZ	Yapacaní	25 de Mayo	FSCIPAY	Amboro Ichilo	1.7	2
SANTA CRUZ	Yapacaní	6 de Agosto Platanal	FSCIPAY	Sin comité	4.0	1
SANTA CRUZ	Yapacaní	Abaroa	FSCIPAY	Amboro Ichilo	3.0	3
SANTA CRUZ	Yapacaní	Cerro Verde	FSCIPAY	Amboro mutún	1.0	1
SANTA CRUZ	Yapacaní	Chorolque	FSCIPAY	Palo maría	1.5	1
SANTA CRUZ	Yapacaní	Coloradito	FSCIPAY	Amboro mutún	1.0	1
SANTA CRUZ	Yapacaní	Colorado Ichilo	FSCIPAY	Amboro mutún	3.8	3
SANTA CRUZ	Yapacaní	Coop. Coordillera	FSCIPAY	Amboro mutún	2.0	1
SANTA CRUZ	Yapacaní	Coop Gualberto Villarroel	FSCIPAY	Los Tajibos	2.0	2
SANTA CRUZ	Yapacaní	Itili Las Petas	FSCIPAY	Zona Sur	2.0	1
SANTA CRUZ	Yapacaní	Los Bananeros	FSCIPAY	Palo román Ichilo	4.0	3
SANTA CRUZ	Yapacaní	Naranjal	FSCIPAY	Zona Sur	1.5	1
SANTA CRUZ	Yapacaní	Tercera Transversal	FSCIPAY	Amboro mutún	5.2	4
SANTA CRUZ	Yapacaní	Union Y Fuerza	FSCIPAY	Amboro mutún	1.0	1
SANTA CRUZ	Yapacaní	Villa Rosario Km. 45 Faja Central	FSCIPAY	No committee	4.0	1
SANTA CRUZ	Yapacaní	Viña del Mar	FSCIPAY	Palo román Ichilo	2.0	1
Total					377.8	266 (4)

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

Four farmers are member of two (neighbouring communities) and are counted in both communities, which makes the total number of farmers 262. These farmers are shown in table 18a

Table 18a: Farmer families with membership in 2 communities

Farmers*	community	municipality	Department
	25 de Julio F. Río Colorado	Buena Vista	SANTA CRUZ
	San Rafael de Carandá	Buena Vista	SANTA CRUZ
	Hurehuapo	San Buenaventura	LA PAZ
	Propiedad Privada	San Buenaventura	LA PAZ
	Izama 1	Buena Vista	SANTA CRUZ
	La Envidia	Buena Vista	SANTA CRUZ
	Comunidad Los Cerritos	San Borja	BENI
	Villa Borjana	San Borja	BENI

*Information included for internal reporting only

- “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 2019 assemblies have been organised, in which ArBolivia presented the financial and a technical report to each of the forestry committees.

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*
- Issues which have been raised by farmers during these meetings are:
 - Farmers are asking for more support in equipment, especially pruning tools and brush cutters. Sicirec is looking for financial possibilities to extend its current pool of equipment, which can be borrowed by farmers.
 - Payments agreed by the project are not always paid on time. Field staff explained cash flow is not always constant, due to delays in payments by project supporters. This is something which needs attention, and therefore Sicirec is looking for long

term commitment of its supporters and will comment to the project supporters as well the importance of financial planning.

- Farmers from the Rurrenabaque area have complained about the amount of work involved in the “first thinning” and that they have not been able to receive an income from the sale of poles, as farmers in other regions have done. They have asked whether, if there is no market, they can at least receive some compensation for their labour. This has the attention of Sicirec Bolivia: if a farmer is not able to do their thinnings, under certain circumstance the field staff of Sicirec can help, but since there is no market for poles from the Rurrenabaque area (distance to the markets is too far) no revenues can be generated. Sicirec Bolivia is looking for other opportunities, such as charcoal production, to generate an income in these areas as well.
- Fire prevention has been an important topic in the meetings with farmers.
- Farmers ask for more support in other activities in addition to the woodlots. This is one of the reasons Sicirec Bolivia ltda is now developing business plans for coffee and cacao and expects to start with this as soon as possible.
- Farmers are also asking for more support in selling their agricultural products.

Part I: Project operating costs

- The Plan Vivo parcels are part of the wider ArBolivia project. A cost estimation for 2019 was made for the 377.8 ha based on the total expenses of the project. The break-down of these costs are shown in Table 19.
- Total expenses relating to PV-Woodlots have been 227,026 USD; revenues from sales have been 183,698, the difference of 43,328 USD has been covered by other sources, mainly by the Hanns Seidel Foundation, and The Cochabamba Project Ltd.

Table 19: break down of expenditures in 2019 related to PVU

Expense	Narrative	Amount (USD\$)
Social Engagement & site selection	Explanation about the project to new farmers, meetings with forestry committees and conflict resolution	7,567
Trees to nursery gate	Seed collection, seedling production in nursery	40,482
Land preparation, establishment: Transport + Training	Sites species matching, plantation design and capacity building for farmers	27,012
Land preparation, establishment	This are direct payments madeto farmers upon establishment of the woodlots	5,336
Plantation maintenance: Training	Training of all PV farmers in plantation management, weeding, replanting, pruning, thinning.	70,583
Plantation maintenance	Direct payments to farmers once woodlot is well maintained	22,675
Monitoring	Quality control of plantations, measurements in permanent sample plots and research	7,825
Carbon costs	Preparation of documents, reporting, third party certification,issuance costs	20,393
Tools/equipment	Brush cutters, pruning equipment and other tools used by farmers	6,818
Overhead	Includes financial audits, office rents, depreciation of vehicles	18,335
Total		227,026

Annexes

Annex 1. Monitoring results for issuance request

Department	Municipality	Community	Farmer*	Sector	Specie		Previous land use	Surface (Ha)	GHG Emission Reductions (tCO ₂ e)				
					Common name	Cientific name			GHG ER per Ha	Total GHG ER	10%retained ArBolivia	Buffer Plan Vivo	Total issuance
BENI	Rurrenabague	Nueva Esperanza		BEN-JBA-RBQ-NEZ-03-S7-P7	Palo yugo	Stryphnodendron purpureum	Perennial	0,5	266	133	13	13	106
BENI	Rurrenabague	Nueva Esperanza		BEN-JBA-RBQ-NEZ-03-S8-P6	Teca	Tectona grandis	Perennial	1,0	244	244	24	24	195
BENI	Rurrenabague	Río Hondo		BEN-JBA-RBQ-RHO-014-S1-P1	Tejeyeque	Centrolobium tomentosum	Perennial	1,0	300	300	30	30	240
BENI	Rurrenabague	Río Hondo		BEN-JBA-RBQ-RHO-002-S1-P1	Tejeyeque	Centrolobium tomentosum	Perennial	0,4	300	120	12	12	96
BENI	Rurrenabague	Río Hondo		BEN-JBA-RBQ-RHO-002-S2-P2	Tejeyeque	Centrolobium tomentosum	Perennial	0,6	300	180	18	18	144
BENI	Rurrenabague	Río Hondo		BEN-JBA-RBQ-RHO-016-S1-P1	Palo maría	Calophyllum brasiliense	Annual	0,5	288	144	14	14	115
BENI	Rurrenabague	Río Hondo		BEN-JBA-RBQ-RHO-017-S1-P1	Palo maría	Calophyllum brasiliense	Annual	0,5	288	144	14	14	115
BENI	Rurrenabague	San Antonio del Cauchal		BEN-JBA-RBQ-SAA-01-S7-P5	Palo yugo	Stryphnodendron purpureum	Annual	1,0	269	269	27	27	215
BENI	San Borja	Colonia Agropecuaria Soledad Núcleo C		BEN-JBA-SBJ-SLD-009-S2-P2	Teca	Tectona grandis	Annual	0,5	248	124	12	12	99
BENI	San Borja	Colonia Agropecuaria Soledad Núcleo C		BEN-JBA-SBJ-SLD-009-S3-P4	Teca	Tectona grandis	Annual	0,5	248	124	12	12	99
BENI	San Borja	Colonia Agropecuaria Soledad Núcleo C		BEN-JBA-SBJ-SLD-009-S4-P3	Palo maría	Calophyllum brasiliense	Annual	0,5	288	144	14	14	115
COCHABAMBA	Chimoré	Senda F 27 de Mayo		CBA-CRO-CHR-SDF-060-S1-P1	Palo maría	Calophyllum brasiliense	Perennial	2,5	284	711	71	71	569
COCHABAMBA	Chimoré	Senda Tres		CBA-CRO-CHR-SD3-058-S1-P1	Palo maría	Calophyllum brasiliense	Perennial	0,2	284	57	6	6	45

Department	Municipality	Community	Farmer*	Sector	Specie		Previous land use	Surface (Ha)	GHG Emission Reductions (tCO ₂ e)				
					Common name	Cientific name			GHG ER per Ha	Total GHG ER	10%retained ArBolivia	Buffer Plan Vivo	Total issuance
COCHABAMBA	Chimoré	Senda Tres		CBA-CRO-CHR-SD3-058-S1-P2	Palo maría	Calophyllum brasiliense	Perennial	1,8	284	512	51	51	409
LA PAZ	San Buenaventura	25 de Mayo		LPZ-ITU-SBV-25M-018-S5-P2	Palo yugo	Stryphnodendron purpureum	Annual	1,0	269	269	27	27	215
LA PAZ	San Buenaventura	25 de Mayo		LPZ-ITU-SBV-25M-018-S6-P3	Tejeyeque	Centrolobium tomentosum	Annual	0,5	302	151	15	15	121
LA PAZ	San Buenaventura	El Dorado		LPZ-ITU-SBV-EDR-1-S6-P3	Teca	Tectona grandis	Annual	2,0	248	495	50	50	396
LA PAZ	San Buenaventura	San Silvestre		LPZ-ITU-SBV-SSR-1-S3-P2	Palo yugo	Stryphnodendron purpureum	Annual	0,5	269	135	13	13	108
LA PAZ	San Buenaventura	Tumupasa		LPZ-ITU-SBV-TUM-04-S8-P3	Palo yugo	Stryphnodendron purpureum	Annual	1,0	269	269	27	27	215
LA PAZ	San Buenaventura	Tumupasa		LPZ-ITU-SBV-TUM-04-S8-P4	Tejeyeque	Centrolobium tomentosum	Annual	1,0	302	302	30	30	242
LA PAZ	San Buenaventura	Tumupasa		LPZ-ITU-SBV-TUM-089-S1-P1	Palo yugo	Stryphnodendron purpureum	Annual	1,0	269	269	27	27	215
SANTA CRUZ	Buena Vista	25 de Julio F. Río Colorado		SCZ-ICH-BVT-25J-23-S4-P4	Tejeyeque	Centrolobium tomentosum	Annual	1,0	302	302	30	30	242
SANTA CRUZ	Buena Vista	Espejitos		SCZ-ICH-BVT-ESS-027-S1-P1	Palo maría	Calophyllum brasiliense	Annual	0,5	288	144	14	14	115
SANTA CRUZ	Buena Vista	Quebrada León		SCZ-ICH-BVT-QLN-026-S1-P3	Teca	Tectona grandis	Annual	1,0	248	248	25	25	198
SANTA CRUZ	Buena Vista	San Rafael de Carandá		SCZ-ICH-BVT-SRC-21-S2-P4	Tejeyeque	Centrolobium tomentosum	Annual	2,2	302	665	67	67	532
SANTA CRUZ	Buena Vista	San Rafael de Carandá		SCZ-ICH-BVT-SRC-21-S2-P3	Palo maría	Calophyllum brasiliense	Annual	0,3	302	91	9	9	73
SANTA CRUZ	Buena Vista	Tupac Katari		SCZ-ICH-BVT-TUP-006-S1-P1	Tejeyeque	Centrolobium tomentosum	Annual	3,5	302	1.058	106	106	847
SANTA CRUZ	San Carlos	25 de Septiembre		SCZ-ICH-SCS-25S-27-S5-P4	Palo maría	Calophyllum brasiliense	Annual	2,5	288	719	72	72	576
SANTA CRUZ	San Carlos	Tacuarita		SCZ-ICH-SCS-TCI-001-S1-P1	Teca	Tectona grandis	Annual	2,0	248	495	50	50	396
SANTA CRUZ	Yapacaní	23 de Marzo		SCZ-ICH-YAP-23M-23-S3-P2	Mara	Swietenia macrophylla	Perennial	0,1	300	36	4	4	29
SANTA CRUZ	Yapacaní	23 de Marzo		SCZ-ICH-YAP-23M-23-S3-P2	Tejeyeque	Centrolobium tomentosum	Perennial	0,9	300	264	26	26	211
SANTA CRUZ	Yapacaní	25 de Mayo		SCZ-ICH-YAP-25Y-019-S5-P4	Almendrillo	Dipteryx odorata	Annual	1,0	277	277	28	28	222
SANTA CRUZ	Yapacaní	6 de Agosto Platanal		SCZ-ICH-YAP-6AP-35-S2-P2	Teca	Tectona grandis	Pasture w trees	4,0	246	983	98	98	786

