

MEETING SUMMARY

PROJECT KICK-OFF MEETING

Enhance Vanuatu's Market for Energy Efficient Appliances

3 March 2022, 1.30 – 2.30 pm (Vanuatu Time), Digital Platform



Accepted and approved for payment
Bangkok, 12 September 2022

Clara Landeiro
Regional Manager, Asia-Pacific

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Introduction

The “*Enhance Vanuatu’s Market for Energy Efficient Appliances*” project is funded by the Green Climate Fund (GCF) through the Climate Technology Centre and Network (CTCN). This technical assistance (TA) project aims to support accelerating the transition to energy-efficient appliances through 1) improvement of the recently introduced standards and labelling programme for electrical appliances; 2) introduction of MV&E activities and a product registration system; and 3) introduction of financial mechanisms.

The project kick-off meeting was held on March 3, 2022, as an online meeting. The kick-off meeting aimed at informing relevant stakeholders on the project work plan and activities, as well as discussing and agreeing upon the way forward. In the meeting, the participants were informed of the overview, objectives, and activities of the project. The presentation was given and followed by a discussion with the stakeholders on the next steps to be taken and issues for consideration (see Annex 2 and Annex 4 – List of Participants and Presentation).

Below, the summary of the meeting and main discussion points are captured.

Summary of Meeting

1. Welcome and Introduction

Ms. Clara Landeiro, Regional Manager, Asia-Pacific, CTCN, welcomed participants and opened the meeting. She highlighted that the technical assistance for this project was requested by the Department of Energy (DOE) through the CTCN National Designated Entity (NDE) in Vanuatu, i.e. Ministry of Climate Change Adaptation, Meteorology & Geo-Hazards, Environment, Energy and Disaster Management. This technical assistance will support the introduction of comprehensive monitoring, evaluation, and enforcement (MV&E) plan as well as targeted financial mechanisms to accelerate the uptake of energy-efficient appliances in Vanuatu. This project will enable achieving targeted energy savings and support commitment to reducing greenhouse gas emissions through energy efficiency measures.

2. Overview of Project Objectives & Implementation

Mr. Sommai Phon-Amnuaisuk, Project Coordinator, briefly introduced the consultant, the International Institute for Energy Conservation (IIEC), IIEC’s experience in standards and labeling programs, and the consultant team members. He described the main objectives of the “*Enhance Vanuatu’s Market for Energy Efficient Appliances*” project as follows:

- To conduct a comprehensive market and policy analysis for higher efficiency refrigerators, freezers, air conditioners (ACs), and lighting products.
- To assess and upgrade the existing Vanuatu Electronic Single Window (VeSW) registration system and develop an MV&E plan.
- To develop financing mechanisms for the incentivization towards the purchase of energy-efficient appliances

Implementation of the project will be carried out through the following 5 main tasks.

- Task 1 - Development of implementation planning and communication documents
- Task 2 - Comprehensive market and policy analysis for higher efficiency refrigerators, freezers, air conditioners, and lighting products

- Task 3 - Assessment and upgrade of the existing Vanuatu Electronic Single Window (VeSW) registration system and development of an MV&E plan
- Task 4 - Development of financing mechanisms for the incentivization towards the purchase of energy-efficient appliances
- Task 5 – Project closure

All the activities, timeline, and deliverables for the completion of the project were explained and summarized below.

