



PACIFIC CENTRE FOR RENEWABLE ENERGY AND ENERGY EFFICIENCY (PCREEE)

8th PROGRESS REPORT

Introduction

This Eighth Progress Report marks a significant milestone in the journey of the Pacific Centre for Renewable Energy and Energy Efficiency (PCREEE)—celebrating eight years since its establishment and serving the fourth report under its Second Operational Phase (SOP 2021–2025).

Over the past eight years, PCREEE has remained steadfast in its mission to assist Pacific Island Countries and Territories (PICTs) in accelerating the just and equitable transition to low-carbon, climate-resilient economies, through renewable energy and energy-efficient technologies and businesses.

During the reporting period, PCREEE achieved several key milestones. These included the successful delivery of national and regional workshops and trainings on mini-grids and the productive use of energy across the PICTs, as well as significant progress in the e-mobility space - including technical assistance to the Cook Islands and Vanuatu, and validation of a regional electric vehicle (EV) standards for the Pacific Islands.

PCREEE also played an active role in regional and international energy dialogues, continued strengthening institutional coordination, and supported the development of sustainable business models to foster clean energy entrepreneurship.

The Centre acknowledges the support of its partners and member countries and looks forward to continued collaboration under the Framework for Energy and Resilience in the Pacific (FESRIP) 2021 – 2030 and SPC’s Strategic Plan 2022 – 2031.

Achievements in our Eighth 12 months

Effective and Efficient Management and Operation

- Launched of the PCREEE’s 7th Annual Report and associated awareness materials on the 7th Anniversary | 27th April 2024
- Participated in the 4th SIDS Conference in Antigua and Barbuda in May 2024.
- Star-C Coordinator resigned on 30th April 2024 and recruited a PA in August 2024.
- Successfully hosting a side-event titled “Accelerating the Energy Transition in the Pacific Island Countries through Regional Competencies & Regulatory Framework” during the Pacific Islands Forum Meeting in Tonga | 29th Thursday, August 2024.
- Facilitated the participation of a representative from Tonga at the Oceania Renewable Power Summit in Auckland, New Zealand | 17 – 18 September 2024
- Participated at the Pacific Regional Senior Official Meeting and delivered a presentation on Minimum Energy Performance Standards and Labelling (MEPSL) and E-mobility | 23 – 27 September 2024.
- Recruited an intern for PCREEE on 14 November 2024 for six months.
- Convened the PCREEE 9th Steering Committee Meeting (virtual) on 23rd of January 2025.
- Participated at the South African Development Community (SADC) Sustainable Energy Week and 7th Steering Committee meeting of the Global Network of Sustainable Energy Centers (GN-SEC) | Republic of Botswana, 24th – 28th February 2025.
- Completed the evaluation for consultant to conduct a Mid Term Evaluation of the PCREEE Business Plan 2020-2030. Expected to start in July /August 2025. Submitted monthly progress reports and actively participated in the monthly meetings of the Georesources and Energy Programme’s senior leadership team
- Regularly updated the PCREEE website on RE and EE developments across the



Figure 1: Group photo after the side-event during 53rd PIFs meeting—Tonga, 2024



Figure 2: Senior Energy Official Meeting—Nadi, Fiji 2024

1. RE & EE Business Start-up and Entrepreneurship

- Supported women in the Tookina Tribal Land Conservation Association (TTLCA) of Solomon Islands and the private sector (Superfly Ltd), by subsidizing the purchase of a solar freezer system for their community | completed 8th August 2024.
- Presented virtually at the Youth Capacity Building Workshop on Renewable Energy and Climate Finance in Nuku'alofa, Tonga | 10 -12 September 2024.
- Co-delivered, in partnership with the Tonga Department of Energy, public lectures on renewable energy, at secondary schools in Vava'u, as well as training on the productive use of energy and mini-grids for residents of four outer islands in Vava'u | 25 – 30 November 2024.
- Co-hosted a virtual conference with the German-New Zealand Chamber of Commerce on “Off-Grid Solutions for the Tourism Industry in the Pacific Islands” | 18 March 2025.
- Supported the Tonga Department of Energy in co-hosting a “Stakeholder Functional Analysis Workshop for the Development of National Certificate Level 4 in Solar Energy, Nuku'alofa Tonga | 9th May 2025.
- Continued to work with CAMCO on the development of the TIDES Facility.

Achievements—cont.