Department	Municipality	Community	Farmer*	Sector	Specie		Previous land use	Surface (Ha)	GHG Emission Reductions (tCO ₂ e)				
					Common name	Cientific name			GHG ER per Ha	Total GHG ER	10%retained ArBolivia	Buffer Plan Vivo	Total issuance
SANTA CRUZ	Yapacaní	Abaroa		SCZ-ICH-YAP-ABR-046-S1-P1	Mara	Swietenia macrophylla	Pasture w trees	0,2	300	60	6	6	48
SANTA CRUZ	Yapacaní	Abaroa		SCZ-ICH-YAP-ABR-046-S1-P1	Tejeyequé	Centrolobium tomentosum	Pasture w trees	0,8	300	240	24	24	192
SANTA CRUZ	Yapacaní	Abaroa		SCZ-ICH-YAP-ABR-40-S2-P2	Mara	Swietenia macrophylla	Annual	0,3	302	76	8	8	60
SANTA CRUZ	Yapacaní	Abaroa		SCZ-ICH-YAP-ABR-40-S2-P2	Tejeyequé	Centrolobium tomentosum	Annual	0,8	302	227	23	23	181
SANTA CRUZ	Yapacaní	Cerro Verde		SCZ-ICH-YAP-CER-05-S3-P4	Teca	Tectona grandis	Annual	1,0	248	248	25	25	198
SANTA CRUZ	Yapacaní	Chorolque		SCZ-ICH-YAP-CLQ-81-S5-P2	Mara	Swietenia macrophylla	Annual	0,3	302	76	8	8	60
SANTA CRUZ	Yapacaní	Chorolque		SCZ-ICH-YAP-CLQ-81-S5-P2	Tejeyequé	Centrolobium tomentosum	Annual	1,3	302	378	38	38	302
SANTA CRUZ	Yapacaní	Coloradito		SCZ-ICH-YAP-CLT-006-S1-P1	Mara	Swietenia macrophylla	Annual	0,2	302	51	5	5	41
SANTA CRUZ	Yapacaní	Coloradito		SCZ-ICH-YAP-CLT-006-S1-P1	Tejeyequé	Centrolobium tomentosum	Annual	0,8	302	251	25	25	201
SANTA CRUZ	Yapacaní	Itili Las Petas		SCZ-ICH-YAP-IPT-026-S2-P2	Tejeyequé	Centrolobium tomentosum	Annual	2,0	302	605	60	60	484
SANTA CRUZ	Yapacaní	Los Bananeros		SCZ-ICH-YAP-BAN-010-S1-P1	Palo maría	Calophyllum brasiliense	Annual	1,0	288	288	29	29	230
SANTA CRUZ	Yapacaní	Los Bananeros		SCZ-ICH-YAP-BAN-010-S1-P2	Tejeyequé	Centrolobium tomentosum	Annual	1,0	302	302	30	30	242
SANTA CRUZ	Yapacaní	Los Bananeros		SCZ-ICH-YAP-BAN-7Y8-S1-P1	Tejeyequé	Centrolobium tomentosum	Annual	1,0	302	302	30	30	242
SANTA CRUZ	Yapacaní	Los Bananeros		SCZ-ICH-YAP-BAN-016-S1-P2	Tejeyequé	Centrolobium tomentosum	Perennial	1,0	300	300	30	30	240
SANTA CRUZ	Yapacaní	Naranjal		SCZ-ICH-YAP-NAJ-75-S3-P2	Mara	Swietenia macrophylla	Pasture w trees	0,3	300	90	9	9	72
SANTA CRUZ	Yapacaní	Naranjal		SCZ-ICH-YAP-NAJ-75-S3-P2	Tejeyequé	Centrolobium tomentosum	Pasture w trees	1,2	300	360	36	36	288
SANTA CRUZ	Yapacaní	Tercera Transversal		SCZ-ICH-YAP-TER-006-S1-P1	Palo maría	Calophyllum brasiliense	Annual	0,7	288	201	20	20	161
SANTA CRUZ	Yapacaní	Tercera Transversal		SCZ-ICH-YAP-TER-006-S1-P2	Palo maría	Calophyllum brasiliense	Annual	0,3	288	86	9	9	69
SANTA CRUZ	Yapacaní	Villa Rosario Km. 45 Faja Central		SCZ-ICH-YAP-VRR-017-S1-P1	Palo maría	Calophyllum brasiliense	Pasture w trees	0,8	286	229	23	23	183
SANTA CRUZ	Yapacaní	Villa Rosario Km. 45 Faja Central		SCZ-ICH-YAP-VRR-017-S1-P2	Teca	Tectona grandis	Pasture w trees	1,0	246	246	25	25	197

Department	Municipality	Community	Farmer*	Sector	Specie		Previous land use	Surface (Ha)	GHG Emission Reductions (tCO2e)				
					Common name	Cientific name			GHG ER per Ha	Total GHG ER	10%retained ArBolivia	Buffer Plan Vivo	Total issuance
SANTA CRUZ	Yapacaní	Villa Rosario Km. 45 Faja Central		SCZ-ICH-YAP-VRR-017-S1-P3	Palo maría	Calophyllum brasiliense	Pasture w trees	1,3	286	371	37	37	297
SANTA CRUZ	Yapacaní	Villa Rosario Km. 45 Faja Central		SCZ-ICH-YAP-VRR-017-S1-P4	Palo maría	Calophyllum brasiliense	Pasture w trees	0,9	286	257	26	26	206
SANTA CRUZ	Yapacaní	Viña del Mar		SCZ-ICH-YAP-VIÑ-001-S1-P1	Teca	Tectona grandis	Pasture w trees	1,3	246	307	31	31	246
SANTA CRUZ	Yapacaní	Viña del Mar		SCZ-ICH-YAP-VIÑ-001-S1-P2	Palo maría	Calophyllum brasiliense	Pasture w trees	0,8	286	214	21	21	171
Total								57,5		16.144	1.614	1.614	12.915

*Information included for internal reporting only

Annex 2. Ongoing monitoring results for all participants 2011 - 2017

PV	Department	Municipality	Farmer's name*	Unique sector code	Tree species planted	Rotation	Years to average	Surface planted (Ha)	tCO ₂ e Perennial	tCO ₂ e Grassland	tCO ₂ e Grassland with trees	tCO ₂ e Annual	Total tCO ₂ e	Initial withdrawal (10%) by ArBolivia (tCO ₂ e)	Deducted from ArBolivia withdrawal (tCO ₂ e)	Extra credits	Retained (10%) by ArBolivia (tCO ₂ e)	Buffer Plan Vivo (tCO ₂ e)	Issuance (tCO ₂ e)
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-25M-018-S1-P1	Tapirira guianensis	19	11	0.1	0	0	0	28.2	28.2	2.8	0	0	0	2.8	22.6
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-25M-018-S1-P1	Tectona grandis	25	11	0.9	0	0	0	223	223.0	22.3	0	0	22.3	22.3	178.4
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-25M-0003-S1-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-25M-08-S2-P1	Dipteryx odorata	35	18	0.5	0	0	0	138.5	138.5	13.9	0	0	13.9	13.9	110.8
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-25M-08-S2-P2	Centrolebium tomentosum	24	11	0.5	0	0	0	151.2	151.2	15.1	0	28.7	15.1	15.1	120.9
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-25M-08-S2-P3	Centrolebium tomentosum	24	11	0.5	0	0	0	151.2	151.2	15.1	0	28.7	15.1	15.1	120.9

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- 25M- 004-S1- P1a	Tectona grandis	25	11	0.7	0	0	0	173.4	173.4	17.3	0	0	17.3	17.3	138.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- 25M-19- S1-P1	Dipteryx odorata	35	18	1	0	0	0	277.1	277.1	27.7	0	0	27.7	27.7	221.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- 25M-03- S1-P1	Cedrela fissilis	24	11	0	0	0	0	4.6	4.6	0.5	0	0	0.5	0.5	3.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- 25M-03- S1-P1	Swietenia macrophylla	35	18	0	0	0	0	6.9	6.9	0.7	0	0	0.7	0.7	5.5
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- 25M-03- S1-P1	Tectona grandis	25	11	1.1	0	0	0	260.1	260.1	26	0	0	26	26	208.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- 25M- 029-S1- P1a	Tapirira guianensis	19	11	0.2	0	0	0	45.1	45.1	4.5	0	0	4.5	4.5	36.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- 25M- 029-S1- P1a	Tectona grandis	25	11	0.3	0	0	0	84.2	84.2	8.4	0	0	8.4	8.4	67.4

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- 25M-32- S1-P1	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- 25M-32- S1-P2	Buchena via oxicarpa	35	18	0.5	0	0	0	117	117.0	11.7	0	0	11.7	11.7	93.6
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-BAT- 09-S1- PV2	Calophyll um brasiliens e	23	13	0.5	0	0	0	143.9	143.9	14.4	0	29.3	14.4	14.4	115.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-BAT- 01-S1-P1	Stryphno dendron purpureu m	12	7	0.2	0	0	0	52.6	52.6	5.3	0	0	5.3	5.3	42.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-BAT- 01-S1-P1	Tapirira guianensi s	19	11	0.3	0	0	0	95.9	95.9	9.6	0	0	9.6	9.6	76.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-BAT- 01-S1-P1	Terminali a oblonga	30	15	0.5	0	0	0	105	105.0	10.5	0	0	10.5	10.5	84.0
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-BAT- 01-S2-P2	Dipteryx odorata	35	18	1	0	0	0	277.1	277.1	27.7	0	0	27.7	27.7	221.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-BNT- 51-S1-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-BNT- 017-S4- P3	Stryphno dendron purpureu m	12	7	0.5	0	0	0	118.3	118.3	11.8	0	0	11.8	11.8	94.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-BNT- 017-S4- P3	Tapirira guianensi s	19	11	0.1	0	0	0	14.1	14.1	1.4	0	0	1.4	1.4	11.3
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-COP- 04-S1-P1	Terminali a oblonga	30	15	1	226.2	0	0	0	226.2	22.6	0	0	22.6	22.6	181.0
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-COP- 03-S1-P1	Stryphno dendron purpureu m	12	7	0.1	0	0	0	15.8	15.8	1.6	0	0	1.6	1.6	12.6
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-COP- 03-S1-P1	Terminali a oblonga	30	15	0.9	0	0	0	214.7	214.7	21.5	0	0	21.5	21.5	171.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-CIN- 13-S2-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-CIN- 04-S1- P1a	Tectona grandis	25	11	0.6	0	0	0	148.6	148.6	14.9	0	0	14.9	14.9	118.9
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-CIN- 04-S1- P1Bs	Tectona grandis	25	11	0.1	0	0	0	24.8	24.8	2.5	0	0	2.5	2.5	19.8

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-CLD-00-S1-P1	Tectona grandis	25	11	0.7	0	0	0	173.4	173.4	17.3	0	0	17.3	17.3	138.7
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-CLD-001-S1-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-ESM-18-S1-P1a	Tectona grandis	25	11	0.4	97.7	0	0	0	97.7	9.8	0	0	9.8	9.8	78.2
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-ESM-18-S1-P2a	Tapirira guianensis	19	11	0.4	111	0	0	0	111.0	11.1	0	0	11.1	11.1	88.8
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-EVE-06-S1-P1	Swietenia macrophylla	35	18	0	0	0	0	4.6	4.6	0.5	0	0	0.5	0.5	3.7
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-EVE-06-S1-P1	Tectona grandis	25	11	0.5	0	0	0	118.9	118.9	11.9	0	0	11.9	11.9	95.1
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-EVE-011-S1-P1a	Tectona grandis	25	11	0.4	0	0	0	99.1	99.1	9.9	0	0	9.9	9.9	79.3
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-EVE-011-S1-P2a	Dipteryx odorata	35	18	0.2	0	0	0	61	61.0	6.1	0	0	6.1	6.1	48.8

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-04- S1-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-04- S2-P2	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-46- S1-P1	Centrolo bium tomentos um	24	11	0.1	0	0	0	42.3	42.3	4.2	0	8	4.2	4.2	33.9
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-46- S1-P1	Tectona grandis	25	11	0.9	0	0	0	213.1	213.1	21.3	0	0	21.3	21.3	170.4
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-46- S2-P2	Centrolo bium tomentos um	24	11	0.2	0	0	0	45.4	45.4	4.5	0	8.6	4.5	4.5	36.3
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-46- S2-P2	Dipteryx odorata	35	18	0.9	0	0	0	235.5	235.5	23.6	0	0	23.6	23.6	188.4
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-46- S2-P3	Centrolo bium tomentos um	24	11	0.2	0	0	0	60.5	60.5	6	0	11.5	6	6	48.4

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-02- S1-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-036- S1-P1	Tectona grandis	25	11	1.5	0	0	0	371.6	371.6	37.2	0	0	37.2	37.2	297.3
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-12- S1-P1	Centrol bium tomentos um	24	11	0.2	0	0	0	66.5	66.5	6.7	0	12.6	6.7	6.7	53.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-12- S1-P1	Tectona grandis	25	11	0.8	0	0	0	193.2	193.2	19.3	0	0	19.3	19.3	154.6
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-08- S1-P2	Centrol bium tomentos um	24	11	0	0	0	0	12.1	12.1	1.2	0	2.3	1.2	1.2	9.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-08- S1-P2	Dipteryx odorata	35	18	0.5	0	0	0	127.5	127.5	12.7	0	0	12.7	12.7	102.0