Table 1: Summary of Project Implementation Approach

Task 1 - Development of implementation planning and communication documents (January – February 2022)	
Activity: 1.1: Preparation of Implementation Plan 1.2: Preparation of Monitoring and Evaluation Plan 1.3: Preparation of Impact Description Document 1.4: Preparation of Closure and Data Collection Report	Deliverable: 1.1 Detailed work plan 1.2 Monitoring and evaluation plan 1.3 CTCN impact description 1.4 Closure and data collection report
Task 2 - Comprehensive market and policy analysis for higher efficiency refrigerators, freezers, air conditioners, and lighting products (February – May 2022)	
Activity: 2.1: Kick-off meeting 2.2: Detailed market assessment for refrigerators, freezers, air conditioners, lighting products, TVs, and clothes washers 2.3: Analysis of the existing standards and labelling program for energy-efficient appliances 2.4: Recommendations for the improvement of the existing standards and labelling program	Deliverable: 2.1: Kick-off meeting report 2.2: Market assessment 2.3: Evaluation report 2.4: Recommendations for the program improvement
Task 3 - Assessment and upgrade of the existing Vanuatu Electronic Single Window (VeSW) registration system and development of an MV&E plan (April – September 2022)	
Activity: 3.1: Development of an MV&E plan 3.2: Assessment and upgrade of the existing VeSW product registration system 3.3: Design of a training curriculum for Customs officials 3.4: Delivery of a Training of Trainers program	Deliverable: 3.1: MV&E Plan 3.2: Product registry system 3.3: Training curriculum and material 3.4: Training report
Task 4 - Development of financing mechanisms for the incentivization towards the purchase of energy-efficient appliances (July – November 2022)	
Activity: 4.1: Identification of options for national financing mechanisms 4.2: Financing mechanisms consultation workshop 4.3: Design of selected financial mechanism(s) and related implementation plan	Deliverable: 4.1: Report on national financing mechanism options 4.2: Workshop report including 3 financing schemes for implementation 4.3: Recommendations on the design of and implementation of 3 selected financing schemes
Task 5 - Project closure (December 2022)	
Activity: 5.1: Closure meeting	Deliverable: 5.1: Meeting report and presentation

3. Roles of Vanuatu Stakeholders

Roles of Vanuatu stakeholders in standard and labeling program implementation were presented to explain linkages between project activities and expected collaboration from stakeholders, as summarized in the table below:

Table 2: Expected Collaboration from Stakeholders in each Task

	Task 2: Comprehensive market and policy analysis for higher efficiency refrigerators, freezers, ACs, and lighting products	Task 3: Assessment and upgrade of the existing VeSW system and development of an MV&E plan	Task 4: Development of financing mechanisms
Department of Energy (DOE)	<ul style="list-style-type: none"> • Provision of information on the overall implementation status of the S&L Program, and available data to estimate the program impact • Participation in household and retailer surveys 	<ul style="list-style-type: none"> • Provision of information on the detailed product certification under the S&L program, current plan on monitoring, verification, and enforcement (MV&E) • Provision of review and comment for the MV&E plan developed by the project • Participation in the training program on product registration and MV&E implemented by the project 	<ul style="list-style-type: none"> • Participation in the discussion and evaluation of the National Green Energy Fund (NGEF) to support the development and operationalization of financial mechanisms
Customs Officials	<ul style="list-style-type: none"> • Provision of information on how Customs officials approve the importation of certified energy-efficient appliances • Provision of comments/suggestions on possible improvements for the importation of certified energy-efficient appliances 	<ul style="list-style-type: none"> • Provision of information on utilization of the VeSW system to import certified energy-efficient appliances • Provision of remote access to the existing VeSW registration system • Participation in the training program on product registration and MV&E implemented by the project 	
Distributors/Retailers	<ul style="list-style-type: none"> • Provision of information and coordination supports during the retailer surveys to assess S&L program awareness and the appliance market 	<ul style="list-style-type: none"> • Participation in the training program on product registration and MV&E implemented by the project 	<ul style="list-style-type: none"> • Provision of comments on financial mechanisms developed by the project

	Task 2: Comprehensive market and policy analysis for higher efficiency refrigerators, freezers, ACs, and lighting products	Task 3: Assessment and upgrade of the existing VeSW system and development of an MV&E plan	Task 4: Development of financing mechanisms
Ministry of Finance (MOF)			<ul style="list-style-type: none"> Participating in consultation meetings/workshops to discuss and comment on possible financing mechanisms
Department of Environmental Protection and Conservation (DEPC), Ozone Unit	<ul style="list-style-type: none"> Provision of information, review, and comments on certified energy-efficient appliances and lighting products which are relevant to international agreements (e.g., Kigali Amendment on low GWP refrigerant for air conditioners, and Minamata Convention on mercury) 		

4. Priority Actions and Work Plan

The following priority actions planned for March and April 2022 were described:

