



PACIFIC CENTRE FOR RENEWABLE ENERGY AND ENERGY EFFICIENCY (PCREEE)

SEVENTH PROGRESS REPORT



PCREEE 8th Steering Committee Meeting, November 2023

Introduction

This Progress Report marks the Seventh Anniversary of the Pacific Centre for Renewable Energy and Energy Efficiency (PCREEE) and is the third report under the Second Operational Phase [SOP 2021-2025].

The PCREEE continues with its mission as an agency to effectively assist member countries in accelerating the transition to low carbon and resilient economies, driven by renewable energy and energy efficient technologies and businesses in the Pacific Island Countries and Territories (PICTs).

Some of the key milestones of the year was the endorsement of the National Certificate on Sustainable Energy Level 3, the completion of national and regional workshops on mini-grids, the production of a regional electric vehicles standards and the operationalization of the MEPSL legislation in Kiribati..

The PCREEE acknowledges the support of its partners and member countries and anticipates ongoing collaboration in advancing integrated coordination for the management of its programmes with the newly adopted Framework for Energy Security and Resilience in the Pacific (FESRIP) 2021 -2030, as well as SPC's Strategic Plan: 2022-2031.

Achievements in our Seventh 12 months

Effective and Efficient Management and Operation

- Launched of the PCREEE's 6th Annual Report and awareness materials
- Completed monthly progress reports and participated in the monthly meetings of the Georesources and Energy Programme's senior leadership team
- Conducted regular updates of the PCREEE website on RE and EE developments in the PICTs and globally.
- Participated at the Start-C study tour and exposure visit at the Institut National De L'Énergie Solaire (INES) facility in France and aimed to learn about the state-of-the-art in solar energy research and innovation, standardization and testing of solar energy components and applications | 13th February – 18th February 2023.
- Recruited of the Star-C Coordinator and housed at the PCREEE office.
- Participated and presented the PCREEE and the e-mobility program to the 5th Pacific Regional Energy and Transport Ministers Meeting, Vanuatu | 8th May – 12th May 2023.
- Participated in the 6th Steering Committee meeting of the Global Network of Sustainable Energy Centers (GN-SEC)
- The two Pacific Islands Energy Professionals completed their 12 months assignment with the PCREEE
- Participated at the Asia Pacific Solar Research Conference (APSRC) 2023, Melbourne Australia | 5th December – 7th December 2023.
- Supported the terminal review of the PCREEE's First Operational Phase which was led by UNIDO. Final report has been submitted, the lessons learned and Reflection Workshop for the PCREEE was virtually held on the 14th November 2023.
- Completed the PCREEE 8th Steering Committee Meeting on the 17th of November 2023.

RE & EE Business Start-up and Entrepreneurship

- Sustainable Energy Certificate Level 3 (Biomass, Hybrid Wind, Solar and Energy Efficiency) was formally approved by the Tonga National Qualification Board to be registered as a national qualification for Tonga in 2023 while the development of Sustainable Energy Level 4 is currently underway.
- Completed the inaugural meeting of the Kiribati Sustainable Energy Association which coincided with a consultation on the Electricity Code of Practices under the Kiribati Energy Act 2022 | 21st July – 25th July 2023
- Supported and facilitated the participation of a representative from the Kiribati Energy Planning Division on a 1-week exposure visit program at the Tonga Electricity Commission in Nuku'alofa, Tonga | 12th – 16th May.
- Successfully delivered a Sustainable Energy Business Start-up Training workshop in Tuvalu | 3rd August 2023.
- Completed a 2-days training workshop in 'Eua as part of the PCREEE Tsunami Recovery Initiatives to Promote Productive Use of Energy in the Tsunami-Affected Communities in Tonga. | 31st October – 1st November 2023.
- Completed the Vanuatu rural electrification project with the Navara Cooperative Society Ltd (NCSL) in September 2023. The evaluation of the project was successfully conducted by the SPC GEM Division – Monitoring, Evaluation and Learning team from 11 March – 14th March 2024. Supported NCSL to present the project to an international conference of energy access in Rwanda. See the [NCSL leaflet](#).
- Supported a preparatory workshop on the development of a diploma qualification on Sustainable Energy for Tonga. It was delivered by the Sustainable Energy Industry Association of the Pacific Islands (SEIAPI) and was conducted with the support of the Solar Technology and Application Resource Centers (STAR-C) program, jointly managed by UNIDO and the International Solar Alliance | 10th April 2024. Link: [PREPARATORY WORKSHOP ON THE DEVELOPMENT OF A DIPLOMA ON SUSTAINABLE ENERGY FOR TONGA | PCREEE](#)



S.E Certificate Level 3 validation meeting and approved registration certificates—Tonga, 2023

Energy Association inaugural meeting—Kiribati, 2023

Achievements—cont.