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-08- S1-P3	Tapirira guianensi s	19	11	0.2	0	0	0	47.9	47.9	4.8	0	0	4.8	4.8	38.4
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-08- S1-P3	Tectona grandis	25	11	0.3	0	0	0	81.8	81.8	8.2	0	0	8.2	8.2	65.4
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-8- S1-P1	Calophyll um brasiliens e	23	13	0.5	0	0	0	143.9	143.9	14.4	0	29.3	14.4	14.4	115.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-8- S2-P2	Centrolo bium tomentos um	24	11	0.4	0	0	0	120.9	120.9	12.1	0	23	12.1	12.1	96.8
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-8- S2-P2	Tapirira guianensi s	19	11	0.1	0	0	0	28.2	28.2	2.8	0	0	2.8	2.8	22.6
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-8- S5-P3	Swieteni a macrophy lla	35	18	0	0	0	0	2.3	2.3	0.2	0	0	0.2	0.2	1.8
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-8- S5-P3	Tapirira guianensi s	19	11	0.5	0	0	0	138.2	138.2	13.8	0	0	13.8	13.8	110.5

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-LEM- 7-SL1-PL1	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-LEM- 7-SL2- PL2a	Terminali a amazonia	35	16	0.3	0	0	0	69.6	69.6	7	0	0	7	7	55.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- MAY- 047-S1- P1	Tectona grandis	25	11	3.5	0	0	0	867.1	867.1	86.7	0	0	86.7	86.7	693.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- MAY- 047-S2- P2	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- MAY- 047-S2- P3	Centrola bium tomentos um	24	11	0.4	0	0	0	124	124.0	12.4	0	23.6	12.4	12.4	99.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- MAY- 047-S2- P3	Tectona grandis	25	11	0.1	0	0	0	22.3	22.3	2.2	0	0	2.2	2.2	17.8
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-NPL- 1-S1-P1	Dipteryx odorata	35	18	0.6	0	0	0	166.2	166.2	16.6	0	0	16.6	16.6	133.0

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-NPL- 14-S1-P2	Tectona grandis	25	11	0.5	122.2	0	0	0	122.2	12.2	0	0	12.2	12.2	97.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-NPL- 14-S1-P3	Centrolo bium tomentos um	24	11	0.1	14.9	0	0	0	14.9	1.5	0	2.8	1.5	1.5	12.0
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-NPL- 14-S1-P3	Tapirira guianensi s	19	11	0.4	111	0	0	0	111.0	11.1	0	0	11.1	11.1	88.8
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-NPL- 14-S1-P3	Tectona grandis	25	11	0.1	12.2	0	0	0	12.2	1.2	0	0	1.2	1.2	9.8
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-NPL- 14-S2-P5	Centrolo bium tomentos um	24	11	0	0	0	0	6	6.0	0.6	0	1.1	0.6	0.6	4.8
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-NPL- 14-S2-P5	Dipteryx odorata	35	18	0.8	0	0	0	207.8	207.8	20.8	0	0	20.8	20.8	166.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-NPL- 14-S2-P5	Tapirira guianensi s	19	11	0	0	0	0	8.5	8.5	0.8	0	0	0.8	0.8	6.8
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 30-S1-P1	Tectona grandis	25	11	1	244.3	0	0	0	244.3	24.4	0	0	24.4	24.4	195.5

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 041-S3- P3	Dipteryx odorata	35	18	1	0	0	0	277.1	277.1	27.7	0	0	27.7	27.7	221.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 37-VS1- PV1	Tapirira guianensi s	19	11	0.5	0	0	0	141	141.0	14.1	0	0	14.1	14.1	112.8
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 37-VS2- PV2	Centrola bium tomentos um	24	11	0.5	0	0	0	151.2	151.2	15.1	0	28.7	15.1	15.1	120.9
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 06-S1-P1	Tapirira guianensi s	19	11	0.2	0	0	0	56.4	56.4	5.6	0	0	5.6	5.6	45.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 06-S1-P2	Terminali a oblonga	30	15	0.2	0	0	0	45.7	45.7	4.6	0	0	4.6	4.6	36.5
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 06-S1-P3	Tectona grandis	25	11	0.2	0	0	0	49.5	49.5	5	0	0	5	5	39.6
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 06-S2-P4	Tapirira guianensi s	19	11	0.7	0	0	0	200.2	200.2	20	0	0	20	20	160.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 06-S2-P4	Tectona grandis	25	11	0.3	0	0	0	71.8	71.8	7.2	0	0	7.2	7.2	57.5
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 004-S1- P1a	Tapirira guianensi s	19	11	0.7	0	0	0	183.3	183.3	18.3	0	0	18.3	18.3	146.6

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 004-S1- P1br	Centrolo bium tomentos um	24	11	0.3	0	0	0	75.6	75.6	7.6	0	14.4	7.6	7.6	60.5
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 004-S1- P1br	Tapirira guianensi s	19	11	0.1	0	0	0	28.2	28.2	2.8	0	0	2.8	2.8	22.6
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 022-S1- P1	Tectona grandis	25	11	5	0	0	0	1238.7	1238.7	123.9	0	0	123.9	123.9	990.9
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SBP- 05-S1-P1	Centrolo bium tomentos um	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SID- 25-S1-P1	Tectona grandis	25	11	2	0	0	0	495.5	495.5	49.5	0	0	49.5	49.5	396.4
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SID- 44-S1-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SID- 37-S1-P1	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SID- 37-S1-P2	Tapirira guianensi s	19	11	0.5	0	0	0	141	141.0	14.1	0	0	14.1	14.1	112.8

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SID- 48-S1-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SSR- 02-S1-P1	Dipteryx odorata	35	18	0.5	0	0	0	138.5	138.5	13.9	0	0	13.9	13.9	110.8
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SSR- 02-S1-P2	Centrol bium tomentos um	24	11	0.5	0	0	0	151.2	151.2	15.1	0	28.7	15.1	15.1	120.9
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SSR- 11-S1-P1	Dipteryx odorata	35	18	0.5	0	0	0	138.5	138.5	13.9	0	0	13.9	13.9	110.8
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SSR- 11-S1-P2	Centrol bium tomentos um	24	11	0.5	0	0	0	151.2	151.2	15.1	0	28.7	15.1	15.1	120.9
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SSR- 002-S1- P1a	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SSR- 004-S1- P1	Centrol bium tomentos um	24	11	0.2	0	0	0	54.4	54.4	5.4	0	10.3	5.4	5.4	43.5
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-SSR-	Tectona grandis	25	11	0.8	0	0	0	203.1	203.1	20.3	0	0	20.3	20.3	162.5

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
				004-S1-P1															
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-SSR-004-S2-P2	Dipteryx odorata	35	18	0.3	0	0	0	91.4	91.4	9.1	0	0	9.1	9.1	73.1
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-SSR-004-S2-P2	Stryphnodendron purpureum	12	7	0.2	0	0	0	44.7	44.7	4.5	0	0	4.5	4.5	35.8
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-SSR-001-S2-P2	Calophyllum brasiliense	23	13	0	0	0	0	2.9	2.9	0.3	0	0.6	0.3	0.3	2.3
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-SSR-001-S2-P2	Dipteryx odorata	35	18	0.5	0	0	0	135.8	135.8	13.6	0	0	13.6	13.6	108.6
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-SSR-001-S2-P3	Calophyllum brasiliense	23	13	0.1	0	0	0	28.8	28.8	2.9	0	5.9	2.9	2.9	23.0
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-SSR-001-S2-P3	Centrobium tomentosum	24	11	0.4	0	0	0	120.9	120.9	12.1	0	23	12.1	12.1	96.8
PV1	La Paz	San Buenaventura		LPZ-ITU-SBV-STA-07-S1-P1	Tectona grandis	25	11	2	0	0	0	495.5	495.5	49.5	0	0	49.5	49.5	396.4

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-STA- 07-S2-P2	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-STA- 07-S2-P3	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-STA- 50-S1-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-STA- 067-S1- P1	Dipteryx odorata	35	18	1	0	0	0	277.1	277.1	27.7	0	0	27.7	27.7	221.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-STA- 067-S1- P2	Centrolo bium tomentos um	24	11	0.1	0	0	0	21.2	21.2	2.1	0	4	2.1	2.1	16.9
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-STA- 067-S1- P2	Tapirira guianensi s	19	11	0.4	0	0	0	121.3	121.3	12.1	0	0	12.1	12.1	97.0
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-STA- 065-S1- P1	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-STA- 065-S1- P2r	Tapirira guianensi s	19	11	0	0	0	0	11.3	11.3	1.1	0	0	1.1	1.1	9.0

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-STA- 065-S1- P2r	Tectona grandis	25	11	0.5	0	0	0	114	114.0	11.4	0	0	11.4	11.4	91.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV-STA- 066-S1- P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- TUM-14- S1-P1	Tapirira guianensi s	19	11	0.1	0	0	0	28.2	28.2	2.8	0	0	2.8	2.8	22.6
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- TUM-14- S1-P1	Tectona grandis	25	11	1.4	0	0	0	346.8	346.8	34.7	0	0	34.7	34.7	277.5
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- TUM- 025-S2- P2	Dipteryx odorata	35	18	1	0	0	0	277.1	277.1	27.7	0	0	27.7	27.7	221.7
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- TUM-10- S1-P1	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- TUM-10- S1-P2	Centrolo bium tomentos um	24	11	0.3	0	0	0	75.6	75.6	7.6	0	14.4	7.6	7.6	60.5

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- TUM- 003-S1- P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- TUM-13- S1-P1	Tectona grandis	25	11	0.6	0	0	0	148.6	148.6	14.9	0	0	14.9	14.9	118.9
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- TUM-03- S1-P1a	Calophyll um brasiliens e	23	13	0.2	0	0	0	51.8	51.8	5.2	0	10.5	5.2	5.2	41.4
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- TUM-03- S1-P1a	Dipteryx odorata	35	18	0.1	0	0	0	16.6	16.6	1.7	0	0	1.7	1.7	13.3
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- TUM-03- S1-P1a	Tectona grandis	25	11	0.6	0	0	0	138.7	138.7	13.9	0	0	13.9	13.9	111.0
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- TUM-03- S1-P1Bs	Tapirira guianensi s	19	11	0.2	0	0	0	45.1	45.1	4.5	0	0	4.5	4.5	36.1
PV1	La Paz	San Buenavent ura		LPZ-ITU- SBV- TUM-03- S1-P1Bs	Tectona grandis	25	11	0	0	0	0	9.9	9.9	1	0	0	1	1	7.9

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- 9AG-07- S1-P1	Tapirira guianensi s	19	11	0.7	0	0	0	197.4	197.4	19.7	0	0	19.7	19.7	157.9
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- 9AG-07- SV2-PV2	Centrolo bium tomentos um	24	11	0.9	269	0	0	0	269.0	26.9	0	50.7	26.9	26.9	215.2
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- 9AG-07- SV2-PV3	Dipteryx odorata	35	18	0.9	247.4	0	0	0	247.4	24.7	0	0	24.7	24.7	198.0
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR-AST- 24-S1-P1	Centrolo bium tomentos um	24	11	1.3	373.6	0	0	0	373.6	37.4	0	70.5	37.4	37.4	298.8
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR-AST- 24-S1-P1	Guarea rusby	17	11	0.3	77	0	0	0	77.0	7.7	0	4.7	7.7	7.7	61.6
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR-ALZ- 2-S1-P1	Dipteryx odorata	35	18	1	274.9	0	0	0	274.9	27.5	0	0	27.5	27.5	219.9
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR-ALZ- 2-S2-P2	Dipteryx odorata	35	18	2.9	797.3	0	0	0	797.3	79.7	0	0	79.7	79.7	637.9

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- GVR-56- SV1-PV1	Guarea rusby	17	11	2.2	677.2	0	0	0	677.2	67.7	0	41.6	67.7	67.7	541.8
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- GVR-09- SV1-PV1	Dipteryx odorata	35	18	1.4	384.9	0	0	0	384.9	38.5	0	0	38.5	38.5	307.9
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM- 31V-S1- P1	Centrol bium tomentos um	24	11	1	298.8	0	0	0	298.8	29.9	0	56.4	29.9	29.9	239.1
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-47- S1-P1	Centrol bium tomentos um	24	11	1.8	537.9	0	0	0	537.9	53.8	0	101.5	53.8	53.8	430.3
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-47- S1-P1	Guarea rusby	17	11	1.2	369.4	0	0	0	369.4	36.9	0	22.7	36.9	36.9	295.5
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-72- S2-P2	Centrol bium tomentos um	24	11	1	298.8	0	0	0	298.8	29.9	0	56.4	29.9	29.9	239.1

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-72- SV1-PV1	Centrolo bium tomentos um	24	11	0.9	269	0	0	0	269.0	26.9	0	50.7	26.9	26.9	215.2
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-72- SV3-PV3	Guarea rusby	17	11	0.8	246.3	0	0	0	246.3	24.6	0	15.1	24.6	24.6	197.0
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-46- S1-P1	Dipteryx odorata	35	18	1	274.9	0	0	0	274.9	27.5	0	0	27.5	27.5	219.9
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-40- S1-P1	Centrolo bium tomentos um	24	11	0.4	119.5	0	0	0	119.5	12	0	22.5	12	12	95.6
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-40- SV2-PV2	Dipteryx odorata	35	18	0.9	247.4	0	0	0	247.4	24.7	0	0	24.7	24.7	198.0
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-40- SV3-PV3	Centrolo bium tomentos um	24	11	0.6	179.3	0	0	0	179.3	17.9	0	33.8	17.9	17.9	143.4

