



50 MW TSETSII WIND Farm in Mongolia



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Prepared by	Clean Energy Asia LLC

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PROJECT DETAILS

1.1 Summary Description of the Implementation Status of the Project

Clean Energy Asia LLC owns the 50MW Tsetsii wind farm project (hereafter referred to as the “Project”) located in Tsogtestsii Soum, Umnugovi Province, in the South Gobi region of Mongolia. The project activity generates clean electricity through renewable wind energy sources and supplies electricity to the central grid of Mongolia. It has a total installed capacity of 50.0 MW and consists of 25 wind turbine generators with a unit capacity of 2.0 MW. These wind turbine generators (referred to as “WTG”) are of Vestas make V110-2.0MW WTG model.

The electricity generated by the WTGs is transmitted to the 110/35kV “Tsetsii” substation through 35kV underground cables. From there, it is delivered to the central power grid network via 110kV overhead transmission lines, which connect the project to the 220/110/35kV “Tavantolgoi” substation. The National Power Transmission Grid Limited (referred to as “NPTG”) receives the electricity as per the Power Purchase Agreement between Clean Energy Asia LLC and the National Dispatching Center, which serves as the national power system operator.

The project commenced construction on 14-September-2016, started commercial operation on 27-November-2017, and became fully operational on 08-May-2018. The project operation achieved a significant milestone by obtaining certifications for the ISO9001:2015 Quality Management System, ISO14001:2015 Environmental Management System, and ISO45001:2018 Occupational Health and Safety Management System Standard on 22-December-2023 (Appendix 5).

The project activity has supplied a total of 175,149.0 MWh of electricity to the central power grid and resulted in emission reductions of 152,550 tCO₂e during the current monitoring period from 01-April-2022 to 31-March-2023 (first and last date included).

1.2 Audit History

The project activity has been audited for the following period.

Audit type	Period	Program	Validation/verification body name	Number of years
Validation/verification	27-November-2017 –31-March-2019	VCS	Rina Services S.p.A	One year and 124 days
Verification	01-April-2019 – 31-March-2020	VCS	Carbon Check India Pvt. Ltd.	One year
Verification	01-April-2020 – 31-March-2021	VCS	Carbon Check India Pvt. Ltd	One year

Verification	01-April-2021 – 31-March-2022	VCS	LGAI Technological Center, S.A. (Applus+ Certification)	One year
Verification	01-April-2022 – 31-March-2023	VCS	LGAI Technological Center, S.A. (Applus+ Certification)	One year

1.3 Sectoral Scope and Project Type

The project activity falls under the following Sectoral Scope and Project Type:

Sectoral scope ¹	01 – Energy industries (renewable/non-renewable sources)
Project activity type	I – Renewable Energy Projects

The project is neither a grouped project activity nor an AFOLU project.

1.4 Project Proponent

Organization Name	Clean Energy Asia LLC
Contact person	Saruul Damdinbal
Title	Health, Safety, and Environmental Manager
Address	10 Floor, Naiman Zovkhis Building, 21 Seoul Street, Ulaanbaatar 14251, Mongolia
Telephone	+976 7000 3183
Email	saruul@cea.mn

1.5 Other Entities Involved in the Project

During the monitoring period, Clean Energy Asia LLC did not engage other project participants.

Organization name	NA
Role in the project	NA
Contact person	NA
Title	NA

¹ Projects, activities, or methodologies may be developed under any of the 16 VCS sectoral scopes: <https://verra.org/programs/verified-carbon-standard/vcs-program-details/#sectoral-scopes>

Address	NA
Telephone	NA
Email	NA

1.6 Project Start Date

Project start date	27-November-2017
Justification	The project start date corresponds to the date of interconnection with the grid and the first operational date. Data became available from that day onward.

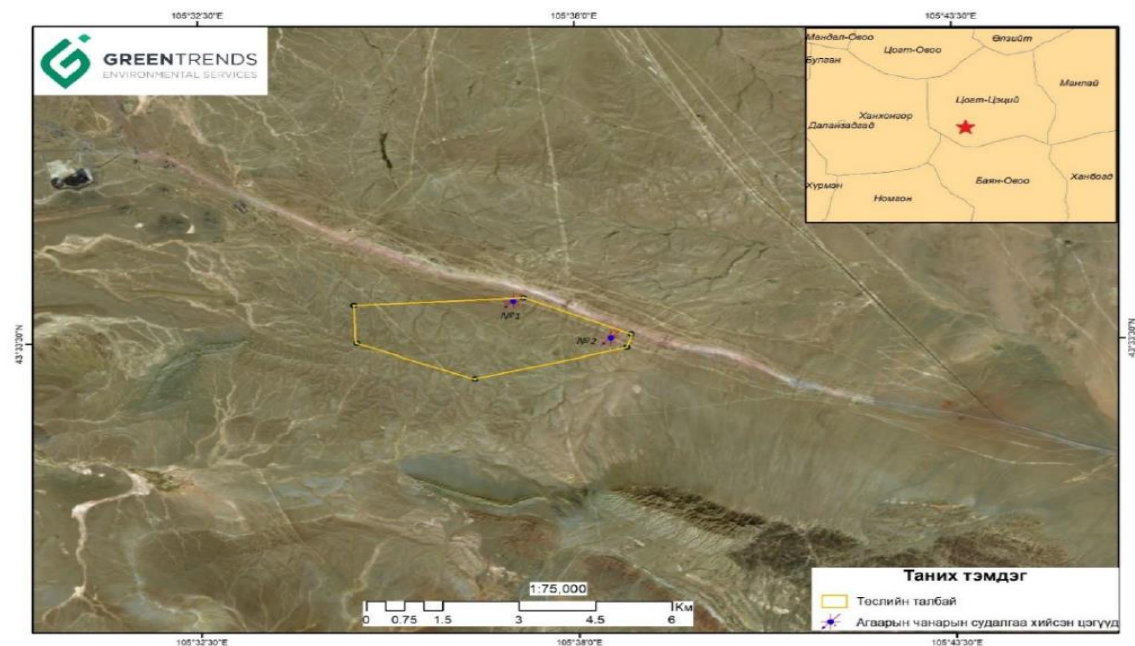
1.7 Project Crediting Period

Crediting period	☐ Seven years, twice renewable ☐ Ten years, fixed ☒ Other (The project was validated in 2019 with a 10-year crediting period, renewable up to two times. This period was compliant with the VCS requirements at the time of validation. The VCS v4.7 program requirements still permit other options, ensuring that the project's crediting period remains valid under the current requirements)
Start and end date of the first or fixed crediting period	27-November-2017 to 26-November-2027 (both days included)

1.8 Project Location

The 50MW "Tsetsii" wind farm project site comprises approximately 700 hectares of remote, open desert located 542km south of the capital city of Mongolia, 98km east of Dalanzadgad city, and 22km south of Tsogtsetsii Soum center. The site lies within the Tsogtsetsii Soum, in the province of Umnugovi Aimag in southern Mongolia. The coordinates of the project location are 43°33'6.904" to 43°33'58.186" North latitude and 105°34'50.16" to 105°38'28.0176" East longitude. The site is 1,587-1,597m above sea level.

Figure 1 shows the project location



1.9 Title and Reference of Methodology

Type (methodology, tool or module).	Reference ID, if applicable	Title	Version
Methodology	ACM0002	Grid-connected electricity generation from renewable sources	19.0
Tool	TOOL07	Tool to calculate the emission factor for an electricity system	07.0

The project activity meets the eligibility criteria of a large-scale project as it is more than 15MW.