- Small-scale household surveys
- Retailer surveys
- Detailed market assessment for refrigerators, freezers, air conditioners, lighting products, TVs, and Cloth Washers
- Analysis of the existing S&L program for energy efficient appliances

5. Conclusions and Next Steps

- **Small-scale household surveys** – The Department of Energy (DOE) will confirm whether they want to accompany with a local consultant to conduct a field household survey.
- **Integration of market surveillance into retailer survey** – Adding market surveillance’s point of view into the retailer survey should be considered. Australia is also considering enforcement of the LED energy performance standards, therefore, a survey on the LED market status in Vanuatu should be also considered to integrate with a retailer survey.
- **Mechanisms for effective project implementation** - The workshop discussed the possible establishment of a project implementation/monitoring committee with participation from local stakeholders and how often meetings should take place. Ms. Esline Garaebiti/ NDE – MOCC, agreed to set up a project committee. The DOE will identify a list of committee members. A

monthly meeting for the committee meeting was proposed and initially agreed upon for schedules.

- **Vanuatu's Electronic Single Window (VeSW) System** – A *remote meeting* to discuss a single window system with the Customs Department and *granting VeSW remote access permission* (Energy Efficient Appliance Module) was requested by the project consultant team to understand how the existing system is utilized to manage and monitor the importation of appliances to meet the approved energy performance standards in Vanuatu.
- **Role of the Ozone Unit related to the project** – The project team explained that refrigerant used in the air conditioner and mercury content in fluorescent lamps are relevant to the responsibilities of the Ozone Unit, in which they manage and deliver policies and programs to help Vanuatu respond to international agreements on climate change and environmental commitments, particularly in GHG emission reduction. The Ozone Unit's roles in this project are described in Table 2.
- **Schedule of the training workshop** - The initial schedule of the training workshop expected to organize in September 2022 was proposed in the meeting.

Annex 1: Meeting Agenda



AGENDA

Enhance Vanuatu's Market for Energy Efficient Appliances

PROJECT KICK-OFF MEETING

3 March 2022, 13.30 – 14.30 pm (Vanuatu Time), Digital Platform

The “**Enhance Vanuatu's Market for Energy Efficient Appliances**” project is funded by the Green Climate Fund (GCF) through the Climate Technology Centre and Network (CTCN). This technical assistance (TA) project aims to support *accelerating the transition to energy-efficient appliances* through: 1) improvement of the recently introduced standards and labelling programme for electrical appliances; 2) introduction of MV&E activities and a product registration system; and 3) introduction of financial mechanisms.

The support will be achieved through:

- Conducting a comprehensive market and policy analysis for higher efficiency refrigerators, freezers, air conditioners (ACs), and lighting products.
- Assessing and upgrading the existing Vanuatu Electronic Single Window (VeSW) registration system and developing an MV&E plan.
- Developing financing mechanisms for the incentivization towards the purchase of energy-efficient appliances

The purpose of this meeting is to present the project work plan and activities to the stakeholders and jointly agree on the way forward.

The participants of the kick-off Meeting are representatives from the following organizations:

- **Project Sponsor:** UNFCCC Climate Technology Centre and Network (CTCN)
- **Project Proponent:** Department of Energy
- **National Designated Entity (NDE) to the UNFCCC Technology Mechanism:** Ministry of Climate Change Adaptation, Meteorology, Geo-Hazards, Environment, Energy and Disaster Management
- **Project Team/consultant:** Led by the International Institute for Energy Conservation (IIEC)
- **Key Stakeholders**
 - Ministry of Finance
 - Customs Department
 - PALS Project
 - OZONE Unit
 - Electrical Appliance Stores

3 March 2022	
13.30 – 13.40	Welcome Remark 1. CTCN/NDE 2. Department of Energy
13.40 – 13.50	A round of introduction and online group photo
13.50 – 14.30	Presentation by the Project Consultant Team (International Institute for Energy Conservation) <ul style="list-style-type: none">• Background and Context of Project• Introduction the project/consultant team• Project implementation approach• Role of Stakeholders• Next steps and timing
14.30 – 15.00	Discussion - Potential issues, risks, questions, and concerns