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM- 012c-S1- P1	Dipteryx odorata	35	18	2	549.9	0	0	0	549.9	55	0	0	55	55	439.9
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-27- S1-P1	Centrolo bium tomentos um	24	11	0.5	0	0	0	151.2	151.2	15.1	0	28.7	15.1	15.1	120.9
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM- 27V-S1- P1	Centrolo bium tomentos um	24	11	2.6	777	0	0	0	777.0	77.7	0	146.6	77.7	77.7	621.6
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-38- SV1-PV1	Dipteryx odorata	35	18	2.8	769.8	0	0	0	769.8	77	0	0	77	77	615.9
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-58- SV1-PV1a	Centrolo bium tomentos um	24	11	1	298.8	0	0	0	298.8	29.9	0	56.4	29.9	29.9	239.1
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-58-	Centrolo bium tomentos um	24	11	1.8	537.9	0	0	0	537.9	53.8	0	101.5	53.8	53.8	430.3

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
				SV1- PV1b															
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-58- SV1- PV1b	Guarea rusby	17	11	2.2	677.2	0	0	0	677.2	67.7	0	41.6	67.7	67.7	541.8
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-11- S1-P1	Buchena via oxicarpa	35	18	1	231.9	0	0	0	231.9	23.2	0	0	23.2	23.2	185.5
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-11- SV2-PV2	Dipteryx odorata	35	18	0.9	0	0	0	249.4	249.4	24.9	0	0	24.9	24.9	199.5
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VVD-9- SV1-PV1	Buchena via oxicarpa	35	18	0.6	0	0	0	140.4	140.4	14	0	0	14	14	112.3
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VVD-9- SV1-PV1	Dipteryx odorata	35	18	0.4	0	0	0	110.8	110.8	11.1	0	0	11.1	11.1	88.7

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VVD-9- SV2-PV2	Guarea rusby	17	11	1.6	0	0	0	500.3	500.3	50	0	33.8	50	50	400.3
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VVD-13- S1-P1	Centrolo bium tomentos um	24	11	0.7	209.2	0	0	0	209.2	20.9	0	39.5	20.9	20.9	167.4
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VVD-13- S1-P1	Guarea rusby	17	11	0.3	92.3	0	0	0	92.3	9.2	0	5.7	9.2	9.2	73.9
PV2	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VVD-9B- S1-P1	Dipteryx odorata	35	18	2	549.9	0	0	0	549.9	55	0	0	55	55	439.9
PV2	Beni	Reyes		BEN-JBA- REY-RPP- 01-S1-P1	Stryphno dendron purpureu m	12	7	0.5	0	0	0	131.5	131.5	13.1	0	0	13.1	13.1	105.2
PV2	Beni	Reyes		BEN-JBA- REY-RPP- 01-S1-P2	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	Beni	Reyes		BEN-JBA- REY-RPP- 04-S1-P1	Tectona grandis	25	11	2	0	0	0	495.5	495.5	49.5	0	0	49.5	49.5	396.4

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Beni	Reyes		BEN-JBA- REY-RPP- 04-S2-P2	Stryphno dendron purpureu m	12	7	1	259.6	0	0	0	259.6	26	0	0	26	26	207.7
PV2	Beni	Reyes		BEN-JBA- REY-SAJ- 4-S1-P1	Calophyll um brasiliens e	23	13	0.8	0	0	0	215.8	215.8	21.6	0	43.9	21.6	21.6	172.7
PV2	Beni	Reyes		BEN-JBA- REY-SAJ- 4-S1-P1	Terminali a amazonia	35	16	0.3	0	0	0	69.6	69.6	7	0	0	7	7	55.7
PV2	Beni	Reyes		BEN-JBA- REY-SAJ- 3-S1-P1	Calophyll um brasiliens e	23	13	0.8	0	0	0	230.2	230.2	23	0	46.8	23	23	184.2
PV2	Beni	Reyes		BEN-JBA- REY-SAJ- 3-S1-P1	Terminali a amazonia	35	16	0.2	0	0	0	55.7	55.7	5.6	0	0	5.6	5.6	44.6
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- CSD-07- S1-P1	Stryphno dendron purpureu m	12	7	0.5	0	0	0	131.5	131.5	13.1	0	0	13.1	13.1	105.2
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-CLL- 001-S1- P1	Tectona grandis	25	11	2	0	0	0	495.5	495.5	49.5	0	0	49.5	49.5	396.4

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren ial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-CLL- 05-S1-P1	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-CLL- 05-S3-P3	Dipteryx odorata	35	18	0.5	0	0	0	138.5	138.5	13.9	0	0	13.9	13.9	110.8
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-CLL- 41-S1- P1a	Tectona grandis	25	11	0.9	0	0	0	223	223.0	22.3	0	0	22.3	22.3	178.4
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-CLL- 41-S1- P2a	Stryphno dendron purpureu m	12	7	0.4	0	0	0	105.2	105.2	10.5	0	0	10.5	10.5	84.1
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-CLL- 32-S1- P1a	Tectona grandis	25	11	0.8	195.5	0	0	0	195.5	19.5	0	0	19.5	19.5	156.4
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-CLB- 5-VS1- PV1	Calophyll um brasiliens e	23	13	0.5	0	0	0	143.9	143.9	14.4	0	29.3	14.4	14.4	115.1
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-VJI- 2-SL1-PL1	Centrolo bium tomentos um	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- EBA-17- SL1-PL1	Centrolo bium tomentos um	24	11	0.5	0	0	0	151.2	151.2	15.1	0	28.7	15.1	15.1	120.9

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- EBA-17- SL2-PL2	Stryphno dendron purpureu m	12	7	0.5	0	0	0	131.5	131.5	13.1	0	0	13.1	13.1	105.2
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-CEB- 10-S1-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-CEB- 13-S1-P1	Centrol obium tomentos um	24	11	0.1	0	0	0	30.2	30.2	3	0	5.7	3	3	24.2
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-CEB- 13-S1-P1	Tapirira guianensi s	19	11	0.4	0	0	0	112.8	112.8	11.3	0	0	11.3	11.3	90.2
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-CEB- 13-S2-P2	Schizolob ium amazonic um	13	6	0.5	0	0	0	127.2	127.2	12.7	0	2.5	12.7	12.7	101.8
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-LTG- 02-S1-P1	Calophyll um brasiliens e	23	13	0.1	0	0	0	23	23.0	2.3	0	4.7	2.3	2.3	18.4
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-LTG- 02-S1-P1	Stryphno dendron purpureu m	12	7	0.4	0	0	0	110.4	110.4	11	0	0	11	11	88.4
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-LTG- 03-S1-P2	Stryphno dendron purpureu m	12	7	0.5	0	0	0	131.5	131.5	13.1	0	0	13.1	13.1	105.2

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-LTG- 03-S4-P3	Stryphno dendron purpureu m	12	7	0.5	0	0	0	126.2	126.2	12.6	0	0	12.6	12.6	101.0
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-LTG- 03-S4-P3	Tapirira guianensi s	19	11	0	0	0	0	5.6	5.6	0.6	0	0	0.6	0.6	4.5
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- NEZ-01- S1-P1a	Tectona grandis	25	11	0.3	0	0	0	69.4	69.4	6.9	0	0	6.9	6.9	55.5
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- NEZ-01- S1-P1b	Tectona grandis	25	11	0	0	0	0	9.9	9.9	1	0	0	1	1	7.9
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- NEZ-03- S1-PV1	Calophyll um brasiliens e	23	13	0.5	142.1	0	0	0	142.1	14.2	0	28.7	14.2	14.2	113.7
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- NEZ-03- S1-PV2	Calophyll um brasiliens e	23	13	0	5.7	0	0	0	5.7	0.6	0	1.1	0.6	0.6	4.5
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- NEZ-03- S1-PV2	Terminali a amazonia	35	16	0.5	132.6	0	0	0	132.6	13.3	0	0	13.3	13.3	106.1
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-	Calophyll um	23	13	0	5.7	0	0	0	5.7	0.6	0	1.1	0.6	0.6	4.5

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
				NEZ-02- S1A-P2A	brasiliens e														
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- NEZ-02- S1A-P2A	Terminali a amazonia	35	16	0.4	105	0	0	0	105.0	10.5	0	0	10.5	10.5	84.0
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- NEZ-02- S1Bs- P2Bs	Terminali a amazonia	35	16	0.1	27.6	0	0	0	27.6	2.8	0	0	2.8	2.8	22.1
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- NEZ-02- S2-P1	Calophyll um brasiliens e	23	13	0.5	142.1	0	0	0	142.1	14.2	0	28.7	14.2	14.2	113.7
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- NEZ-05- S1-P1	Dipteryx odorata	35	18	1	0	0	0	277.1	277.1	27.7	0	0	27.7	27.7	221.7
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- NHS-31- S1-P1a	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- NHS-26- S1-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
				NHS-26- S1-P2															
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-006- S1-P1a	Stryphno dendron purpureu m	12	7	0.6	150.6	0	0	0	150.6	15.1	0	0	15.1	15.1	120.4
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-006- S1-P1a	Swietenia macrophylla	35	18	0	2.3	0	0	0	2.3	0.2	0	0	0.2	0.2	1.8
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-006- S1-P1a	Virola flexuosa	25	13	0	2	0	0	0	2.0	0.2	0	0	0.2	0.2	1.6
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-07- S1-P1	Stryphno dendron purpureu m	12	7	0.6	0	0	0	157.8	157.8	15.8	0	0	15.8	15.8	126.2
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-0001-S1- P1	Stryphno dendron purpureu m	12	7	0.4	0	104.4	0	0	104.4	10.4	0	0	10.4	10.4	83.5
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-01- S1-P1	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-	Terminalia amazonia	35	16	1	0	0	0	278.5	278.5	27.8	0	0	27.8	27.8	222.8

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
				RUP-002-S1-P1															
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-10- S1-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-016- S1-P1	Calophyll um brasiliens e	23	13	0.4	0	0	0	106.5	106.5	10.6	0	21.7	10.6	10.6	85.2
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-016- S1-P1	Dipteryx odorata	35	18	1.1	0	0	0	313.1	313.1	31.3	0	0	31.3	31.3	250.5
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-016- S1-P2	Calophyll um brasiliens e	23	13	0.5	0	0	0	143.9	143.9	14.4	0	29.3	14.4	14.4	115.1
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-02- S1-P1	Centrol bium tomentos um	24	11	0.1	0	0	0	33.3	33.3	3.3	0	6.3	3.3	3.3	26.6
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-02- S1-P1	Tapirira guianensi s	19	11	0.9	0	0	0	251	251.0	25.1	0	0	25.1	25.1	200.8
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ-	Stryphno dendron	12	7	0.4	0	0	0	115.7	115.7	11.6	0	0	11.6	11.6	92.6

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
				RUP-02-S1-P2	purpureu m														
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-02- S1-P2	Tapirira guianensi s	19	11	0.1	0	0	0	16.9	16.9	1.7	0	0	1.7	1.7	13.5
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-06- S1-P1	Dipteryx odorata	35	18	0.5	0	0	0	138.5	138.5	13.9	0	0	13.9	13.9	110.8
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-06- S1-P2	Dipteryx odorata	35	18	0.1	0	0	0	27.7	27.7	2.8	0	0	2.8	2.8	22.2
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-06- S1-P2	Stryphno dendron purpureu m	12	7	0.4	0	0	0	105.2	105.2	10.5	0	0	10.5	10.5	84.1
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- SBD-12- S1-P2	Hymenae a courbaril	35	18	0.4	0	0	0	94.5	94.5	9.4	0	0	9.4	9.4	75.6
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- SBD-12- S1-P2	Stryphno dendron purpureu m	12	7	0.1	0	0	0	26.3	26.3	2.6	0	0	2.6	2.6	21.0
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- SBD-12- S2-P3	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- SBD-12- S2-P4	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- SML-08- S1-P1	Terminali a oblonga	30	15	0.5	0	0	0	114.2	114.2	11.4	0	0	11.4	11.4	91.3
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- SML-08- S2-P2a	Tectona grandis	25	11	0.4	97.7	0	0	0	97.7	9.8	0	0	9.8	9.8	78.2
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- TCN-41- SL1-PL1	Hymenae a courbaril	35	18	0.5	0	0	0	118.1	118.1	11.8	0	0	11.8	11.8	94.5
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- TCN-036- SL1-PL1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- UNC-21- S1-P2	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- VCM-18- S1-P1b	Stryphno dendron purpureu m	12	7	0.2	0	0	0	63.1	63.1	6.3	0	0	6.3	6.3	50.5