1.10 Double Counting and Participation under Other GHG Programs

1.10.1 No Double Issuance

Is the project receiving or seeking credit for reductions and removals from a project activity under another GHG program?

☐ Yes ☒ No

1.10.2 Registration in Other GHG Programs

Was the project registered or seeking registration under any other GHG programs?

☐ Yes ☒ No

1.11 Double Claiming, Other Forms of Credit, and Scope 3 Emissions

1.11.1 No Double Claiming with Emissions Trading Programs or Binding Emission Limits

Are project reductions and removals or project activities also included in an emissions trading program or binding emission limit?

☐ Yes ☒ No

1.11.2 No Double Claiming with Other Forms of Environmental Credit

Has the project activity sought, received, or is planning to receive credit from another GHG-related environmental credit system?

☐ Yes ☒ No

1.11.3 Supply Chain (Scope 3) Emissions

Do the project activities affect the emissions footprint of any product(s) (goods or services) that are part of a supply chain?

☐ Yes☒ No

1.12 Sustainable Development Contributions

The project activity had beneficial effects on the local community and the environment. Its continued support for the local herders' students contributes to SDG4. The project activity also contributed to SDG7 by producing and delivering clean electricity, which results in the avoidance of fossil fuel consumption, and contributed to SDG13 by emission reductions through its activities.

Detailed indicators are mentioned in Table 1. The evidence of the project's sustainable development contributions has been provided in Appendix 3 of this report.

Table 1: Sustainable Development Contributions

Row number	SDG target	SDG indicator	Net impact on SDG indicator	Current project contributions	Contributions over project's lifetime
1.	4.3	4.3.1. The participation rate of youth and adults in formal and non-formal education and training in the previous 12 months	The project has been supporting local herder families' youth to attend higher-degree universities/colleges since 2017. Thus, the implemented activity has increased the net impact on the SDG indicator.	The project provided scholarships to 5 local students from herder families below the average poverty line and supported the university participation rate of the project implementing territory	Awarded scholarships to 5 exceptional local students who couldn't afford their tuition to attend higher-degree universities, increasing the local education participation by 7.24% (total of 69 students enrolled in universities/colleges according to 2022/2023 statistical data). The project supported 27 local students who attended higher-degree universities during the project implementation period from 2018 to 2023.
2.	7.2	7.2.1. Renewable energy shares in the total final energy consumption	Implemented activities to increase the net impact on the SDG indicator.	The project delivered 175,149.0 MWh of renewable electricity to the central power grid during the reporting period, increasing the renewable energy share in the energy consumption	Overall 175,149.0 MWh renewable electricity has been supplied to the central grid during the reporting period, increasing the renewable energy share in the energy mix. The project generated a total of 867,426 MWh of renewable electricity to date over the project lifetime (from 27-November-2017 to 31-March-2023).

Row number	SDG target	SDG indicator	Net impact on SDG indicator	Current project contributions	Contributions over project's lifetime
3.	13.0	13.0 Tonnes of greenhouse gas emissions avoided	Implemented activities to increase the net impact on the SDG indicator.	Avoided the release of 152,550 tonnes of CO ₂ e emission into the atmosphere during the current monitoring period between 01-April-2022 and 31-March-2023.	The project has prevented the release of 755,516 tonnes of CO ₂ e into the atmosphere since the project's commissioning (from 27-Nov-2017 to 31-March-2023).

1.13 Commercially Sensitive Information

The report does not include any commercially sensitive information from the public.

2 SAFEGUARDS AND STAKEHOLDER ENGAGEMENT

2.1 Stakeholder Engagement and Consultation

2.1.1 Stakeholder Identification

Stakeholder Identification

The project conducted a stakeholder analysis on 23-August-2022, as per the ISO9001:2015 Quality Management System requirements. This stakeholder analysis process is conducted on an annual basis. During the analysis, the following stakeholders have been identified:

1. Shareholders
2. Board members
3. Chief Executive Officer
4. Management team
5. Contractors
6. Employees
7. Lenders
8. Business partners
9. Customer – The National Power Dispatching Center
10. Companies with similar operation
11. Government agencies overseeing health, safety, and environment
12. Local community
13. Visitors

Legal or customary tenure/access rights	The project obtained a 21-year land ownership permit from the local government, and there are no conflicting rights with the local community or other parties.
Stakeholder diversity and changes over time	The project involves various stakeholder groups, including the project owner, lender, customer, and the residents who live near the project implementing area. Notably, there is no indigenous community within this stakeholder group, and this composition has remained unchanged since the project's commissioning.
Expected changes in well-being	Due to the increasing nearby heavy coal mining activities (leaving un reclaimed areas) by other parties, it is expected that the local community's attention to the ecosystem services may change.
Location of stakeholders	The local stakeholders consist of both local herders and citizens residing within the Siirst Bag, Tsogtsetsii Soum, which is part of Umnugovi Aimag (province) Mongolia. The project activity is also predicted to have a positive impact on local citizens residing in the Tsogtsetsii Soum area outside the project boundaries.
Location of resources	The local community (herders and citizens) has customary access rights to natural resources such as the grazing land around the unfenced wind turbine generators and the Tsetsii Mountain. The project areas that are fenced and contain the substation and operation and maintenance buildings are owned by the project shareholders and board of directors.

2.1.2 Stakeholder Consultation and Ongoing Communication

Ongoing consultation	The project implements a Stakeholder Engagement Plan and conducts ongoing stakeholder consultation. Due to the local herders' nomadic lifestyles, the project representatives visit their homes in person for the herders' convenience (Appendix 4).
Date(s) of stakeholder consultation	05-April -2022 25-May-2022

	27-May-2022
	24-January-2023
Communication of monitored results	05-April-2022: The project staff met with the local Government representatives and Children's Checker Club teacher, introduced the project activity, and environmental benefits, and handed over donations to the local Children's Checker Club operation. 25-May-2022: During the meeting with the members of the Citizens Representative Khural on 25-May-2022, we discussed the project's environmental impacts and shared the results of our emission reduction efforts. 27-May-2022: The project staff visited the local herders (3 herder families were present at the time), provided project operation, and distributed grievance forms. No grievances were recorded. 24-January-2023: Met with a total of 25 local people with disability and 25 local elderly citizens of Tsogtsetsii Soum, communicated our project operation, introduced its environmental benefits, and donated support for their Lunar New Year celebration.
Consultation records	05-April-2022: This consultation meeting results were published in the local community's Citizens Representative Khural's public Facebook page. 25-May-2022: The Citizens Representative Khural meeting was documented in the form of a meeting protocol. 27-May-2022: This meeting with the local herders was documented in a meeting report. 24-January-2023: It was documented in Siits Bag Governor's letter of request, and company's CEO decree, and the list of participants for the meeting.
Stakeholder input	05-April-2022: No written responses or objections were received. 25-May-2022:

The Siirst Bag Governor, Mrs.Enkhtsetseg, commented that the project should increase local employment.

This comment was deemed insignificant to the project activity since the proponent has taken significant steps to address this feedback regarding the need to increase local employment. During the reporting period, local employment stood at 14.3%, with 6 local employees out of a total staff of 42. Additionally, efforts were made to fill open vacancies, but there was a lack of CV submissions from the local candidates.

Furthermore, to support the development of a skilled local workforce, the project proponent has provided 5 scholarships each year. These scholarships are aimed at enabling local individuals to gain the necessary skills and qualifications for future employment within the project.

She further commented that the project proponent should assist in planting grass and establishing fences in certain areas.