Figure 3: Public lecture program at Vava'u secondary school (Mizba)



Figure 4: TTLCA with their solar freezer system



Figure 5: Functional Analysis Workshop in Tonga



Figure 6: Public lecture program at Vava'u secondary school (Vava'u High)

2. RE & EE for Sustainable Mobility

- Successfully delivered technical assistance to strengthen Cook Islands Te Aponga Uira's e-mobility effort | 10th – 14th June 2024 and started working on a follow-up demonstration project.
- Supported the Tonga Department of Energy with co-hosting National Consultation Workshop on the Policy Framework to Improve Mobility Efficiency and Electrify Transportation in Tonga | 6th – 7th August 2024.
- Completed a legal assessment of potential actions to support e-mobility in Vanuatu, in collaboration with the Australian Volunteers International (AVI) and Ashurst Australia | August 2024
- Successfully delivered technical assistance to Accelerate Energy Transition in Vanuatu with a focus on e-mobility | 9 – 13 September 2024.
- Successfully completed hosting a regional workshop on Electric Vehicle Standards in the Pacific Islands and facilitated the participation of representatives from Cook Is, Fiji, Nauru, Republic of Marshall Islands, Solomon Islands, Tonga, Tuvalu, Vanuatu and the University of the South Pacific at the annual NZ Electro-mobility Summit in Auckland, New Zealand | 14 – 18 October 2024.
- Co-hosted with NREL a virtual training on Electric Vehicles and Charging Infrastructure on Islands | Friday 10th January 2025.
- 3-days regional workshop on the “Electrification of Fiji's Transportation Sector” in Suva, Fiji | 13 – 15 January 2025.



Figure 7: EV stakeholders meeting during the mission to the Cook Islands



Figure 8: Regional workshop on EV standards—Auckland, NZ

Achievements—cont.

3. Sustainable RE Mini-Grid Systems

- Co-hosted a regional workshop with Arizona State of University and UNDP on accelerating Off-grid Electrification in PICTs in Suva, Fiji | 20th – 21st June 2024.
- Supported the convening of the Oceania Renewable Power Summit in Auckland on 17-18 September 2024
- Successfully conducted the following training workshops:
 - * Business Skills & Productive Use of Energy Training with CBS Power Solutions Ltd for Community Members in Vava'u outer islands - Falevai, Hunga, Ofu and 'Otea | 27 – 28 January 2025.
 - * Business Skills & Productive Use of Energy Training with NZ Infratec Ltd for Community Members in Ha'apai Outer Islands – Kotu and Mo'unga'one | 10 - 11 February 2025.
- Participated alongside the SPC Energy Team in the following events:
 - * Transforming Energy Access Delivery Review Workshop and Side Events, London England | 4 – 7 March 2025.
 - * SE4ALL Global Forum 2025, Barbados | 12 – 13 March 2025
 - * CLEARPICs Project Scoping Mission – Solomon Islands 20 – 21 March 2025, Vanuatu 24 – 28 March, 2025 and Papua New Guinea 31 March – 2nd April 2025.
- Continued working on the Vanuatu GCF funding proposal – Leveraging the NGEF to achieve rural electrification in Vanuatu.
- Continued coordinating the ISA-STAR C effort on developing qualification and quality solar infrastructure frameworks and an accredited scheme for the PICT.



Figure 9: Group Discussion during regional mini-grids workshop—Fiji



Figure 10: Group photo—TREP minigrids training in Vava'u



Figure 11: Pacific attendees at the SE4ALL forum—Barbados



Figure 12: Stakeholders one-to-one meeting during the CLEARPICs mission in PNG

4. Energy Efficiency Investment

- Supported the Collaboration between UN ESCAP and the Kiribati Energy Planning Division through capacity building on MEPSL | 18th June 2024.
- Participated in the Solomon Islands National Energy Summit and delivered an intervention on MEPSL within regional context. | 18 – 20 September 2024.
- Co-delivered, in partnership with the Tonga Department of Energy, public lectures on energy efficiency, and e-mobility at secondary schools in Vava'u, as well as training on the productive use of energy and mini-grids for residents of four outer islands in Vava'u | 25 – 30 November 2024.



Figure 13: MEPSL training in Kiribati



Figure 14: Energy Efficiency and Productive use of Energy training in Vava'u, Tonga



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 (CEREEAC) - <https://www.gn-sec.net/content/centre-renewable-energy-and-energy-efficiency-central-africa-cereecac>
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.ccreee.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 (REEECH) - <https://www.icimod.org/initiative/reecch/>
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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