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- VCM-18- S1-P2a	Stryphno dendron purpureu m	12	7	0.1	0	0	0	13.1	13.1	1.3	0	0	1.3	1.3	10.5
PV2	Beni	Rurrenaba que		BEN-JBA- RBQ- VCM-18- S1-P2a	Tapirira guianensi s	19	11	0.4	0	0	0	112.8	112.8	11.3	0	0	11.3	11.3	90.2
PV2	Beni	San Borja		BEN-JBA- SBJ-BOR- 02-S1-P1	Dipteryx odorata	35	18	0.5	0	0	0	138.5	138.5	13.9	0	0	13.9	13.9	110.8
PV2	Beni	San Borja		BEN-JBA- SBJ-BOR- 02-S1-P2	Calophyll um brasiliens e	23	13	0.5	0	0	0	143.9	143.9	14.4	0	29.3	14.4	14.4	115.1
PV2	Beni	San Borja		BEN-JBA- SBJ-EPR- 042-S1- P1	Calophyll um brasiliens e	23	13	0	0	0	0	8.6	8.6	0.9	0	1.8	0.9	0.9	6.9
PV2	Beni	San Borja		BEN-JBA- SBJ-EPR- 042-S1- P1	Stryphno dendron purpureu m	12	7	0.5	0	0	0	123.6	123.6	12.4	0	0	12.4	12.4	98.9
PV2	Beni	San Borja		BEN-JBA- SBJ-EPR- 041-S1- P1a	Dipteryx odorata	35	18	0.8	0	0	0	221.7	221.7	22.2	0	0	22.2	22.2	177.3
PV2	Beni	San Borja		BEN-JBA- SBJ-EMB-	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Grasslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
				033-S1- P1															
PV2	Beni	San Borja		BEN-JBA- SBJ-INC- 001-SL1- PL1	Calophyll um brasiliens e	23	13	0.1	0	0	0	20.1	20.1	2	0	4.1	2	2	16.1
PV2	Beni	San Borja		BEN-JBA- SBJ-INC- 001-SL1- PL1	Tectona grandis	25	11	0.9	0	0	0	230.4	230.4	23	0	0	23	23	184.3
PV2	Beni	San Borja		BEN-JBA- SBJ-INC- 012-SL1- PL1	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	Beni	San Borja		BEN-JBA- SBJ-INC- 014-SL2- PL2	Dipteryx odorata	35	18	0.5	0	0	0	124.7	124.7	12.5	0	0	12.5	12.5	99.7
PV2	Beni	San Borja		BEN-JBA- SBJ-INC- 014-SL2- PL2	Terminali a amazonia	35	16	0.1	0	0	0	13.9	13.9	1.4	0	0	1.4	1.4	11.1
PV2	Beni	San Borja		BEN-JBA- SBJ-MAC- 11-SL1- PL1	Stryphno dendron purpureu m	12	7	0.1	0	0	0	26.3	26.3	2.6	0	0	2.6	2.6	21.0
PV2	Beni	San Borja		BEN-JBA- SBJ-MAC- 11-SL1- PL1	Tectona grandis	25	11	0.4	0	0	0	99.1	99.1	9.9	0	0	9.9	9.9	79.3

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Beni	San Borja		BEN-JBA-SBJ-BJP-34-S1-P1	Dipteryx odorata	35	18	0.1	24.7	0	0	0	24.7	2.5	0	0	2.5	2.5	19.8
PV2	Beni	San Borja		BEN-JBA-SBJ-BJP-34-S1-P1	Stryphnodendron purpureum	12	7	0.4	106.4	0	0	0	106.4	10.6	0	0	10.6	10.6	85.1
PV2	Beni	San Borja		BEN-JBA-SBJ-BJP-34-S2-P3	Terminalia amazonia	35	16	1	0	0	0	278.5	278.5	27.8	0	0	27.8	27.8	222.8
PV2	Beni	San Borja		BEN-JBA-SBJ-BJP-34-S3-P2	Calophyllum brasiliense	23	13	0.3	85.3	0	0	0	85.3	8.5	0	17.2	8.5	8.5	68.2
PV2	Beni	San Borja		BEN-JBA-SBJ-BJP-34-S3-P2	Terminalia amazonia	35	16	0.2	55.3	0	0	0	55.3	5.5	0	0	5.5	5.5	44.2
PV2	Beni	San Borja		BEN-JBA-SBJ-SJU-014-S1-P1	Dipteryx odorata	35	18	0.5	0	0	0	138.5	138.5	13.9	0	0	13.9	13.9	110.8
PV2	Beni	San Borja		BEN-JBA-SBJ-SJU-027-S2-P3	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	Beni	San Borja		BEN-JBA-SBJ-SJU-027-S2-P4	Dipteryx odorata	35	18	0.5	0	0	0	138.5	138.5	13.9	0	0	13.9	13.9	110.8

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Beni	San Borja		BEN-JBA-SBJ-VBJ-013-S1-P1	Calophyllum brasiliense	23	13	0.1	0	0	0	28.8	28.8	2.9	0	5.9	2.9	2.9	23.0
PV2	Beni	San Borja		BEN-JBA-SBJ-VBJ-013-S1-P1	Tectona grandis	25	11	0.9	0	0	0	223	223.0	22.3	0	0	22.3	22.3	178.4
PV2	Beni	San Borja		BEN-JBA-SBJ-VBJ-010-VS3-PV1	Calophyllum brasiliense	23	13	1	0	0	0	287.8	287.8	28.8	0	58.5	28.8	28.8	230.2
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-29-S1-P1	Swietenia macrophylla	35	18	0.1	0	0	0	11.5	11.5	1.2	0	0	1.2	1.2	9.2
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-29-S1-P1	Terminalia amazonia	35	16	0.5	0	0	0	125.3	125.3	12.5	0	0	12.5	12.5	100.3
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-29-S1-P3	Calophyllum brasiliense	23	13	0.2	0	0	0	57.6	57.6	5.8	0	11.7	5.8	5.8	46.0
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-29-S1-P3	Tectona grandis	25	11	0.8	0	0	0	198.2	198.2	19.8	0	0	19.8	19.8	158.5
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-012-S1-P1	Calophyllum brasiliense	23	13	0.5	0	0	142.9	0	142.9	14.3	0	28.9	14.3	14.3	114.3

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrewa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-012-S1-P2	Calophyllum brasiliense	23	13	0.5	0	0	142.9	0	142.9	14.3	0	28.9	14.3	14.3	114.3
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-002-S1-P1	Calophyllum brasiliense	23	13	0.2	0	0	54.3	0	54.3	5.4	0	11	5.4	5.4	43.4
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-002-S1-P1	Terminalia amazonia	35	16	0.6	0	0	155.2	0	155.2	15.5	0	0	15.5	15.5	124.2
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-020-S1-P1	Calophyllum brasiliense	23	13	0.6	0	171.4	0	0	171.4	17.1	0	34.7	17.1	17.1	137.1
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-031-S1-P1	Centrolebium tomentosum	24	11	0.5	149.4	0	0	0	149.4	14.9	0	28.2	14.9	14.9	119.5
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-031-S1-P2a	Tectona grandis	25	11	0.5	122.2	0	0	0	122.2	12.2	0	0	12.2	12.2	97.7
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-031-S1-P3	Centrolebium tomentosum	24	11	0.5	149.4	0	0	0	149.4	14.9	0	28.2	14.9	14.9	119.5
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
				032-S1-P1															
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-032-S1-P2	Centrolobium tomentosum	24	11	0.5	0	0	0	136.1	136.1	13.6	0	25.9	13.6	13.6	108.9
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-032-S1-P2	Tapirira guianensis	19	11	0.1	0	0	0	14.1	14.1	1.4	0	0	1.4	1.4	11.3
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-009-S1-P1	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-009-S1-P2	Terminalia oblonga	30	15	0.5	0	0	0	114.2	114.2	11.4	0	0	11.4	11.4	91.3
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-06-S1-P2	Calophyllum brasiliense	23	13	0	0	0	0	8.6	8.6	0.9	0	1.8	0.9	0.9	6.9
PV2	Beni	San Borja		BEN-JBA-SBJ-IMP-06-S1-P2	Tectona grandis	25	11	0.7	0	0	0	178.4	178.4	17.8	0	0	17.8	17.8	142.7
PV2	Beni	San Borja		BEN-JBA-SBJ-YAC-008-S1-P1a	Tectona grandis	25	11	0.2	0	0	0	39.6	39.6	4	0	0	4	4	31.7

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Beni	San Borja		BEN-JBA-SBJ-YAC-008-S1-P1b	Tectona grandis	25	11	0.1	0	0	0	19.8	19.8	2	0	0	2	2	15.9
PV2	Beni	San Borja		BEN-JBA-SBJ-YAC-008-S2-P2a	Terminalia oblonga	30	15	0.4	0	0	0	100.5	100.5	10	0	0	10	10	80.4
PV2	Beni	San Borja		BEN-JBA-SBJ-YAC-008-S4-P4	Tapirira guianensis	19	11	0.5	0	0	0	141	141.0	14.1	0	0	14.1	14.1	112.8
PV2	Beni	San Borja		BEN-JBA-SBJ-YAC-18-S1-P1	Tapirira guianensis	19	11	0.5	0	0	0	141	141.0	14.1	0	0	14.1	14.1	112.8
PV2	Beni	San Borja		BEN-JBA-SBJ-YAC-18-S1-P1	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	Beni	San Borja		BEN-JBA-SBJ-YAC-010-S5-P4a	Terminalia amazonia	35	16	0.9	248.7	0	0	0	248.7	24.9	0	0	24.9	24.9	199.0
PV2	Beni	San Borja		BEN-JBA-SBJ-YAC-05-S1-P1	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	Beni	San Borja		BEN-JBA-SBJ-YAC-A1-S1-P1	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	Beni	San Borja		BEN-JBA-SBJ-YAC-A1-S2-P2	Tapirira guianensis	19	11	0	0	0	0	5.6	5.6	0.6	0	0	0.6	0.6	4.5

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	Beni	San Borja		BEN-JBA-SBJ-YAC-A1-S2-P2	Virola flexuosa	25	13	0.5	0	0	0	97.4	97.4	9.7	0	0	9.7	9.7	77.9
PV2	Beni	San Borja		BEN-JBA-SBJ-YAC-06-S1-P1	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	Beni	San Borja		BEN-JBA-SBJ-YAC-06-S1-P2	Terminalia oblonga	30	15	0.5	0	0	0	114.2	114.2	11.4	0	0	11.4	11.4	91.3
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-HUR-003-S1-P1a	Tectona grandis	25	11	0.5	0	0	0	123.9	123.9	12.4	0	0	12.4	12.4	99.1
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-NPL-14-S3-P4	Centrolebium tomentosum	24	11	1.2	0	0	0	362.8	362.8	36.3	0	69	36.3	36.3	290.3
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-SBP-041-S1-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-SBP-001-S1-P1	Centrolebium tomentosum	24	11	0.5	0	0	0	151.2	151.2	15.1	0	28.7	15.1	15.1	120.9
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-SBP-001-S3-P3	Centrolebium tomentosum	24	11	0.5	0	0	0	151.2	151.2	15.1	0	28.7	15.1	15.1	120.9

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-SBP-37-S4-P3	Tapirira guianensis	19	11	0.5	0	0	0	141	141.0	14.1	0	0	14.1	14.1	112.8
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-SBP-022-S3-P2a	Centrolobium tomentosum	24	11	0.8	0	0	0	241.9	241.9	24.2	0	46	24.2	24.2	193.5
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-SID-37-S2-P3	Dipteryx odorata	35	18	0.9	0	0	0	249.4	249.4	24.9	0	0	24.9	24.9	199.5
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-SID-37-S2-P3	Tapirira guianensis	19	11	0.1	0	0	0	28.2	28.2	2.8	0	0	2.8	2.8	22.6
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-SSR-001-S1-P1a	Centrolobium tomentosum	24	11	0.2	71.7	0	0	0	71.7	7.2	0	13.5	7.2	7.2	57.4
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-SSR-001-S1-P1a	Tectona grandis	25	11	0.4	88	0	0	0	88.0	8.8	0	0	8.8	8.8	70.4
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-TUM-002-S1-P1	Centrolobium tomentosum	24	11	0.1	0	0	0	21.2	21.2	2.1	0	4	2.1	2.1	16.9
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-TUM-	Tectona grandis	25	11	1.9	0	0	0	478.1	478.1	47.8	0	0	47.8	47.8	382.5

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
				002-S1-P1															
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-TUM-025-S1-P1	Calophyllum brasiliense	23	13	0.1	0	0	0	28.8	28.8	2.9	0	5.9	2.9	2.9	23.0
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-TUM-025-S1-P1	Tectona grandis	25	11	0.9	0	0	0	223	223.0	22.3	0	0	22.3	22.3	178.4
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-TUM-005-S1-P1a	Swietenia macrophylla	35	18	0	0	0	0	4.6	4.6	0.5	0	0	0.5	0.5	3.7
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-TUM-005-S1-P1a	Tectona grandis	25	11	0.7	0	0	0	168.5	168.5	16.8	0	0	16.8	16.8	134.8
PV2	La Paz	San Buenaventura		LPZ-ITU-SBV-TUM-18-S1-P1	Tectona grandis	25	11	1	0	0	0	247.7	247.7	24.8	0	0	24.8	24.8	198.2
PV3	Cochabamba	Chimoré		CBA-CRO-CHR-LRL-	Centrolobium tomentosum	24	11	0.1	0	0	0	21.2	21.2	2.1	0	4	2.1	2.1	16.9