This comment was deemed irrelevant to the project activity. The project proponent's assistance in planting grass and establishing fences in areas not relevant to the project implementing territory does not constitute a direct or indirect impact of the project activity and, therefore, cannot be considered a grievance.

She inquired about the possibility of providing donations to organize sports and cultural events among the herders.

This comment was deemed irrelevant to the project activity. The project proponent's provisions to the herders for miscellaneous sports activities do not constitute a direct or indirect impact of the project activity and, therefore, cannot be considered a grievance.

The member of the Citizens Representative Khural inquired about the possibility of contributing to organizing experience-sharing events among the herders.

This comment was deemed irrelevant to the project activity. The project proponent's arrangement of an experience-sharing program does not constitute a direct or indirect

	impact of the project activity and, therefore, cannot be considered a grievance. 27-May-2022: No written responses or objections were received. 24-January-2023: No written responses or objections were received.
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2.1.3 Free, Prior, and Informed Consent

Consent	There are no conflicting rights with the local community or other parties. Consequently, no customary rights holders were affected or required consent. During the meeting on 25-May-2022, the local community and members of the Citizens Representative Khural expressed their support for the project. This consent was documented in the meeting protocol. Additionally, the concurrent Decree by the Citizens Representative Khural indicates that an agreement was reached to approve the project's Environmental impact assessment as well as its Environmental management plan.
Outcome of FPIC	The project did not acquire any land from the local community; therefore, there was no forced physical or economic displacement. During the meeting, the project proponent distributed grievance forms, but no grievances were raised.

2.1.4 Grievance Redress Procedure

Grievances received	Resolution and outcome
NA	The local community grievance register is maintained at the site and office. The grievance register is available. The grievance procedure was explained during the meeting with the herders and grievance forms were distributed to the herders during the meeting. Grievance contact information is available to all interested parties (available on the company's Facebook page).

2.1.5 Public Comments

During the current monitoring period, no public comments were received.

Summary of comments received	Actions taken
Not applicable	Not applicable

2.2 Risks to Stakeholders and the Environment

2.2.1 Management Experience

During the project construction phase, the project proponent contracted SgurrEnergy LLC, a globally reputable engineering and project management consultant. Their consultancy services varied from developing the Environmental and Social Impact Assessment, and overseeing the project, to creating the Stakeholder Engagement Plan. In addition to the owner's engineer, the project proponent employed skilled employees who have relevant experience in managing the project construction, operation, and community engagement or its environmental and social aspects.

The project team operates within a defined organizational structure approved by our board members. The project management team consists of experienced professionals with diverse backgrounds in environmental management, data, and project management. Our combined expertise ensures the effective implementation and monitoring of the project, adhering to the Verra requirements.

2.2.2 Risk assessment

	Risk identified	Mitigation or preventative measure(s) taken
Natural and human-induced risks to Stakeholders' wellbeing	No risk identified	According to 3.4 of the Validation report dated 26 - October - 2019, it was stated that there is no risk from the project. The project proponent adheres to the environmental and social performance standards set by the European Bank for Reconstruction and Development (EBRD). The project is located in a remote area, 23km from the nearest town. The closest local family lives at least 5km from the project area. Therefore, the project operation did not pose any risks to the stakeholder's well-being. Regardless of the project location, the project proponent has a Community Health and Safety Plan to prevent risks from occurring. They appointed site

		HSE personnel who are responsible for ensuring community health and safety near the site and detecting any early signs of risks through regular meetings with the local stakeholders. It was confirmed that the local community did not experience any adverse impacts from the project. No grievances were raised.
Risks to stakeholder participation	No risk identified	The project has a Stakeholder Engagement Plan to ensure equal participation of all stakeholders. Since construction, a grievance register has been actively maintained and regular meetings with the local community groups have been conducted. No risks have been identified regarding stakeholder participation during the monitoring period.
Working conditions	No risk identified	The Occupational Health and Safety Management System and Site Regulations are applied on-site during the monitoring period. All workers are provided with the necessary training and inductions regularly. Electrical protection equipment was calibrated as per schedule. Necessary personal protective equipment was issued and the standard safety practices have been applied. The site operation is compliant with ISO4500:2018 Occupational Health and Safety Management System requirements.
Safety of women and girls	No risk identified	The project proponent complies with the EBRD's environmental and social performance standards and abides by all local laws and regulations that protect the safety and well-being of women and girls. No complaints have been received regarding the mistreatment of women and girls. The company has a Human Resource Policy in place.
Safety of minority and marginalized groups, including children	No risk identified	The company is governed by and complies with EBRD's environmental and social performance standards and follows the local laws and regulations which protect the safety and well-being of children and marginalized groups. No complaints have been received regarding the mistreatment of children and marginalized groups.
Pollutants (air, noise, discharges to water, generation of waste,	Project impact on air quality (air pollutants,	Implemented an Environmental Monitoring Program to monitor air quality regularly. Managed the impacts

and release of hazardous materials and chemical pesticides and fertilizers)	dust, and noise) is identified as low during the operation phase as per the EIA.	as per the Environmental Management Plan. No risks have been identified during the monitoring period.
	Impact on surface water and groundwater quality are identified as minor as per the EIA.	There are no surface water flow and groundwater wells established within the project implementation territory. The project transports its purchased bottled drinking water from the Tsogtsetsii Soum. The wastewater is transported by a designated contractor to the local waste treatment plant for treatment and disposal. Regular sanitation and cleaning of the temporary storage tanks are conducted regularly.
	Chemicals are identified as medium risk during the project operation.	A designated banded chemical storage area is established to prevent chemical spills. Spill kits were placed. A contingency plan is in place.

2.3 Respect for Human Rights and Equity

2.3.1 Labor and Work

	Risks identified ²	Mitigation or preventative measure(s) taken
Discrimination	No risk identified	The project proponent adheres to its Code of Ethics and Business Conduct and bans all types of discrimination. No complaints have been received relating to workplace discrimination.
Sexual harassment	No risk identified	The project proponent has an Anti-Harassment Policy to prevent sexual harassment in the workplace. No complaints or reports of sexual harassment have been filed during the monitoring period.

² The identified risks and commensurate mitigation or preventative measure(s) for forced labor, child labor, and human trafficking, must be inclusive of staff and contracted workers employed by third parties.

Gender equity in labor and work	No risk identified	The project proponent adheres to its Code of Ethics and Business Conduct and hires and pays staff irrespective of gender or race.
Forced labor	No risk identified	The project proponent bans all types of forced labor. No complaints relating to forced labor have been received.
Child labor	No risk identified	The project proponent bans all types of child labor via its policy. No complaints related to child labor have been received.
Human trafficking	No risk identified	The project proponent adheres to the Environmental and Social Performance Standards set by the EBRD and intolerances all forms of human rights violations, including human trafficking. The company staff are hired on a consensual and contractual basis. No complaints related to human trafficking have been received.

2.3.2 Human Rights

Risks identified	Mitigation or preventative measure(s) taken
No risk identified	The project is situated approximately 23km from the nearest local town, Tsogtsetsii Soum, and the project activity does not affect indigenous people, local communities, or customary right holders. The project is governed by all human rights laws and regulations ³ .