Annex 2: List of Participants

Name	Title	Organization
Matthew Tasale	Acting Director	Department of Energy, Ministry of Climate Change Adaptation, Meteorology, Geo-hazards, Energy, Environment and National Disaster Management
Misel Sisi	Manager Energy Security Unit	Department of Energy, Ministry of Climate Change Adaptation, Meteorology, Geo-hazards, Energy, Environment and National Disaster Management
Willie Obed	Appliance & Labeling Officer	Department of Energy, Ministry of Climate Change Adaptation, Meteorology, Geo-hazards, Energy, Environment and National Disaster Management
Esline Garaebiti (Ms)	Director General	Vanuatu Meteorology and Geo-Hazards Department, Ministry of Climate Change Adaptation, Meteorology & Geo-Hazards, Environment, Energy and Disaster Management
Clara Landeiro (Ms)	Regional Manager, Asia-Pacific	Climate Technology Centre & Network (CTCN)
George Pakoa	Manager	Customs Department
Ricard Patterson	Assistant Ozone Officer	Department of Environmental Protection and Conservation (DEPC), Ministry of Climate Change Adaptation, Meteorology & Geo-Hazards, Environment, Energy and Disaster Management
Tracey Joshua		Wilco
Andre Jahn Ngwai		ASCO Motors
Arbel Lagaroe		Leon Hardware
Mae Aijeletth Corpua		Computer World
E. Roshan Fdc		Rapid Electric
Somma Phon-amnuaisuk	Appliance Expert	International Institute for Energy Conservation (IIEC)
Kullakant Chertchutham (Ms)	National Registry & Database Analyst	International Institute for Energy Conservation (IIEC)
Sopin Wachirapuwadon (Ms)	EE Expert	International Institute for Energy Conservation (IIEC)
Yoshiko De Villa (Ms)	Senior Energy Specialist	International Institute for Energy Conservation (IIEC)
Steven Coyne	MV&E Expert	International Consultant
Gillian Isoardi (Ms)	MV&E & Lighting Specialist	International Consultant
Tony Alvos	Policy Expert	National Consultant
Dorah Wilson (Ms)	Gender Expert	National Consultant

Annex 3: Group Photo from the Meeting



Annex 4: Presentation

The slide features the IIEC logo on the left and the CTCN logo on the right. The title is "Enhance Vanuatu's Market for Energy Efficient Appliances" in bold black text, followed by "Project Kick-off Meeting" in red. Below this, it says "International Institute for Energy Conservation (IIEC)" and "Online Meeting - 3 March 2022". At the bottom, there is a horizontal strip of three images: a person using a laptop, a hand holding a yellow energy-efficient light bulb, and a person opening a washing machine door.

Objective and Presentation Outline

- Objective
 - To inform relevant stakeholders on the project work plan and activities, and to discuss the way forward
- Presentation Outline
 - Project Context
 - Project Consultant Team
 - Project Implementation Approach
 - Key Tasks & Activities
 - Key Deliverables Milestones
 - Roles of Vanuatu Stakeholders
 - Next Steps and Timeline

8/4/2022 2

Project Context

Objectives	Approaches	Scope
<p>To support accelerating the transition to energy efficient appliances through:</p> <ol style="list-style-type: none">1. Improvement of the recently introduced standards and labelling programme2. Introduction of MVSE activities and a product registration system3. Introduction of financial mechanisms	<ul style="list-style-type: none">• Conducting a comprehensive market and policy analysis for higher efficiency refrigerators, freezers, air conditioners (ACs), and lighting products.• Assessing and upgrading the existing Vanuatu Electronic Single Invoice (ESI) registration system and developing an MVSE plan.• Developing financing mechanisms for the incentivisation towards the purchase of energy-efficient appliances.	<ul style="list-style-type: none">• The Project has five main tasks.• Two of which (Task 1 and 5) are for project planning and reporting per CTCN's requirements.• Three of which (Task 2, 3 and 4) correspond with the approaches, i.e., Market and Policy Analysis, MVSE, and Financial Mechanisms.• Additional household and market data will be collected in-field via to supplement desk researches.