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
				031-S1- P1															
PV3	Cochabam ba	Chimoré		CBA- CRO- CHR-LRL- 031-S1- P1	Guarea rusby	17	11	0.5	0	0	0	165.7	165.7	16.6	0	11.2	16.6	16.6	132.6
PV3	Cochabam ba	Chimoré		CBA- CRO- CHR-LRL- 031-S2- P2	Centrolo bium tomentos um	24	11	0	0	0	0	6	6.0	0.6	0	1.1	0.6	0.6	4.8
PV3	Cochabam ba	Chimoré		CBA- CRO- CHR-LRL- 031-S2- P2	Guarea rusby	17	11	0.4	0	0	0	118.8	118.8	11.9	0	8	11.9	11.9	95.1
PV3	Cochabam ba	Chimoré		CBA- CRO- CHR-LRL- 031-S3- P3	Guarea rusby	17	11	0.3	0	0	0	93.8	93.8	9.4	0	6.3	9.4	9.4	75.1
PV3	Cochabam ba	Chimoré		CBA- CRO- CHR-LRL- 031-S4- P4	Guarea rusby	17	11	0.2	0	62	0	0	62.0	6.2	0	4	6.2	6.2	49.6
PV3	Cochabam ba	Chimoré		CBA- CRO- CHR-	Centrolo bium	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
				SDA-54-S1-P1	tomentosum														
PV3	Cochabamba	Chimoré		CBA-CRO-CHR-SDA-54-S2-P2	Dipteryx odorata	35	18	1	0	0	0	277.1	277.1	27.7	0	0	27.7	27.7	221.7
PV3	Cochabamba	Chimoré		CBA-CRO-CHR-SDA-54-S3-P3	Centrolebium tomentosum	24	11	0.1	0	0	0	30.2	30.2	3	0	5.7	3	3	24.2
PV3	Cochabamba	Chimoré		CBA-CRO-CHR-SDA-54-S3-P3	Tapirira guianensis	19	11	2.9	0	0	0	817.8	817.8	81.8	0	0	81.8	81.8	654.2
PV3	Cochabamba	Chimoré		CBA-CRO-CHR-SDC-18;19-S1-P1	Tapirira guianensis	19	11	1	277.6	0	0	0	277.6	27.8	0	0	27.8	27.8	222.1
PV3	Cochabamba	Chimoré		CBA-CRO-CHR-SD3-48-S1-P1	Centrolebium tomentosum	24	11	4	1195.4	0	0	0	1195.4	119.5	0	225.5	119.5	119.5	956.3
PV3	Cochabamba	Chimoré		CBA-CRO-	Centrolebium	24	11	1	298.8	0	0	0	298.8	29.9	0	56.4	29.9	29.9	239.1

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
				CHR-SD3-48-S2-P2	tomentosum														
PV3	Cochabamba	Chimoré		CBA-CRO-CHR-SD3-42-S1-P1	Calophyllum brasiliense	23	13	0.2	56.9	0	0	0	56.9	5.7	0	11.5	5.7	5.7	45.5
PV3	Cochabamba	Chimoré		CBA-CRO-CHR-SD3-42-S1-P1	Centrolobium tomentosum	24	11	0.8	239.1	0	0	0	239.1	23.9	0	45.1	23.9	23.9	191.3
PV3	Cochabamba	Chimoré		CBA-CRO-CHR-SD3-42-S2-P1	Calophyllum brasiliense	23	13	0.1	28.4	0	0	0	28.4	2.8	0	5.7	2.8	2.8	22.7
PV3	Cochabamba	Chimoré		CBA-CRO-CHR-SD3-42-S2-P1	Centrolobium tomentosum	24	11	0.6	179.3	0	0	0	179.3	17.9	0	33.8	17.9	17.9	143.4
PV3	Cochabamba	Chimoré		CBA-CRO-CHR-SD3-42-S3-P3	Centrolobium tomentosum	24	11	0.3	89.7	0	0	0	89.7	9	0	16.9	9	9	71.7
PV3	Cochabamba	Chimoré		CBA-CRO-CHR-SD3-42-S4-P4	Calophyllum brasiliense	23	13	0.4	119.4	0	0	0	119.4	11.9	0	24.1	11.9	11.9	95.5
PV3	Cochabamba	Chimoré		CBA-CRO-	Guarea rusby	17	11	0.1	24.6	0	0	0	24.6	2.5	0	1.5	2.5	2.5	19.7

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
				CHR-SD3-42-S4-P4															
PV3	Cochabam ba	Chimoré		CBA-CRO-CHR-SD3-42-S5-P5	Calophyll um brasiliens e	23	13	0.5	0	128.6	0	0	128.6	12.9	0	26.1	12.9	12.9	102.9
PV3	Cochabam ba	Chimoré		CBA-CRO-CHR-SD3-42-S5-P5	Guarea rusby	17	11	0.1	0	15.5	0	0	15.5	1.5	0	1	1.5	1.5	12.4
PV3	Cochabam ba	Puerto Villarroel		CBA-CRO-PVR-14S-005-S1-P1	Centrolo bium tomentos um	24	11	0.3	89.7	0	0	0	89.7	9	0	16.9	9	9	71.7
PV3	Cochabam ba	Puerto Villarroel		CBA-CRO-PVR-14S-005-S1-P1	Guarea rusby	17	11	0.7	215.5	0	0	0	215.5	21.5	0	13.2	21.5	21.5	172.4
PV3	Cochabam ba	Puerto Villarroel		CBA-CRO-PVR-GVR-05-S1-P1	Centrolo bium tomentos um	24	11	1	298.8	0	0	0	298.8	29.9	0	56.4	29.9	29.9	239.1
PV3	Cochabam ba	Puerto Villarroel		CBA-CRO-PVR-	Schizolob ium amazonic um	13	6	1	0	0	0	254.5	254.5	25.4	0	5	25.4	25.4	203.6

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
				GVR-01- S1-P1															
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- GVR-001- S3-P3	Schizolob ium amazonic um	13	6	0.3	74.5	0	0	0	74.5	7.4	0	0.5	7.4	7.4	59.6
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- GVR-001- S4-P4	Schizolob ium amazonic um	13	6	0.5	124.1	0	0	0	124.1	12.4	0	0.8	12.4	12.4	99.3
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- GVR-001- S5s-P5r	Schizolob ium amazonic um	13	6	0.2	0	0	0	50.9	50.9	5.1	0	1	5.1	5.1	40.7
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- GVR-47- S3-P3	Centrolo bium tomentos um	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- GVR-103- S1-P1	Centrolo bium tomentos um	24	11	1	298.8	0	0	0	298.8	29.9	0	56.4	29.9	29.9	239.1
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO-	Centrolo bium	24	11	0.3	74.7	0	0	0	74.7	7.5	0	14.1	7.5	7.5	59.8

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
				PVR- MAL- 001-S1- P1	tomentos um														
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- MAL- 001-S1- P1	Tapirira guianensi s	19	11	1.1	291.5	0	0	0	291.5	29.1	0	0	29.1	29.1	233.2
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR-SLO- 10-S1-P1	Schizolob ium amazonic um	13	6	1	248.2	0	0	0	248.2	24.8	0	1.7	24.8	24.8	198.6
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-10- S1-P1	Guarea rusby	17	11	0.4	123.1	0	0	0	123.1	12.3	0	7.6	12.3	12.3	98.5
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-10- S1-P1	Schizolob ium amazonic um	13	6	0.6	148.9	0	0	0	148.9	14.9	0	1	14.9	14.9	119.1
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-27- S4-P4	Schizolob ium amazonic um	13	6	1.3	0	0	0	330.8	330.8	33.1	0	6.5	33.1	33.1	264.7

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-27- S5-P5	Guarea rusby	17	11	0.1	0	0	0	40.7	40.7	4.1	0	2.7	4.1	4.1	32.5
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-27- S5-P5	Schizolob ium amazonic um	13	6	0.4	0	0	0	94.2	94.2	9.4	0	1.8	9.4	9.4	75.3
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-27- S6s-P6r	Guarea rusby	17	11	0.2	0	0	0	62.5	62.5	6.3	0	4.2	6.3	6.3	50.0
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-27- S7-P7	Guarea rusby	17	11	0.4	0	0	0	109.4	109.4	10.9	0	7.4	10.9	10.9	87.6
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-27- S7-P7	Schizolob ium amazonic um	13	6	0.7	0	0	0	165.4	165.4	16.5	0	3.2	16.5	16.5	132.3
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-38- S3-P3	Guarea rusby	17	11	0	0	0	0	6.3	6.3	0.6	0	0.4	0.6	0.6	5.0

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrewa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV3	Cochabam ba	Puerto Villaruel		CBA- CRO- PVR- VHM-38- S3-P3	Schizolob ium amazonic um	13	6	0.1	0	0	0	20.4	20.4	2	0	0.4	2	2	16.3
PV3	Cochabam ba	Puerto Villaruel		CBA- CRO- PVR- VHM-38- S4-P4	Guarea rusby	17	11	0.1	33.9	0	0	0	33.9	3.4	0	2.1	3.4	3.4	27.1
PV3	Cochabam ba	Puerto Villaruel		CBA- CRO- PVR- VHM-38- S4-P4	Schizolob ium amazonic um	13	6	0.8	196.1	0	0	0	196.1	19.6	0	1.3	19.6	19.6	156.9
PV3	Cochabam ba	Puerto Villaruel		CBA- CRO- PVR- VHM-38- S5-P5	Guarea rusby	17	11	0.2	55.4	0	0	0	55.4	5.5	0	3.4	5.5	5.5	44.3
PV3	Cochabam ba	Puerto Villaruel		CBA- CRO- PVR- VHM-38- S5-P5	Schizolob ium amazonic um	13	6	0.4	104.2	0	0	0	104.2	10.4	0	0.7	10.4	10.4	83.4
PV3	Cochabam ba	Puerto Villaruel		CBA- CRO- PVR- VHM-11- S5-P5	Centrolo bium tomentos um	24	11	0	0	0	0	6	6.0	0.6	0	1.1	0.6	0.6	4.8

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VHM-11- S5-P5	Schizolob ium amazonic um	13	6	0.4	0	0	0	96.7	96.7	9.7	0	1.9	9.7	9.7	77.4
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR-VIZ- 15-S4-P1	Centrolo bium tomentos um	24	11	1	298.8	0	0	0	298.8	29.9	0	56.4	29.9	29.9	239.1
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR-VIZ- 80-S1-P1	Centrolo bium tomentos um	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9
PV3	Cochabam ba	Puerto Villarroel		CBA- CRO- PVR- VVD-042- S1-P1	Centrolo bium tomentos um	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9
PV3	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-11- S1-P1	Calophyll um brasiliens e	23	13	0.1	0	0	0	25.9	25.9	2.6	0	5.3	2.6	2.6	20.7
PV3	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-11- S1-P1	Centrolo bium tomentos um	24	11	0.2	0	0	0	48.4	48.4	4.8	0	9.2	4.8	4.8	38.7
PV3	Beni	Rurrenaba que		BEN-JBA- RBQ- RUP-11- S1-P1	Tectona grandis	25	11	0.3	0	0	0	61.9	61.9	6.2	0	0	6.2	6.2	49.5

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV3	Beni	San Borja		BEN-JBA-SBJ-CES-11-S1-P1	Centrolobium tomentosum	24	11	0.2	59.8	0	0	0	59.8	6	0	11.3	6	6	47.8
PV3	Beni	San Borja		BEN-JBA-SBJ-CES-11-S1-P1	Dipteryx odorata	35	18	0.3	82.5	0	0	0	82.5	8.2	0	0	8.2	8.2	66.0
PV3	Beni	San Borja		BEN-JBA-SBJ-IMP-026-S1-P1	Centrolobium tomentosum	24	11	0.1	0	0	0	30.2	30.2	3	0	5.7	3	3	24.2
PV3	Beni	San Borja		BEN-JBA-SBJ-IMP-026-S1-P1	Stryphnodendron purpureum	12	7	0.4	0	0	0	105.2	105.2	10.5	0	0	10.5	10.5	84.1
PV3	La Paz	San Buenaventura		LPZ-ITU-SBV-25M-038-S1-P1	Centrolobium tomentosum	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9
PV3	La Paz	San Buenaventura		LPZ-ITU-SBV-BOH-022-S1-P1	Centrolobium tomentosum	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9
PV3	La Paz	San Buenaventura		LPZ-ITU-SBV-EDR-1-S1-P1	Centrolobium tomentosum	24	11	2	0	0	0	604.7	604.7	60.5	0	114.9	60.5	60.5	483.8

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV3	La Paz	San Buenavent ura		LPZ-ITU- SBV-EDR- 1-S1-P2	Centrolo bium tomentos um	24	11	2	0	0	0	604.7	604.7	60.5	0	114.9	60.5	60.5	483.8
PV3	La Paz	San Buenavent ura		LPZ-ITU- SBV- HUR-10- S1-P1	Stryphno dendron purpureu m	12	7	0.7	0	0	0	184.1	184.1	18.4	0	0	18.4	18.4	147.3
PV3	La Paz	San Buenavent ura		LPZ-ITU- SBV-LEM- 7-S4-P1	Calophyll um brasiliens e	23	13	0.2	42.6	0	0	0	42.6	4.3	0	8.6	4.3	4.3	34.1
PV3	La Paz	San Buenavent ura		LPZ-ITU- SBV-LEM- 7-S4-P1	Stryphno dendron purpureu m	12	7	0.5	116.8	0	0	0	116.8	11.7	0	0	11.7	11.7	93.4
PV3	La Paz	San Buenavent ura		LPZ-ITU- SBV-SID- 33-S8-P1	Centrolo bium tomentos um	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9
PV3	La Paz	San Buenavent ura		LPZ-ITU- SBV-SSR- 1-S1-P1	Centrolo bium tomentos um	24	11	0.4	107.6	0	0	0	107.6	10.8	0	20.3	10.8	10.8	86.1
PV3	La Paz	San Buenavent ura		LPZ-ITU- SBV-SSR- 1-S1-P1	Stryphno dendron purpureu m	12	7	0.1	36.3	0	0	0	36.3	3.6	0	0	3.6	3.6	29.1