2.3.3 Indigenous Peoples and Cultural Heritage

Risks identified	Mitigation(s) or preventative measures taken
No risk identified to the cultural heritage	No indigenous people are present near the project implementation territory and no cultural heritage sites are nearby. The project activity is conducted on land which was privately owned prior to and during the project activity. No risks are posed to the indigenous peoples or customary rights holders. Pre-construction archaeological surveys and excavations were carried out by the Archaeology Institute of the Mongolian Academy of Sciences and no significant cultural sites were identified.
“Tsetsii” Mountain State Protected Area	The project is not deemed to have an adverse impact on any international or nationally recognized heritage, and a study by the Archaeological Institute of the Mongolian Academy of Sciences confirmed that there are no significant cultural resources within the

³ “Legal information website”, 23-January-2020, <https://legalinfo.mn/mn/detail/15152>

Risks identified	Mitigation(s) or preventative measures taken
	project implementing area. The nearest culturally significant area is “Tsetsii Mountain” and the project activity does not affect this area. The project is located 5km from the “Tsetsii” Mountain, a state-protected area. The locals worship the Tsetsii Mountain for religious purposes. Mountain rituals link communities to the land. The cult of the Mountain rituals is usually dedicated to mountain spirits, sacred trees, lakes, or springs. Typically, Tsogtestsii Soum's local community and its governor held annual ceremonies to honor the mountain. The Mountain will not be disturbed or experience any direct impact from the project. The project prohibited hunting activities among the employees or access to the Tsetsii Mountain and areas to the south.

2.3.4 Property Rights

Risks identified	Mitigation or preventative measure(s) taken
No risk identified	Physical displacement is not required to operate the project. The project activity was conducted on land that was privately owned during the monitoring period. To minimize economic displacement for the local herders, the fenced area for the project is only confined to a small geographical area around the main substation, and the operation and maintenance building and transects across other grazing land areas were minimized to the extent practicable. Also, the project provides detailed and regular information to local community members about the project activity to mitigate community concerns as a result of misinformation.

2.3.5 Benefit Sharing

Summary of the benefit sharing plan	The project does not have any adverse impact on other stakeholders' property rights.
Benefit sharing during the monitoring period	The project does not have any adverse impact on other stakeholders' property rights.

2.4 Ecosystem Health

	Risk identified	Mitigation or preventative measure(s) taken during the monitoring period
Impacts on biodiversity and ecosystems	No risk identified	It was anticipated that during operation, potential impacts are a disturbance of fauna from WTG noise, shadow flicker, people, traffic, and loss of fauna from collision with WTGS (birds and bats). A ban was enforced on all hunting activities and speed limits were strictly adhered to within the project implementing area. There are species of vertebrates (Ibex, Argali, and Gazelle) that potentially could be more sensitive to operational disturbance (noise and shadow flicker) as they are highly wary of effects. However, it is considered unlikely that the project area is subject to high levels of activity of these species due to the amount of existing human and grazing activity in this area. The location of the project area is 3.5km from Tsetsii Mountain and it is therefore considered that the impact of operational disturbance from noise and shadow flicker will not be significant on ecological receptors of medium and high sensitivity. The project carries out control measures, including no access outside of the project area, no hunting, and control of lighting and night-time vehicle movements were incorporated in the project schedule. This will ensure no operational disturbance outside of the project area. The project implements a Biodiversity Management plan and monitors biodiversity annually since 2017.
Soil degradation and soil erosion	Vulnerability to erosion has been identified as a medium risk during construction phase and low risk during the	The project construction is deemed to have a significant adverse impact on soil, causing soil erosion. The soil erosion was mainly from vehicle traffic along dirt tracks used during the construction of on and off-site roads, power lines, control buildings, and WTGs. The project proponent has conducted biological and technical reclamation at the end of the construction period. During the project operation phase, the proponent carries out soil monitoring on regular basis to monitor its impacts

	Risk identified	Mitigation or preventative measure(s) taken during the monitoring period
	operation phase.	and established paved roads to minimize impacts from vehicles. During the project operation phase, the main impacts on soils would be from continued vehicle traffic movement. However, there is no need for vehicles to travel off the improved access roads, and this activity has been strictly prohibited. As described under construction above, the main risk to soils would be where vehicles leave prepared roads and drive cross-country. If designated roads are not used, vehicle movements will cause damage over a wide area around the WTGs or other off-road areas. The soils are a highly sensitive receptor, but the magnitude of the effect during operation is low since there will be much less frequent traffic than during construction and only occasional use of heavy equipment. In addition, vehicles will keep to improved access roads. The significance of the impact is assessed as moderate adverse. The project confined all vehicles to roadways, and monitored the road condition regularly, and carried out soil quality monitoring. Also, the project implements a waste management plan. No adverse impacts were identified as per the Environmental Monitoring report.
Water consumption and stress	No risk identified	There is no surface water flow and groundwater wells established within the project implementation territory. The project transports its purchased bottled drinking water from the Tsogtsetsii Soum. There was no adverse impact or stress on water consumption during the monitoring period. Since there are no permanent streams near the project, the sensitivity is considered low and the significance of the impact is assessed as negligible. The project will not establish a new groundwater well and hence it will not have a significant impact on the groundwater. The potential sources of pollution to the groundwater during the operation phase comprise leaks and spills of oils from the WTGs.

	Risk identified	Mitigation or preventative measure(s) taken during the monitoring period
		The project stores all fuel, oil, and chemical storage in the designated secure areas. Established a designated storage area with an impervious base and impermeable bund walls, and protected from precipitation. Capacity is sufficient to contain full volume within a secured location to protect the groundwater.

2.4.1 Rare, Threatened, and Endangered Species

Species or habitat	The environmental impact assessment of the project indicated that no sensitive fauna or flora species were documented and no rare, threatened, or endangered bird species were found within the vicinity of the project implementing territory. The Saker falcon is the only species of concern, listed as endangered by the IUCN and vulnerable in the Mongolian Redbook. However, no falcons or their nests were found in the project implementing territory during the reporting period. During the current monitoring period, we have not observed any loss of birds or electrocution due to the project activity.
Areas needed for habitat connectivity	The project does not have adverse impacts on habitat connectivity because it has not installed long fences. The only fenced areas are the substation and the operation and maintenance building. The project prohibited all types of hunting and access to the Tsetsii Mountain among employees. The project is located 3.5km from the “Tsetsii” Mountain.

	Risks identified	Mitigation or preventative measure(s) taken
Habitats for rare, threatened, and endangered species	NA	NA
Area Areas for habitat connectivity	NA	NA

2.4.2 Introduction of species

Species introduced	Classification	Justification for use	Adverse effects and mitigation
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N/A	N/A	N/A	N/A
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Existing invasive species	Mitigation measures to prevent the spread or continued existence of invasive species
None	N/A

	Risks identified	Mitigation or preventative measure(s) taken
Invasive species	No risk identified	No invasive species present

2.4.3 Ecosystem conversion

	Risks identified	Mitigation or preventative measure(s) taken
Ecosystem conversion	No risk identified	The project area was not cleared from the existing ecosystem.

3 IMPLEMENTATION STATUS

3.1 Implementation Status of the Project Activity

The project commissioning commenced on 27 November 2017. The project consists of 25 sets of wind turbine generators with a unit capacity of 2MW. The total installed capacity of the project is 50MW (Table 2 for technical parameters). Each wind turbine generator is equipped with one transformer. The power generated by the wind turbine generators is delivered to the 35/110kV on-site “Tsetsii” substation by 35kV underground transmission lines. The on-site “Tsetsii” substation increases the voltage of the electricity generated from 35kV to 110kV, where it is transported to the national power grid connection point at 220/110/35kV “Tavan Tolgoi Substation” via a 110kV overhead transmission line. No alterations have been made to the project design during the reporting period.