Provision of Technical Assistance to Enhance Vanuatu's Market for Energy Efficient Appliances
Duration: 8 Dec 2021 - 7 Dec 2022

8/4/2022 3

Overview of IIEC' Expertise & Services

- IIEC is a non-governmental, not-for-profit organization, with headquarters in Washington DC, established in 1984 to foster the sustainable energy development in developing countries and emerging economies.

- Energy Efficiency
- Demand Side Management
- Distributed Generation & Renewable Energy
- Rural Electrification
- Renewable Energy
- Sustainable Habitat



- Market Studies & Assessment
- Technologies & Pilot / Demonstration Projects
- Policies, Programs, Plans
- Clean Energy Finance
- Communication & Outreach
- Training & Capacity Building

4

Worldwide Experience

- Project experience in more than 50 countries Worldwide
- Clients: Governments, foundations, multilateral development agencies, and private sector.



5

Experience in Standards and Labeling Programs

- IIEC has assisted countries to design and implement S&L programs for appliance and lighting products since 1990s.
- A founding member of the Collaborative Labeling and Appliance Standards Program (CLASP), funded by USAID in 1999, whose mission is to promote S&L.

Relevant S&L Experience in the Pacific

- Feasibility study on S&L in Samoa, Tonga & Vanuatu
- Promoting Energy Efficiency in the Pacific – Phase 2 (PEEP2)
- Development of the Pacific Regional Efficient Lighting Strategy Document for PICTs as part of the Pacific Efficient Lighting Strategy (PELS) Project
- Technical Analysis of Appliance Markets to support the Pacific Appliance Labelling and Standards (PALS) Programme
- S&L Program in Fiji
- Design & implementation of financing mechanisms for high-efficiency ACs in the Pacific

8/1/2023

6

Introduction to Project Consultant Team

INTERNATIONAL



Felix Gooneratne
Policy Expert



Sommal Phon-Amnuaisuk
Appliance Expert & Project Coordinator



Steven Coyne
M&E Expert



Angelica Deallino
Finance Expert



Kullakant Chertthatham (Lee)
National Registry and Database Analyst



Sopin Wachirapawoon
IS Expert
3/1/2022



Sonia Shukla
Finance Expert



Yoshiko De Villa
Senior Energy Specialist



Gillian Isardi
M&E & Lighting Specialist



Tony Alves
Policy Expert



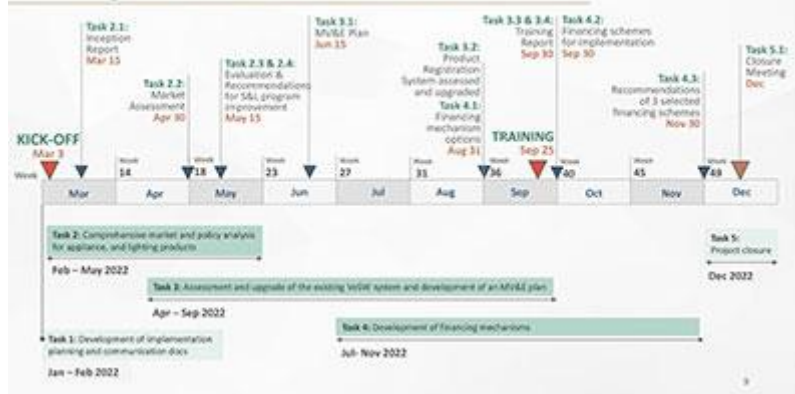
Dorah Wilson
Gender Expert

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Overview of Project Tasks & Activities