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffer Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV3	La Paz	San Buenaventura		LPZ-ITU-SBV-TUM-04-S2-P1	Centrolobium tomentosum	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9
PV3	La Paz	San Buenaventura		LPZ-ITU-SBV-TUM-002-S4-P2	Centrolobium tomentosum	24	11	0.6	0	0	0	181.4	181.4	18.1	0	34.5	18.1	18.1	145.1
PV3	La Paz	San Buenaventura		LPZ-ITU-SBV-TUM-48-VS4-PV1	Centrolobium tomentosum	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9
PV3	La Paz	San Buenaventura		LPZ-ITU-SBV-TUM-19-S5-P2	Centrolobium tomentosum	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9
PV3	La Paz	San Buenaventura		LPZ-ITU-SBV-TUM-50-S2-P2	Centrolobium tomentosum	24	11	0.5	0	0	0	151.2	151.2	15.1	0	28.7	15.1	15.1	120.9
PV3	Cochabamba	Shinahota		CBA-TIR-SHI-BOL-016-S1-P1	Calophyllum brasiliense	23	13	0.2	42.6	0	0	0	42.6	4.3	0	8.6	4.3	4.3	34.1
PV3	Cochabamba	Shinahota		CBA-TIR-SHI-BOL-016-S1-P1	Centrolobium tomentosum	24	11	0.1	29.9	0	0	0	29.9	3	0	5.6	3	3	23.9

PV	Department	Municipality	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO ₂ e Perennial	tCO ₂ e Grassland	tCO ₂ e Grassland with trees	tCO ₂ e Annual	Total tCO ₂ e	Initial withdrawal (10%) by ArBolivia (tCO ₂ e)	Deducted from ArBolivia withdrawal (tCO ₂ e)	Extra credits	Retained (10%) by ArBolivia (tCO ₂ e)	Buffer Plan Vivo (tCO ₂ e)	Issuance (tCO ₂ e)
PV3	Cochabamba	Shinahota		CBA-TIR-SHI-BOL-016-S1-P1	Guarea rusby	17	11	0.2	46.2	0	0	0	46.2	4.6	0	2.8	4.6	4.6	36.9
PV3	Cochabamba	Shinahota		CBA-TIR-SHI-BOL-016-S2-P2	Calophyllum brasiliense	23	13	0.2	56.9	0	0	0	56.9	5.7	0	11.5	5.7	5.7	45.5
PV3	Cochabamba	Shinahota		CBA-TIR-SHI-BOL-016-S2-P2	Centrolebium tomentosum	24	11	0.2	59.8	0	0	0	59.8	6	0	11.3	6	6	47.8
PV3	Cochabamba	Shinahota		CBA-TIR-SHI-BOL-016-S2-P2	Guarea rusby	17	11	0.2	61.6	0	0	0	61.6	6.2	0	3.8	6.2	6.2	49.3
PV3	Cochabamba	Shinahota		CBA-TIR-SHI-BOL-109-S1-P1	Calophyllum brasiliense	23	13	0.4	102.3	0	0	0	102.3	10.2	0	20.7	10.2	10.2	81.9
PV3	Cochabamba	Shinahota		CBA-TIR-SHI-BOL-109-S1-P1	Guarea rusby	17	11	0.7	221.6	0	0	0	221.6	22.2	0	13.6	22.2	22.2	177.3
PV3	Cochabamba	Shinahota		CBA-TIR-SHI-BOL-109-S1-P1	Tapirira guianensis	19	11	0.9	255.4	0	0	0	255.4	25.5	0	0	25.5	25.5	204.3

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV4	Santa Cruz	Buena Vista		SCZ-ICH- BVT-IZ1- 280-S5- P5	Centrolo bium tomentos um	24	11	2	0	0	0	604.7	604.7	60.5	0	114.9	60.5	60.5	483.8
PV4	Santa Cruz	Buena Vista		SCZ-ICH- BVT-IZ1- 020-S1- P1	Centrolo bium tomentos um	24	11	3	896.5	0	0	0	896.5	89.7	0	169.1	89.7	89.7	717.2
PV4	Santa Cruz	Buena Vista		SCZ-ICH- BVT-IZ1- 002-S1- P1	Centrolo bium tomentos um	24	11	2	597.7	0	0	0	597.7	59.8	0	112.7	59.8	59.8	478.2
PV4	Santa Cruz	Buena Vista		SCZ-ICH- BVT-IZ1- 002-S2- P2	Centrolo bium tomentos um	24	11	1.5	0	0	0	453.5	453.5	45.4	0	86.2	45.4	45.4	362.8
PV4	Santa Cruz	Buena Vista		SCZ-ICH- BVT-IZ2- 11-S4-P4	Centrolo bium tomentos um	24	11	0.5	149.4	0	0	0	149.4	14.9	0	28.2	14.9	14.9	119.5
PV4	Santa Cruz	Buena Vista		SCZ-ICH- BVT-IZ2- 11-S5-P5	Centrolo bium tomentos um	24	11	0.5	149.4	0	0	0	149.4	14.9	0	28.2	14.9	14.9	119.5

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV4	Santa Cruz	Buena Vista		SCZ-ICH- BVT-IZ2- 169-S1- P1	Centrolo bium tomentos um	24	11	0.9	269	0	0	0	269.0	26.9	0	50.7	26.9	26.9	215.2
PV4	Santa Cruz	Buena Vista		SCZ-ICH- BVT-IZ2- 169-S1- P2	Centrolo bium tomentos um	24	11	0.1	29.9	0	0	0	29.9	3	0	5.6	3	3	23.9
PV4	Santa Cruz	Buena Vista		SCZ-ICH- BVT-IZ2- 002-S1- P1	Centrolo bium tomentos um	24	11	0.2	0	0	0	60.5	60.5	6	0	11.5	6	6	48.4
PV4	Santa Cruz	Buena Vista		SCZ-ICH- BVT-IZ2- 002-S2- P2	Centrolo bium tomentos um	24	11	0.5	0	0	0	151.2	151.2	15.1	0	28.7	15.1	15.1	120.9
PV4	Beni	Rurrenaba que		BEN-JBA- RBQ- CSD-011- S4-P2	Centrolo bium tomentos um	24	11	1.5	448.3	0	0	0	448.3	44.8	0	84.6	44.8	44.8	358.6
PV4	Beni	Rurrenaba que		BEN-JBA- RBQ- CSD-011- S5-P3	Calophyll um brasiliens e	23	13	0.3	71.1	0	0	0	71.1	7.1	0	14.4	7.1	7.1	56.9
PV4	Beni	Rurrenaba que		BEN-JBA- RBQ-	Stryphno dendron	12	7	0.5	129.8	0	0	0	129.8	13	0	0	13	13	103.8

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra sslan d	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
				CSD-20- S1-P1	purpureu m														
PV4	Beni	Rurrenaba que		BEN-JBA- RBQ- CSD-20- S1-P2	Calophyll um brasiliens e	23	13	0.5	142.1	0	0	0	142.1	14.2	0	28.7	14.2	14.2	113.7
PV4	Beni	Rurrenaba que		BEN-JBA- RBQ- CAU-44- S3-P2	Calophyll um brasiliens e	23	13	1	284.3	0	0	0	284.3	28.4	0	57.4	28.4	28.4	227.4
PV4	Beni	Rurrenaba que		BEN-JBA- RBQ-CLB- 12-S4-P2	Centrolo bium tomentos um	24	11	0.7	209.2	0	0	0	209.2	20.9	0	39.5	20.9	20.9	167.4
PV4	Beni	Rurrenaba que		BEN-JBA- RBQ-CLB- 18-S1-P1	Stryphno dendron purpureu m	12	7	1.3	0	0	0	328.7	328.7	32.9	0	0	32.9	32.9	263.0
PV4	Beni	Rurrenaba que		BEN-JBA- RBQ-CLB- 21-S1-P1	Centrolo bium tomentos um	24	11	0.5	0	0	0	151.2	151.2	15.1	0	28.7	15.1	15.1	120.9
PV4	Beni	Rurrenaba que		BEN-JBA- RBQ-CLB- 11-S1-P1	Centrolo bium tomentos um	24	11	1	298.8	0	0	0	298.8	29.9	0	56.4	29.9	29.9	239.1
PV4	Beni	Rurrenaba que		BEN-JBA- RBQ-CLB- 22-S1-P1	Centrolo bium tomentos um	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9

PV	Departmen t	Municipalit y	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2 e Peren nial	t CO 2e Gra ssla nd	tCO2e Grasslan d with trees	tCO2e Annua l	Total tCO2 e	Initial withdra wal (10%) by ArBolivi a (tCO2e)	Deducted from ArBolivia withdrawa l (tCO2e)	Extra credits	Retained (10%) by ArBolivia (tCO2e)	Buffe r Plan Vivo (tCO2 e)	Issuance (tCO2e)
PV4	Beni	Rurrenaba que		BEN-JBA- RBQ-40J- 26-S1-P1	Centrolo bium tomentos um	24	11	1	0	0	0	302.4	302.4	30.2	0	57.5	30.2	30.2	241.9
PV4	Beni	Rurrenaba que		BEN-JBA- RBQ- SAA-17- S1-P1	Stryphno dendron purpureu m	12	7	1	0	0	0	263	263.0	26.3	0	0	26.3	26.3	210.4
PV4	Beni	Rurrenaba que		BEN-JBA- RBQ- TCN-41- SL4-PL3	Stryphno dendron purpureu m	12	7	0.5	0	0	0	131.5	131.5	13.1	0	0	13.1	13.1	105.2
PV4	Beni	San Borja		BEN-JBA- SBJ-CLC- 04-S1-P1	Centrolo bium tomentos um	24	11	0.8	0	0	0	226.8	226.8	22.7	0	43.1	22.7	22.7	181.4
PV4	Beni	San Borja		BEN-JBA- SBJ-MAC- 08-S3-P2	Calophyll um brasiliens e	23	13	0.8	0	0	0	215.8	215.8	21.6	0	43.9	21.6	21.6	172.7
PV4	Beni	San Borja		BEN-JBA- SBJ-MAC- 08-S3-P2	Stryphno dendron purpureu m	12	7	0.3	0	0	0	65.7	65.7	6.6	0	0	6.6	6.6	52.6
PV4	La Paz	San Buenavent ura		LPZ-ITU- SBV- TUM-04- S5-P2	Centrolo bium tomentos um	24	11	1	298.8	0	0	0	298.8	29.9	0	56.4	29.9	29.9	239.1

*Information included for internal reporting only

Annex 3. Ongoing monitoring results for all participants 2018

PV	Department	Municipality	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2e Perennial	t CO2e Grass land	tCO2e Grass land with trees	tCO2e Annual	Total tCO2e	Retained (10%) by Ar Bolivia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)	Remark
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-6-S5-P5	Centrolobium tomentosum	22	11	0,5	0,0	0,0	0,0	151,2	151,2	15,1	15,1	120,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-PAZ-33-S4-P7	Centrolobium tomentosum	22	11	0,4	119,9	0,0	0,0	0,0	119,9	12,0	12,0	96,0	
PV5	SANTA CRUZ	San Carlos		SCZ-ICH-SCS-LLD-101-S1-P1	Calophyllum brasiliense	25	13	0,6	0,0	0,0	0,0	184,2	184,2	18,4	18,4	147,4	
PV5	SANTA CRUZ	San Carlos		SCZ-ICH-SCS-LLD-101-S1-P2	Calophyllum brasiliense	25	13	0,3	0,0	0,0	0,0	74,8	74,8	7,5	7,5	59,9	
PV5	BENI	San Borja		BEN-JBA-SBJ-SLD-009-S1-P1	Calophyllum brasiliense	25	13	1,3	0,0	0,0	0,0	374,1	374,1	37,4	37,4	299,3	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-017-S1-P1	Centrolobium tomentosum	22	11	1,0	299,8	0,0	0,0	0,0	299,8	30,0	30,0	239,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-033-S1-P1	Centrolobium tomentosum	22	11	0,2	0,0	0,0	0,0	60,5	60,5	6,0	6,0	48,4	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-033-S2-P2	Centrolobium tomentosum	22	11	0,8	239,9	0,0	0,0	0,0	239,9	24,0	24,0	191,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-LEV-16-S7-P7	Centrolobium tomentosum	22	11	1,0	0,0	0,0	0,0	302,4	302,4	30,2	30,2	241,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-LEV-16-S8-P8	Centrolobium tomentosum	22	11	1,0	0,0	0,0	0,0	302,4	302,4	30,2	30,2	241,9	