The project is operated and implemented without a lost-time incident and with few breakdowns during the reporting period from 01-April-2022 to 31-March-2023 (Appendix 2 provides breakdown details). All the electricity meters are pre-calibrated/factory-tested per the National Power Transmission Grid guidance. The project monitoring team recorded and checked all the data, and all materials were well-kept. The equipment and production activities were supervised by the production technician. No emergencies (including overhaul times, downtimes of equipment, exchange of equipment, etc) happened in this reporting period between 01-April-2022 to 31-March-2023.

The project proponent contracted EKI International LLC, but this other entity has been removed. Clean Energy Asia LLC was responsible for all project information and monitoring during the reporting period.

Table 2: Technical parameters of the wind turbine generators

Rated capacity	2.0 MW	Total capacity	50 MW
Impeller diameter	110 m	Swept area	9503 m ²
Cut-in wind speed	3 m/s	Re-cut-in wind speed	18 m/s
Cut-out wind speed	20 m/s	Generator type	4-pole (50Hz)/6-pole (60Hz) doubly fed generator, slip rings
Tower type	Tubular steel tower	Manufacturer	Vestas
Designated lifetime	20 years	Tower hub height	80 meters

3.2 Deviations

3.2.1 Methodology Deviations

No methodology deviations occurred during the reporting period.

3.2.2 Project Description Deviations

No project description deviations occurred during the reporting period.

3.3 Grouped Projects

The project is not a grouped project.

3.4 Baseline Reassessment

Did the project undergo baseline reassessment during the monitoring period?

☐ Yes ☒ No

4 DATA AND PARAMETERS

4.1 Data and Parameters Available at Validation

Data / Parameter	EF _{grid, CM, y}
Data unit	tCO ₂ /MWh
Description	Combined Margin CO ₂ emission factor in year y

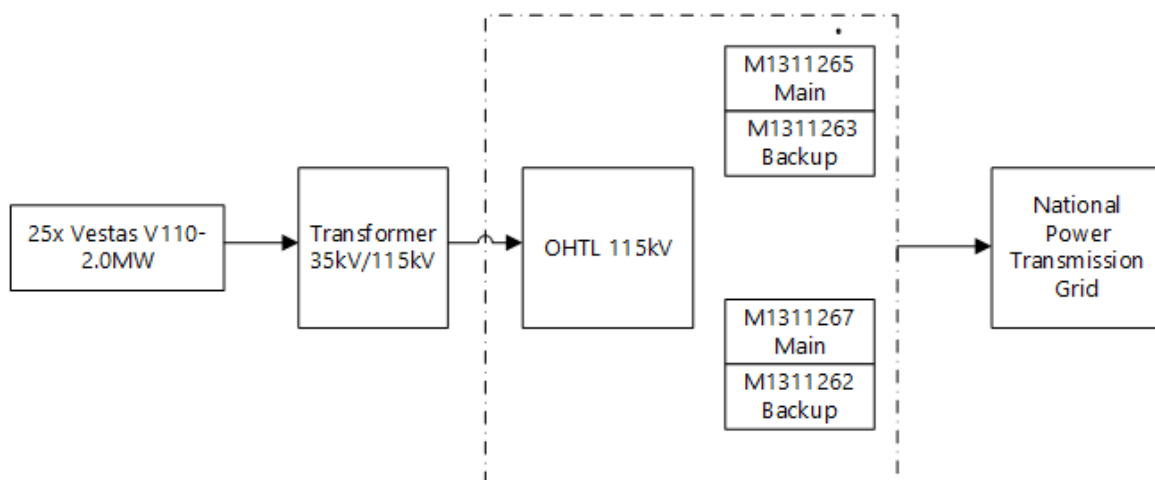
4.2 Data and Parameters Monitored

⁴ “Standardized baseline: Grid emission factor for Mongolia’s national electricity grid”, 2018, https://cdm.unfccc.int/sunsetcms/storage/contents/stored-file-20180718120947843/ASB0039-2018_PSB0041.pdf

	substation No1				Metrology 54520	
	Main export/import meter at Tavantolgoi substation No2	A1802 RAL-P4GB-DW-4	13112 65	19-July-2017	Mongolian Agency for Standardization and Metrology 54524	18-July-2025
	Backup export/import meter at Tavantolgoi substation No1	A1805 RAL-P4GB-DW-4	13112 63	19-July-2017	Mongolian Agency for Standardization and Metrology 54519	18-July-2025
	Backup export/import meter at Tavantolgoi substation No2	A1805 RAL-P4GB-DW-4	13112 62	19-July-2017	Mongolian Agency for Standardization and Metrology 54522	18-July-2025
QA/QC procedures to be applied		The meters are calibrated after 8 years as per the Mongolian national standard.				
Purpose of the data		Calculation of baseline emissions				
Calculation method		Measured directly by electricity meter. The exact data were the electricity delivered to the national power grid minus the electricity supplied by the power grid. The data were measured continuously, recorded hourly, and monthly aggregated. Electricity export – 175,314.9 MWh Electricity import – 165.9 MWh Net electricity export = Electricity export – Electricity import = 175,314.9 – 165.9 = 175,149.0 MWh				
Comments		N/A				

4.3 Monitoring Plan

Clean Energy Asia LLC carries out a monitoring plan designed to achieve complete, consistent, clear, and accurate monitoring and calculation of the project emission reductions throughout the entire crediting period. As the project owner, Clean Energy Asia LLC is responsible for implementing the monitoring process and cooperating with the National Power Transmission Grid. The energy meters' location is described in the following diagram.



Clean Energy Asia has assigned a VCS team to monitor the project emission reductions. The VCS team is responsible for collecting, monitoring, and verifying the data. In addition, independent internal auditors were assigned in 2022 to ensure our processes comply with ISO9001:2015 Quality Management System requirements. The operation and management structure is shown in Figure 1.

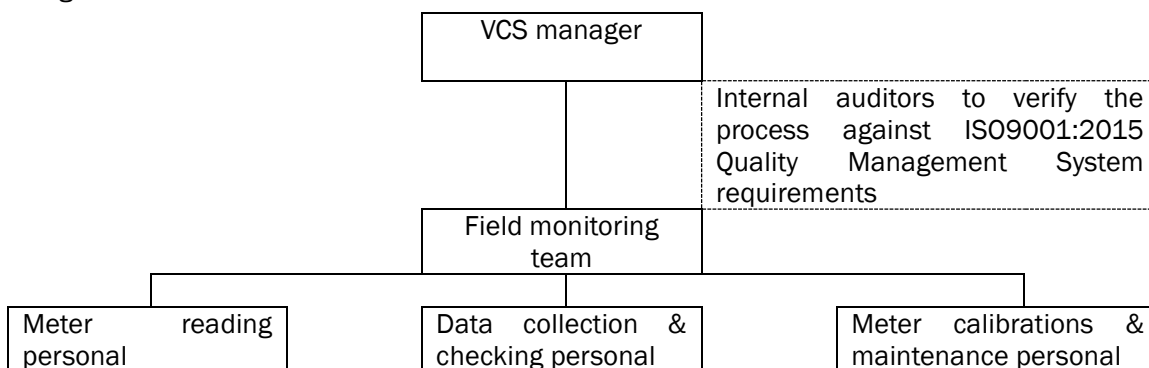


Figure 1. Structure of the monitoring team

The power generated by the project is delivered to the National Power Transmission Grid through the 110kV overhead transmission line. Bi-directional electricity meters have been installed on the transform substation to directly and continuously measure the feed-in and down-load electricity by the project activity. The accuracy of the monitoring meter(s) is 0.2s.

The measuring method is conservative and has not affected the additionality of the project, hence the power delivered to the national grid by the project is calculated as “EG facility, y = EG export, y – EG import, y” during the monitoring period.