Key Deliverable Milestones



Roles of Vanuatu Stakeholders in S&L Programme Implementation



Expected Collaboration from Stakeholders

	Task 2: Comprehensive market and policy analysis for higher efficiency refrigerators, freezers, A/Cs, and lighting products	Task 3: Assessment and upgrade of the existing V&E system and development of an MV&E plan	Task 4: Development of financing mechanisms
Department of Energy (DOE)	<ul style="list-style-type: none"> Provision of information on local implementation status of V&E Program, and available data to estimate the program impact Participation in household and retailer surveys 	<ul style="list-style-type: none"> Provision of information on the current product certification under the V&E program, current plan on monitoring, verification and enforcement (MVE) Provision of input and comment for the MV&E plan developed by the project Participation in the training program on product registration and MVE implemented by the project 	<ul style="list-style-type: none"> Participation in discussion and finalization of the National Green Energy Fund (NGEF) to support development and operationalization of financing mechanisms
Customs Officials	<ul style="list-style-type: none"> Provision of information on how Customs officials inspect/operation of certified energy efficient appliances Provision of comments/suggestions on possible improvements for importation of certified energy efficient appliances 	<ul style="list-style-type: none"> Provision of information on allocation of the V&E system to import certified energy efficient appliances Provision of input and comment for the existing V&E registration system Participation in the training program on product registration and MVE implemented by the project 	
Distributors/Retailers	<ul style="list-style-type: none"> Provision of information and coordination supports during the retailer surveys to assist the program awareness and the appliance market 	<ul style="list-style-type: none"> Participation in the training program on product registration and MVE implemented by the project 	<ul style="list-style-type: none"> Provision of comments on financial mechanisms developed by the project
Ministry of Finance (MOF)			<ul style="list-style-type: none"> Participating in consultation meetings/workshops to discuss and comment on possible financing mechanisms
Department of Environmental Protection and Conservation (DEPC)	<ul style="list-style-type: none"> Provision of information, advice and comments on certified energy efficient appliances and lighting products which are relevant to international agreements, i.e., Royal Arrangements on the Label (RAL) required for air conditioning, and Minimum Conservation Measure 		

8/4/2022 11

Key Activities: Mar - Apr 2022

- Small-scale household surveys
- Retailer surveys
- Detailed market assessment for refrigerators, freezers, air conditioners, lighting products, TVs and Clothes Washers
- Analysis of the existing S&L program for energy efficient appliances

8/4/2022

12

Detailed Market Assessment: Household Survey

Activity 2.1: Detailed market assessment for refrigerators, freezers, air conditioners, and lighting products

- To update ownership and saturation of lighting products and appliances (refrigerators, freezers and air-conditioners) among households
- A minimum of 40 households or around 10-20 households in each tariff category in Port Villa
- Data collected from the survey will be used to analyze:
 - General information of households such as household characteristics, income, etc.
 - Household electrical appliances usage such as types and number of household electrical appliances
 - Household energy consumption behavior including attitudes, knowledge on the energy label and purchasing behavior of electrical appliances

8/4/2022

13

Detailed Market Assessment: Retailer Survey

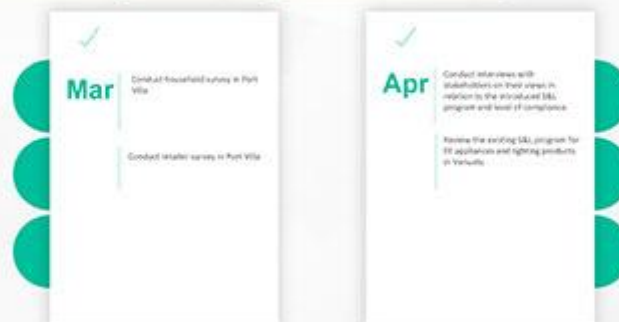
Activity 2.1: Detailed market assessment for refrigerators, freezers, air conditioners, and lighting products

- Electrical appliance retail shops in Port Villa, where local people prefer to purchase household appliances and lighting products
- Data collected from the survey will be used to analyze:
 - Whether retail shops are aware of appliance efficiency S&L program;
 - Availability of products with energy labels, such as refrigerators, air conditioners.
 - How retailers perceive and use energy labels as the marketing tool;
 - Whether the energy label generates positive consumer reactions in terms of understanding, attitude, and intention towards purchasing more energy-efficient appliances and lighting products.
 - Popular type and size, including energy efficiency performance, of the electrical appliance and lighting products currently off the shelves or supplied in the market

8/4/2022

14

Next Steps: Mar–Apr 2022



8/4/2022

15

Open Discussion

- Comments & Suggestions
 - Any changes/adjustments required for the schedule of the training workshop in September 2022?
- Issues for Consideration
 - Mechanisms for effective project implementation, for example possible establishment of a project implementation/monitoring committee with participation from local stakeholders

THANK YOU

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