RE & EE for Sustainable Mobility

- Supported the establishment of the Pacific Island Electric Mobility Working Group (EWG) and successfully convened first meeting of the EWG members in Tonga | 15th May – 16th May 2023.
- Completed a legal assessment of the “potential actions to support e-mobility in Tonga”, in collaboration with the Australian Volunteers International (AVI) and Ashurst Australia.
- Supported a representative each from Fiji, Nauru, Tonga and Tuvalu to participate in the New Zealand Electro Mobility Summit and site visits | 5th September – 6th September 2023.
- Supported the Pacific Regional Infrastructure Facility’s (PRIF) consultant with the development of regional electric vehicles standards – recently published in February 2024.

Sustainable RE Mini-Grid Systems

- Successfully completed the Joint PCREEE – UNIDO – Trama Tecno Ambiental regional Mini-grids hands-on training for the Pacific Islands in Suva, Fiji | 26th June – 30th June 2023.
- Completed the Joint PCREEE- Tuvalu Electricity Corporation national minigrids training in Tuvalu | 4th August 2023.
- Successfully completed the Joint USAID - Arizona State University – PCREEE – GGI and USP regional workshop on Accelerating Clean Energy Transitions and Resilience in Pacific Island Countries in Suva, Fiji | 14th November – 16th November 2023.
- Successfully conducted Joint Infratec-PCREEE training workshop on Business Skills & Productive Use of Energy Training for Community Members in Kotu and ‘O’ua, Ha’apai. | 29th February – 1st March 2024.
- Continued coordinating the ISA-STAR C effort on developing a quality solar infrastructure framework for the PICT.

Energy Efficiency Investment

- Completed a joint PCREEE – IRENA regional capacity building training program on Energy Management and Energy Audit in Nadi, Fiji | 27th February – 3rd March 2024
- Successfully delivered a 3-days MEPSL training in Kiribati and aimed to train the Kiribati Energy Planning Division staffs and Custom Division officers in administering the MEPSL components of the Energy Act 2022 and its regulation in Tarawa, Kiribati | 27th February – 29th February 2023.
- Successfully delivered a refresher training on MEPSL in Funafuti, Tuvalu from 31st July – 2nd August 2023 as well as in Honiara and Noro at the Solomon Islands from 9th to 12th April 2024.
- Successfully conducted coherence review of the Republic of Marshall Islands National Energy Policy, in collaboration with SPC-Nationally Determined Contributions (NDC) in Majuro, Marshall Islands | 18th March – 22nd March 2024.



First meeting of the Pacific EWG—Tonga, 2023



NZ Emobility Summit 2023— New Zealand, 2023



Training workshop on Business Skills & PUE — ‘O’ua, Ha’apai 2024



MEPSL training—Kiribati, 2023



Group meeting with the RMI CCM Group—Marshall Islands, 2024

PCREEE INTERVENTIONS IN THE PACIFIC



Global Network of Sustainable Energy Centres

1. Caribbean Centre for Renewable Energy and Energy Efficiency (CCREEE) - <http://www.ccreee.org/>
2. Centre for Renewable Energy and Energy Efficiency for Central Africa (CEREAC) - <https://www.gn-sec.net/content/centre-renewable-energy-and-energy-efficiency-central-africa-cereac>
3. Clean Energy Centre for ECO region (CECECO) - <https://www.gn-sec.net/cececo>
4. East African Centre for Renewable Energy and Energy Efficiency (EACREEE) - <http://www.eacreee.org/>
5. ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE) - <http://www.ecreee.org/>
6. Latin American Energy Organization (OLADE) - <https://www.olade.org/>
7. Pacific Centre for Renewable Energy and Energy Efficiency (PCREEE) - <http://www.pcreee.org/>
8. Regional Centre for Renewable Energy and Energy Efficiency in the Arab Region (RCREEE) - <http://www.rcreee.org/>
9. Regional Renewable Energy and Energy Efficiency Centre for the Hindukush-Himalaya (REECH) - <https://www.icimod.org/initiative/reeech/>
10. SICA Centre for Renewable Energy and Energy Efficiency (SICREEE) - <https://www.sicreee.org/>
11. South African Centre for Renewable Energy and Energy Efficiency (SACREEE) - <http://www.sacreee.org/>



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