The electric meters are calibrated by an accredited agency called the Mongolian Agency for Standardization and Metrology. The calibration is required every 8 years according to the national standard.

In addition to the project quality assurance and quality control carried out by the monitoring team, the project proponent established independent internal auditors as per ISO9001:2015 Quality Management System to check whether our monitoring process is correct or calibrations are carried out as per the national standard on a bi-annual basis. During the internal audit, no nonconformities were identified.

5 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

5.1 Baseline Emissions

According to the approved consolidated Methodology ACM002 (version 19.0) Clause 5.5 Baseline emissions:

Baseline emissions include only CO₂ emissions from electricity generation in fossil fuel-fired power plants that are displaced due to the project activity. The methodology assumes that all project electricity generation above baseline levels would have been generated by existing grid-connected power plants and the addition of new grid-connected power plants. The baseline emissions are to be calculated as follows:

$$BE_y = EG_{PJ, y} \times EF_{grid, CM, y}$$

Where:

BE_y = Baseline emissions in year y (tCO₂/yr)

$EG_{PJ, y}$ = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y (MWh/yr)

$EF_{grid, CM, y}$ = Combined margin CO₂ emission factor for grid-connected power generation in year y calculated using TOOL07 (tCO₂/MWh)

The calculation of $EG_{PJ, y}$ is different for (a) greenfield plants, (b) retrofits and replacements, and (c) capacity additions. The project activity is the installation of a new grid-connected renewable power plant/unit at a site where no renewable power plant was operated prior to the implementation of the project activity, then:

$$EG_{PJ, y} = EG_{facility, y}$$

Where:

$EG_{PJ, y}$ = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the VCS project activity in year y (MWh/yr)

$EG_{\text{facility}, y}$ = Quantity of net electricity generation supplied by the project plant/unit to the grid in year y (MWh/yr)

$$EG_{\text{facility}, y} = 0.871 \text{ tCO}_2/\text{GWh}$$

Therefore:

$$BE_y = EG_{PJ, y} \times EF_{\text{grid}, CM, y} = EG_{\text{facility}, y} \times EF_{\text{grid}, CM, y}$$

$$BE_y = 175,149.0 \text{ MWh} \times 0.871 \text{ tCO}_2\text{e}/\text{MWh} = 152,550 \text{ tCO}_2\text{e}$$

From	To	Electricity export to grid, MWh ($EG_{\text{export}, y}$)	Electricity import from grid, MWh ($EG_{\text{import}, y}$)	Net electricity export, MWh ($EG_{\text{facility}, y}$)
01-April-2022	30-April-2022	16,558	8.7	16,549
01-May-2022	31-May-2022	14,354	13.7	14,341
01-June-2022	30-June-2022	13,595	9.2	13,586
01-July-2022	31-July-2022	13,354	11.2	13,342
01-August-2022	31-August-2022	14,239	15.0	14,224
01-September-2022	30-September-2022	12,922	8.1	12,913
01-October-2022	31-October-2022	14,798	21.8	14,776
01-November-2022	30-November-2022	16,567	16.2	16,550
01-December-2022	31-December-2022	19,471	11.3	19,460
01-January-2023	31-January-2023	16,851	10.9	16,839
01-February-2023	28-February-2023	10,081	22.1	10,059
01-March-2023	31-March-2023	12,525	17.8	12,508

5.2 Project Emissions

The project activity is the installation of a new grid-connected wind power plant. It does not involve any project emissions from fossil fuel, operation of dry, flash steam, or binary geothermal power plants, and from water reservoirs of hydropower plants. Therefore, $PEFF, y$, $PEGP, y$, $PEHP, y$ are equal to zero; thus, $PE_y = 0$.

5.3 Leakage Emissions

No other leakage emissions are considered. The emissions that could potentially arise from activities such as the construction of power plants and upstream emissions from the use of fossil fuels (for example, extraction, processing, transport, etc.) are not considered.

5.4 GHG Emission Reductions and Carbon Dioxide Removals

The GHG emission reductions achieved during the current monitoring period amount to 152,550 tCO₂e. The actual emission reduction during the monitoring period is 13.21% lower than the estimated emission reductions of 175,767 tCO₂e, as per the registered Joint PD & MR. This discrepancy is attributed to variations in wind flow patterns, grid availability, and other parameters beyond the control of the project proponent.

The GHG emission reductions are calculated as follows:

$$ER_y = BE_y - PE_y$$

ER_y = Emission reductions in year y (tCO₂e/yr)

BE_y = Baseline emissions in year y (tCO₂e/yr)

PE_y = Project emissions in year y (tCO₂e/yr)

There, net GHG emission reductions and removals are calculated as follows:

$$ER_y = BE_y - PE_y$$

Quantify the net GHG emissions reductions and removals, summarizing the key results using the table below (not required to assess permanence risk). Specify the breakdown of GHG emission reductions and removals by vintages where the intent is to issue each vintage separately in the Verra Registry.

Vintage period	Baseline emissions (tCO ₂ e)	Project emissions (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Reduction VCU (tCO ₂ e)	Removal VCU (tCO ₂ e)	Total VCUs (tCO ₂ e)
Year 2022 (01-April-2022 to 31-December-2022)	118,228	0	0	118,228	0	118,228
Year 2023 (01-January-2023 to 31-March - 2023)	34,322	0	0	34,322	0	34,322
Total	152,550	0	0	152,550	0	152,550

The ex-ante GHG emission reductions, along with the achieved reductions and removals during the monitoring period are presented in the table below.

Vintage period	Ex-ante estimated reductions/removals	Achieved reductions/removals	Percent difference	Explanation for the difference
Year 2022 (01-April-2022 to 31-December-2022)	131,825 tCO ₂ e	118,228 tCO ₂ e	10.31% lower than the estimated ER for 8 months	The discrepancy is attributed to variations in wind flow patterns and the National Power Transmission Grid's unavailability
Year 2023 (01-January-2023 to 31-March -2023)	43,942 tCO ₂ e	34,322 tCO ₂ e	21.89% lower than the estimated ER for 3 months	The discrepancy is attributed to variations in wind flow and the National Power Transmission Grid's unavailability
Total	175,767 tCO₂e	152,550 tCO₂e	13.21% lower than the estimated total ER	

APPENDIX 1: COMMERCIALLY SENSITIVE INFORMATION

Section	Information	Justification
NA	NA	No commercially sensitive information has been included in this report.