PV	Department	Municipality	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2e Perennial	t CO2e Grassland	tCO2e Grassland with trees	tCO2e Annual	Total tCO2e	Retained (10%) by Arboliva (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)	Remark
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-SRA-012-S1-P1	Centrolobium tomentosum	22	11	1,0	299,8	0,0	0,0	0,0	299,8	30,0	30,0	239,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-014-S3-P3	Centrolobium tomentosum	22	11	0,8	239,9	0,0	0,0	0,0	239,9	24,0	24,0	191,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-014-S4-P4	Centrolobium tomentosum	22	11	0,2	60,0	0,0	0,0	0,0	60,0	6,0	6,0	48,0	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-LEV-10-S4-P4	Centrolobium tomentosum	22	11	1,0	299,8	0,0	0,0	0,0	299,8	30,0	30,0	239,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-ESS-035-S1-P5	Centrolobium tomentosum	22	11	0,3	90,0	0,0	0,0	0,0	90,0	9,0	9,0	72,0	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-ESS-035-S2-P4	Centrolobium tomentosum	22	11	1,7	0,0	0,0	0,0	514,0	514,0	51,4	51,4	411,2	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-LEV-017-S1-P1	Centrolobium tomentosum	22	11	1,0	299,8	0,0	0,0	0,0	299,8	30,0	30,0	239,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-40-S2-P2	Centrolobium tomentosum	22	11	0,5	149,9	0,0	0,0	0,0	149,9	15,0	15,0	119,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-40-S3-P3	Centrolobium tomentosum	22	11	0,5	149,9	0,0	0,0	0,0	149,9	15,0	15,0	119,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-6-S6-P6	Centrolobium tomentosum	22	11	0,2	0,0	0,0	0,0	60,5	60,5	6,0	6,0	48,4	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-6-S7-P7	Centrolobium tomentosum	22	11	0,3	0,0	0,0	0,0	90,7	90,7	9,1	9,1	72,6	

PV	Department	Municipality	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2e Perennial	tCO2e Grassland	tCO2e Grassland with trees	tCO2e Annual	Total tCO2e	Retained (10%) by Arbolito Bolivia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)	Remark
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-LEV-002-S1-P1	Centrolobium tomentosum	22	11	1,0	0,0	0,0	0,0	302,4	302,4	30,2	30,2	241,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-21-S7-P7	Centrolobium tomentosum	22	11	0,8	0,0	0,0	0,0	241,9	241,9	24,2	24,2	193,5	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-21-S8-P8	Centrolobium tomentosum	22	11	0,2	0,0	0,0	0,0	60,5	60,5	6,0	6,0	48,4	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-21-S9-P10	Calophyllum brasiliense	25	13	0,1	28,4	0,0	0,0	0,0	28,4	2,8	2,8	22,7	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-21-S9-P9	Calophyllum brasiliense	25	13	0,9	255,9	0,0	0,0	0,0	255,9	25,6	25,6	204,7	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-SFE-142-S1-P1	Calophyllum brasiliense	25	13	1,6	0,0	0,0	0,0	460,5	460,5	46,0	46,0	368,4	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-SFE-142-S1-P2	Calophyllum brasiliense	25	13	0,4	0,0	0,0	0,0	115,1	115,1	11,5	11,5	92,1	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-SFE-142-S1-P3	Calophyllum brasiliense	25	13	2,0	0,0	0,0	0,0	575,6	575,6	57,6	57,6	460,5	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-PAZ-33-S5-P8	Centrolobium tomentosum	22	11	0,5	143,9	0,0	0,0	0,0	143,9	14,4	14,4	115,1	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-LEV-11-S1-P7	Centrolobium tomentosum	22	11	0,6	179,9	0,0	0,0	0,0	179,9	18,0	18,0	143,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-VAB-23-S4-P6	Centrolobium tomentosum	22	11	1,0	299,8	0,0	0,0	0,0	299,8	30,0	30,0	239,9	
PV5	SANTA CRUZ	San Carlos		SCZ-ICH-SCS-LLD-101-S1-P1	Calophyllum brasiliense	25	13	0,1	0,0	0,0	0,0	17,3	17,3	1,7	1,7	13,8	

PV	Department	Municipality	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2e Perennial	tCO2e Grassland	tCO2e Grassland with trees	tCO2e Annual	Total tCO2e	Retained (10%) by Ar Bolivia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)	Remark
PV5	SANTA CRUZ	San Carlos		SCZ-ICH-SCS-LLD-101-S1-P2	Calophyllum brasiliense	25	13	0,0	0,0	0,0	0,0	11,5	11,5	1,2	1,2	9,2	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-CCO-18-S1-P2	Calophyllum brasiliense	25	13	1,0	284,3	0,0	0,0	0,0	284,3	28,4	28,4	227,4	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-CLI-044-S1-P1r	Calophyllum brasiliense	25	13	1,0	284,3	0,0	0,0	0,0	284,3	28,4	28,4	227,4	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-IZ1-008-S1-P1	Centrolobium tomentosum	22	11	1,5	449,8	0,0	0,0	0,0	449,8	45,0	45,0	359,8	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-IZ1-004-S1-P1	Calophyllum brasiliense	25	13	1,0	284,3	0,0	0,0	0,0	284,3	28,4	28,4	227,4	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-IZ1-004-S2-P2	Centrolobium tomentosum	22	11	1,0	299,8	0,0	0,0	0,0	299,8	30,0	30,0	239,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-LEV-017-S2-P2	Centrolobium tomentosum	22	11	1,0	299,8	0,0	0,0	0,0	299,8	30,0	30,0	239,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-LEV-017-S3-P3	Calophyllum brasiliense	25	13	0,5	142,1	0,0	0,0	0,0	142,1	14,2	14,2	113,7	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-IZ2-169-S1-P4	Centrolobium tomentosum	22	11	1,0	0,0	0,0	0,0	302,4	302,4	30,2	30,2	241,9	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-IZ1-002-S1-P3	Calophyllum brasiliense	25	13	1,0	0,0	0,0	0,0	287,8	287,8	28,8	28,8	230,2	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-ESS-20-S5-P5	Centrolobium tomentosum	22	11	1,0	299,8	0,0	0,0	0,0	299,8	30,0	30,0	239,9	

PV	Department	Municipality	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2e Perennial	tCO2e Grassland	tCO2e Grassland with trees	tCO2e Annual	Total tCO2e	Retained (10%) by Arbolito Bolivia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)	Remark
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-SFE-142-S2-P5	Calophyllum brasiliense	25	13	2,0	568,6	0,0	0,0	0,0	568,6	56,9	56,9	454,8	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-PAZ-33-S5-P8	Centrolobium tomentosum	22	11	0,1	36,0	0,0	0,0	0,0	36,0	3,6	3,6	28,8	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-PAZ-33-S6-P9	Calophyllum brasiliense	25	13	0,7	199,0	0,0	0,0	0,0	199,0	19,9	19,9	159,2	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-PAZ-33-S7-P10	Calophyllum brasiliense	25	13	0,3	85,3	0,0	0,0	0,0	85,3	8,5	8,5	68,2	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-LEV-11-S1-P7	Calophyllum brasiliense	25	13	0,4	113,7	0,0	0,0	0,0	113,7	11,4	11,4	91,0	
PV5	SANTA CRUZ	Buena Vista		SCZ-ICH-BVT-LEV-11-S8-P8	Calophyllum brasiliense	25	13	1,0	284,3	0,0	0,0	0,0	284,3	28,4	28,4	227,4	
PV5	SANTA CRUZ	San Carlos		SCZ-ICH-SCS-TCI-23-S10-P10	Centrolobium tomentosum	22	11	2,0	599,7	0,0	0,0	0,0	599,7	60,0	60,0	479,8	
PV5	SANTA CRUZ	San Carlos		SCZ-ICH-SCS-LMJ-28-S9-P9	Calophyllum brasiliense	25	13	2,2	0,0	0,0	0,0	633,2	633,2	63,3	63,3	506,5	
PV5	SANTA CRUZ	San Carlos		SCZ-ICH-SCS-ABT-49_B-S6-P6	Calophyllum brasiliense	25	13	1,0	0,0	0,0	0,0	287,8	287,8	28,8	28,8	230,2	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-TER-02-S3-P3	Centrolobium tomentosum	22	11	0,7	209,9	0,0	0,0	0,0	209,9	21,0	21,0	167,9	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-TER-02-S3-P4	Centrolobium tomentosum	22	11	0,2	60,0	0,0	0,0	0,0	60,0	6,0	6,0	48,0	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-TER-02-S4-P5	Centrolobium tomentosum	22	11	0,3	90,0	0,0	0,0	0,0	90,0	9,0	9,0	72,0	

PV	Department	Municipality	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2e Perennial	t CO2e Grassland	tCO2e Grassland with trees	tCO2e Annual	Total tCO2e	Retained (10%) by Ar Bolivia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)	Remark
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-ABR-071-S1-P1	Calophyllum brasiliense	25	13	1,0	284,3	0,0	0,0	0,0	284,3	28,4	28,4	227,4	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-CCO-18-S2-P3	Centrolobium tomentosum	22	11	1,0	299,8	0,0	0,0	0,0	299,8	30,0	30,0	239,9	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-14D-025-S1-P1	Calophyllum brasiliense	25	13	1,0	284,3	0,0	0,0	0,0	284,3	28,4	28,4	227,4	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-CLI-026-S1-P1	Calophyllum brasiliense	25	13	1,4	398,0	0,0	0,0	0,0	398,0	39,8	39,8	318,4	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-CLI-026-S1-P2	Calophyllum brasiliense	25	13	0,4	113,7	0,0	0,0	0,0	113,7	11,4	11,4	91,0	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-CUF-009-S1-P1r	Calophyllum brasiliense	25	13	1,0	0,0	0,0	0,0	287,8	287,8	28,8	28,8	230,2	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-CGV-024-S1-P1	Calophyllum brasiliense	25	13	1,0	0,0	0,0	285,7	0,0	285,7	28,6	28,6	228,6	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-CGV-033-S1-P1	Calophyllum brasiliense	25	13	1,0	0,0	0,0	285,7	0,0	285,7	28,6	28,6	228,6	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-25Y-09-S4-P4	Calophyllum brasiliense	25	13	0,7	199,0	0,0	0,0	0,0	199,0	19,9	19,9	159,2	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-2AG-18-S9-P9	Calophyllum brasiliense	25	13	1,4	398,0	0,0	0,0	0,0	398,0	39,8	39,8	318,4	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-CLI-015-S1-P1	Calophyllum brasiliense	25	13	1,0	0,0	0,0	285,7	0,0	285,7	28,6	28,6	228,6	

PV	Department	Municipality	Farmer's name*	Unique sector code	Tree specie planted	Rotation	Years to average	Surface planted (Ha)	tCO2e Perennial	t CO2e Grassland	tCO2e Grassland with trees	tCO2e Annual	Total tCO2e	Retained (10%) by Ar Bolivia (tCO2e)	Buffer Plan Vivo (tCO2e)	Issuance (tCO2e)	Remark
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-TER-020-S1-P1	Centrolobium tomentosum	22	11	1,2	359,8	0,0	0,0	0,0	359,8	36,0	36,0	287,9	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-TER-020-S1-P2	Centrolobium tomentosum	22	11	0,8	239,9	0,0	0,0	0,0	239,9	24,0	24,0	191,9	
PV5	SANTA CRUZ	Yapacaní		SCZ-ICH-YAP-TER-13-S2-P1	Calophyllum brasiliense	25	13	1,0	284,3	0,0	0,0	0,0	284,3	28,4	28,4	227,4	

*Information for internal reporting only

Annex 4 – Revised “Sale of Plan Vivo Certificates, Table 9 -Annual Report 2017

The revised table includes 100 certificates sold to Clearway Sustainable Resources limited and excludes a duplication of 4,063 certificates previously indicated as being sold to Zero Mission.

Vintage	Buyer	No of PVCs	Price per PVC (\$)*	Total sale amount (\$)*	Price to participants per PVC (\$)*	% Sale price received by participants
Sales 2017						
2011	Greenamity	177				62%
2011	Greenamity	38				62%
2016	Greenamity	170				62%
2011	ZeroMission AB	2,178				71%
2011	ZeroMission AB	1,431				71%
2011	ZeroMission AB	24				71%
2011	ZeroMission AB	28				71%
2016	ZeroMission AB	3,537				71%
subtotal sales 2017		7,583				70%
Previously sold:						
2010	ForestFinance	10,034				69%
2010	Clearway Sustainability Resources Ltd	100				69%
2010	COZero Pty Ltd	100				69%

2010	Sydney Convention & Exhibition Centre	100				69%
2010	ZeroMission AB	2,463				69%
2010	ZeroMission AB	525				69%
2010	ZeroMission AB	93				69%
2011	ZeroMission AB	93				69%
2011	ZeroMission AB	2,604				69%
2011	ZeroMission AB	2,303				69%
2011	ZeroMission AB	307				69%
2011	Retired (Lifegate)	5				69%
2011	ZeroMission AB	500				69%
2011	ZeroMission AB	2,363				69%
2011	ZeroMission AB	500				69%
2011	ZeroMission AB	1,287				69%
2011	Retired (D M & K E Brotherton)	85				69%
2011	Retired (Ecology Building Society)	838				69%
2011	ZeroMission AB	4,063				69%
2011	Zero Mission	479				69%
2011	Greenamity	182				69%
2011	Ecology Building Society	339				69%
2011	Ecology Building Society	231				69%
Subtotal sales 2011 – 2016		29,594				
Total sales 2011 – 2017		37,177				

*Information for internal reporting only