APPENDIX 2: MAJOR BREAKDOWN DETAILS

From (DD-Month-YYYY, Hrs:Min: Sec)	To (DD-Month-YYYY, Hrs:Min: Sec)	Breakdown Hrs (Hrs:Min: Sec)	Break-down remark	Turbine no.
09-March-2023 8:31:45 PM	11-March-2023 15:05:00PM	42:34:04	WTG frequency error 1: 0.55Hz	WTG02
09-March-2023 8:31:45 PM	11-March-2023 11:04:52 PM	50:33:07	NPTG unavailability	WTG01
09-March-2023 8:31:45 PM	11-March-2023 15:47:20 PM	43:15:35	NPTG unavailability	WTG03
09-March-2023 8:31:45 PM	11-March-2023 17:01:49 PM	44:30:04	NPTG unavailability	WTG04
09-March-2023 8:31:45 PM	11-March-2023 15:48:10 PM	43:16:25	NPTG unavailability	WTG05
09-March-2023 8:31:45 PM	11-March-2023 15:27:05 PM	42:55:20	NPTG unavailability	WTG06
09-March-2023 8:31:45 PM	11-March-2023 16:43:18 PM	44:11:30	NPTG unavailability	WTG07
09-March-2023 8:31:45 PM	11-March-2023 15:13:35 PM	42:41:50	NPTG unavailability	WTG08
09-March-2023 8:31:45 PM	11-March-2023 22:28:55 PM	49:57:10	NPTG unavailability	WTG09
09-March-2023 8:31:45 PM	11-March-2023 17:43:16 PM	45:11:30	NPTG unavailability	WTG10
09-March-2023 8:31:45 PM	11-March-2023 15:23:10 PM	42:51:25	NPTG unavailability	WTG11
09-March-2023 8:31:45 PM	11-March-2023 21:47:52 PM	49:16:07	NPTG unavailability	WTG12
09-March-2023 8:31:45 PM	11-March-2023 17:50:41 PM	45:18:56	NPTG unavailability	WTG13
09-March-2023 8:31:45 PM	11-March-2023 14:58:47 PM	42:27:02	NPTG unavailability	WTG14
09-March-2023 8:31:45 PM	11-March-2023 15:32:33 PM	43:00:48	NPTG unavailability	WTG15
09-March-2023 8:31:45 PM	11-March-2023 22:45:52 PM	50:14:07	NPTG unavailability	WTG16
09-March-2023 8:31:45 PM	11-March-2023 15:56:09 PM	43:24:24	NPTG unavailability	WTG17
09-March-2023 8:31:45 PM	11-March-2023 17:55:41 PM	45:23:56	NPTG unavailability	WTG18

From (DD-Month-YYYY, Hrs:Min: Sec)	To (DD-Month-YYYY, Hrs:Min: Sec)	Breakdown Hrs (Hrs:Min: Sec)	Break-down remark	Turbine no.
09-March-2023 8:31:45 PM	11-March-2023 16:46:55 PM	44:15:10	NPTG unavailability	WTG19
09-March-2023 8:31:45 PM	11-March-2023 17:09:50 PM	44:38:05	NPTG unavailability	WTG20
09-March-2023 20:31:00	11-March-2023 15:48:00	43:17:14	NPTG unavailability	WTG21
09-March-2023 20:31:00	11-March-2023 19:51:00	47:19:40	NPTG unavailability	WTG22
09-March-2023 20:31:00	11-March-2023 15:45:00	43:14:14	NPTG unavailability	WTG23
9-January-2023 11:42:00	21-February-2023 8:10:00	1028:27:48	NPTG unavailability	WTG24
9-March-2023 20:36:00	11-March-2023 16:29:00	43:53:34	NPTG unavailability	WTG24
9-March-2023 20:31:00	11-March-2023 18:08:00	45:36:27	NPTG unavailability	WTG25
15-May-2022 7:01:00	19-May-2022 19:00:00	107:59:32	NPTG unavailability	WTG01
15-May-2022 7:01:00	19-May-2022 18:59:00	107:58:11	NPTG unavailability	WTG02
15-May-2022 7:01:00	19-May-2022 18:53:00	107:51:39	NPTG unavailability	WTG03
15-May-2022 7:01:00	19-May-2022 18:54:00	107:53:04	NPTG unavailability	WTG04
15-May-2022 7:01:00	19-May-2022 19:00:01	107:58:33	NPTG unavailability	WTG05
15-May-2022 7:01:00	19-May-2022 19:55:00	108:54:10	NPTG unavailability	WTG06
15-May-2022 7:01:00	19-May-2022 18:53:00	107:51:51	NPTG unavailability	WTG07
15-May-2022 7:01:00	19-May-2022 19:08:00	108:06:22	NPTG unavailability	WTG08
15-May-2022 7:01:00	19-May-2022 19:56:00	108:54:18	NPTG unavailability	WTG09
15-May-2022 7:01:00	19-May-2022 19:45:00	108:43:20	NPTG unavailability	WTG10
15-May-2022 7:01:00	19-May-2022 19:00:01	107:58:18	NPTG unavailability	WTG11

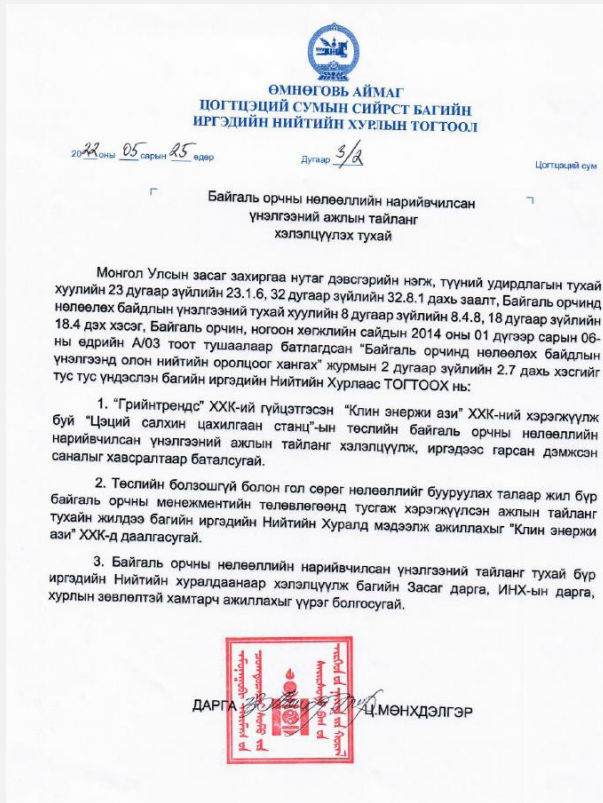
15-May-2022 7:01:00	19-May-2022 18:49:00	107:47:17	NPTG unavailability	WTG12
15-May-2022 7:01:00	19-May-2022 19:04:00	108:02:56	NPTG unavailability	WTG13
15-May-2022 7:02:00	19-May-2022 18:24:00	107:22:00	NPTG unavailability	WTG14
15-May-2022 7:02:00	19-May-2022 18:55:00	107:53:33	NPTG unavailability	WTG15
15-May-2022 7:02:00	19-May-2022 18:57:00	107:55:22	NPTG unavailability	WTG16
15-May-2022 7:02:00	19-May-2022 21:54:00	110:52:23	NPTG unavailability	WTG17
15-May-2022 7:02:00	19-May-2022 19:20:00	108:18:02	NPTG unavailability	WTG18
15-May-2022 7:02:00	19-May-2022 19:22:00	108:20:06	NPTG unavailability	WTG19
15-May-2022 7:02:00	19-May-2022 10:09:00	123:07:28	NPTG unavailability	WTG20
15-May-2022 7:02:00	19-May-2022 19:11:00	108:08:48	NPTG unavailability	WTG21
15-May-2022 7:02:00	19-May-2022 18:42:00	107:40:11	NPTG unavailability	WTG22
15-May-2022 7:02:00	19-May-2022 18:26:00	107:24:11	NPTG unavailability	WTG23
15-May-2022 7:02:00	19-May-2022 18:38:00	107:35:33	NPTG unavailability	WTG24
15-May-2022 7:02:00	19-May-2022 18:41:00	107:38:26	NPTG unavailability	WTG25

APPENDIX 3: EVIDENCE OF SDG CONTRIBUTIONS

SDG indicator	Pictures and records
4.3.1. Participation rate of youth and adults in formal and non-formal education and training in the previous 12 months	The project provided scholarships to 5 local students from herder families below the average poverty line and supported the university participation rate of the project implementing territory. The project supported a total of 27 local students to attend higher-degree universities during the project implementation period. 
7.2.1. Renewable energy shares in the total final energy consumption	The project delivered 175,149.0 MWh renewable electricity to the central power grid during the reporting period, increasing the renewable energy share in the energy consumption. The total delivered electricity is documented in Energy invoices.
13.0. Tonnes of greenhouse gas emissions avoided	Avoided the release of 152,550 tonnes of CO₂e emission into the atmosphere during the current monitoring period between 01-April-2022 and 31-March-2023. This can be identified from our monitoring sheet and electricity invoices during the monitoring period.

APPENDIX 4: DOCUMENTS RELATED TO ONGOING CONSULTATION

Dates	Pictures and records
05-April-2022	The project proponent met with the local Government representative and Children's Checker Club teacher, introduced the project activity, and community grievance forms, and handed over its support to the local Children's Checker Club. This information was subsequently posted on the Tsogtsetsii Soum's Citizens Representative Khural's public Facebook page.   Өмнөговь аймгийн Цогтцэций сумын Иргэдийн Төлөөлөгчдийн хурал 2022 оны 4-р сарын 6 Улаанбаатар хотод зохион байгуулагдаж байгаа өсвөрийн улсын аварга шалгаруулах 100 бүлэглэл даамны тэмцээнд Цогтцэций сумын Г.Борхүү багштай "Их Шянг" даамны клубын тамирчид оролцож байна. Тус тэмцээнээс А.Өсөмбаяр хүрэл медаль хүртэж Дэлхийн болон Азийн чанартай тэмцээнд оролцох эрх авч тус клубын 4 тамирчин шинээр спортын зэрэг авсан гэх мэт амжилттай тэмцээн үргэлжилж байна. Сум орон нутагтай байгуулсан саналж бичгийн хурээнд дээрх тэмцээнд явах зардлыг ивээн тэтгэсэн "Клин Энержи Ази" ХХК-ийг удирдлага, хамт олонд тэмцээнд оролцож байгаа нийт тамирчдынхаа өмнөөс талархал илэрхийлж.

Dates	Pictures and records
25-May-2022	Conducted a meeting with the Citizens Representative Khural members in Tsogtsetsii Soum, where we introduced project activity, its environmental impacts, grievance redress mechanism, and emission reduction contributions. We obtained consent from the local Citizens Representative Khural members regarding the approval of our Renewed Environmental Impact Assessment and associated Mitigation Measures. 
27-May-2022	The project proponent representative visited the local herders /3/ herder families were present at the time), provided project operation, and distributed grievance forms. No grievances were recorded. 

Dates

Pictures and records

24-January-2023

Met with a total of 25 local people with disability and 25 local elderly citizens of Tsogtsetsii Soum, communicated our project operation, introduced its environmental benefits, and donated support for their Lunar New Year celebration.

СИЙРСТ БАГИЙН ЗОРИЛТОТ ӨРХ, ХӨГЖЛИЙН
БЭРХШЭЭЛТЭЙ ИРГЭДИЙН НЭРСИЙН ЖАГСААЛТ

№	Овог	Нэр	Тайлбар
1	Хүү	Өлзийбаатар	Хөгжлийн бэрхшээлтэй
2	Өндөрхүү	Отгонбаатар	Хөгжлийн бэрхшээлтэй
3	Энхтөр	Шинэбаатар	Хөгжлийн бэрхшээлтэй
4	Сумъяа	Даяндорж	Хөгжлийн бэрхшээлтэй
5	Чингүүнжав	Өнө-Орших	Хөгжлийн бэрхшээлтэй
6	Түвд	Цэвэлмаа	Өрх толгойлсон эмэгтэй
7	Өлзийсайхан	Дэлгэрсайхан	Өрх толгойлсон эмэгтэй
8	Мяндааа	Туяажаргал	Өрх толгойлсон эмэгтэй
9	Гээмэл	Цэвэлмаа	Өрх толгойлсон эмэгтэй
10	Ханджаргал	Анхцэцэг	Өрх толгойлсон эмэгтэй
11	Цэрэнбазар	Мөнгөнцэрлал	Өрх толгойлсон эмэгтэй
12	Энхсайхан	Алтанзул	Өрх толгойлсон эмэгтэй
13	Баяраа	Ургамалцэцэг	Өрх толгойлсон эмэгтэй
14	Сумаа	Бямбасүрэн	Өрх толгойлсон эмэгтэй
15	Цогтбазар	Наранчимэг	Өрх толгойлсон эмэгтэй
16	Нансал	Мөнхтуул	Өрх толгойлсон эмэгтэй
17	Шовсдор	Чулуунцэцэг	Өрх толгойлсон эмэгтэй
18	Энхтайван	Эрдэнэделгөөн	Зорилтот бүлгийн өрх
19	Цэдэнсодном	Өлзийсуур	Зорилтот бүлгийн өрх
20	Дэлгэр	Пүрэвжав	Зорилтот бүлгийн өрх
21	Уртнасан	Мөнхнасан	Зорилтот бүлгийн өрх
22	Буянхүү	Од-Эрдэнэ	Зорилтот бүлгийн өрх
23	Түмэнжаргал	Баатарчулуун	Зорилтот бүлгийн өрх
24	Доржсүрэн	Энхболд	Зорилтот бүлгийн өрх
25	Нэргүй	Шинэхүү	Зорилтот бүлгийн өрх

СИЙРСТ БАГИЙН ӨНДӨР НАСТАН ИРГЭДИЙН НЭРСИЙН ЖАГСААЛТ

№	Овог, нэр	Нас	Хүйс
1	БАЯНЖАРГАЛ ЭРДЭНЭЧУЛУУ	70	Эр
2	БОР ХОРЛОО	89	Эр
3	БУЯНТ СУМЬЯА	69	Эр
4	ДАШЦОО ЖАНЧИВ	80	Эр
5	ДАШЦЭРЭН ЭЛБЭГ	69	Эм
6	НАНЖМАА ЦЭНД	72	Эм
7	ПУНЦАГДАРЖАА СОСОРБУРАМ	71	Эм
8	СОДНОМ ЦЭНДОО	75	Эр
9	СОСОРБУРАМ ХҮҮХЭН	78	Эм
10	СУМЬЯА БҮЛЭГ	82	Эм
11	СЭРЖИМЯДАГ СОДНОМДОРЖ	72	Эр
12	СЭРЭЭ БАТМӨНХ	75	Эм
13	ХАЛТАР СУГИР	73	Эр
14	ХУРГА ШООВДОР	82	Эм
15	ХҮҮ ДОЛГОРЖАВ	72	Эм
16	ЦЭДЭНСОДНОМ ЖАМСРАН	82	Эр
17	ЦЭБ НАРАНЦЭЦЭГ	71	Эм
18	ЦЭНХҮҮ АМАРБАЯСГАЛАН	81	Эм
19	ЦЭМБЭЛДОРЖ МАНДАРВАА	70	Эм
20	ЦЭНДЖАРГАЛ ДОРЖСҮРЭН	80	Эр
21	ЦЭРЭНДУЛАМ СҮХӨЛЗИЙ	77	Эр
22	ЦЭРЭНПЭЛ УРТНАСАН	79	Эм
23	ЦЭЭНЭЭН ХҮҮХЭН	79	Эм
24	ШАР ЛЕНИН	81	Эр
25	ЭРДЭНЭ ЧАНЦАЛ	85	Эм

APPENDIX 5: DOCUMENTS RELATED TO ISO 9001:2015, ISO 45001:2018, AND ISO 14001:2015 CERTIFICATION