

PCREEE Progress report

**Date of report**: 1st January – 30th June 2021

**1. General overview on the activities conducted and achievements in the reporting period**

**A. Overall progress in the implementation of the annual work plan (later Business Plan):**

The overall progress during the reporting period was generally satisfactory though the delivery was delivery was more affected compared to the last 6 months, due mostly to the COVID-19 pandemic and its impacts on the movement of people and goods across borders. For instance, a planned investment forum and the establishment of a national sustainable industry association in the Solomon Islands was further postponed due to the changed priority and refocussing of government’s effort. A planned training in Samoa on contract management was postponed due to the unavailability of local partners to do the local logistics, etc.

It was a rather slow start for the PCREEE in 2021 in terms of in-country activities. One of our major in-country achievement was the completion of the PCREEE Technical Assistance to the review of Tonga’s Third Electricity Concession Contract. The contract was signed by the Tonga Power Ltd, the Tonga Electricity Commission (Regulator) and the Tonga Government in January. The Contract sets out the agreed tariff variables and parameters for the next five years [2021 – 2025].

A lot of our focus was on preparing for the celebration of the completion of the PCREEE’s First Operational Phase and its 4th Anniversary on 26 April. On this milestone, we launched the PCREEE’s Master Plan 2021 – 2030 and the beginning of the Second Operational Phase (SOP): 2021 - 2025. We also launched the Pacific’s e-mobility programme.

On our resource mobilisation, we endeavoured to have the Contribution Agreement with ADA signed during the PCREEE’s 4th Anniversary Celebration but this was further delayed in order to complete all the required ADA due diligence. We did however managed to formally submit a GCF Simplified Approval Process concept note for USD 10 million with SPC/PCREEE as the Accredited Entity. Initial comments from the GCF have been received and these are currently being reviewed for the resubmission.

PCREEE picked up some in-country activities after the Anniversary celebration, with activities in Tonga, Vanuatu and Papua New Guinea. Planned activities in Samoa and the Solomon Is have been postponed due to a shift in national priorities. **Annex 1** is an update of the PCREEE’s 2021 calendar of events to 30 June 2021.

The European Union’s Pacific Technical and Vocational Education and Training on Sustainable Energy and Climate Change Adaptation (PacTVET) project which, PCREEE assisted to get accredited national qualifications on sustainable energy endorsed to be taught in Tonga, came to an end in December 2020. The PCREEE picked up the costs of continuing to support these qualifications to be actually delivered by the local technical institutes.

As a result of the travel restrictions and border closures due to the pandemic, the activities conducted were done virtually and were done only in countries that were able to provide local in-country coordination. As in the last reporting period, PCREEE encouraged the National Focal Institutions to be more active and responsive and:

* coordinate local events
* send out PCREEE-drafted invitations to local stakeholders
* identify and utilise local expertise as necessary
* book venue and arrange for catering to be paid for by the PCREEE
* find venue with good internet connections and good Bluetooth speakers

More than a 1,000 people participated in PCREEE-related events, as in the Table below:

| **EVENTS** | **PARTICIPANTS** |
| --- | --- |
| **CONSULTATIONS AND LAUNCHES** |  |
| 12 January  Signing of the Tonga Third Electricity Concession Contract: 2021 - 2025 |  |
| 8-9 April  Tonga Energy Road Map (TERM) Plus consultation and development partners meeting | 30 |
| 27 April  PCREEE 4th Anniversary & Joint Launch of the TERM-Plus Framework 2021 – 2035, PCREEE Business Plan 2021 – 2030 & Pacific e-Mobility Programme | 34 |
| **TRAINING WORKSHOPS** |  |
| 19 – 23 April  Barrier Removal for Achieving National energy road map Target of Vanuatu (BRANTV)-PCREEE Renewable Energy and Energy Efficiency Technology Applications Training in Santo, Vanuatu | 20 |
| 28 April  International Solar Alliance - PCREEE Regional RE Webinar: Micro-grids Supporting Resilience in the Pacific Islands | 23 |
| 28 – 30 April  Tonga Solar PV Mini-grids Training | 23 |
| 7-11 June  University of PNG-FREAGER–PCREEE SECTM TVET Training of Trainers | 31 |
| **AWARENESS AND PROMOTIONAL EVENTS** |  |
| 27 April, 25 May & 29 June  Conducted monthly radio talkback programme to support the private sector and the general public in Tonga in the areas of: (i) the Electricity Commission’s / Energy Regulator Roles, (ii) Electrical Permit Applications & (iii) Illegal Practices / Works & Penalties & Electrical Safety | More than 1,000 |
| 29 & 30 June   * Public Awareness programme on Sustainable Energy National Certificate Level 1 & 2 carried out at 4 Secondary Schools at Vavaú, Tonga | 90 |
| **PARTNERSHIPS & COLLABORATIONS** |  |
| 7 May  Agreed on a draft International Solar Alliance – Pacific Community draft roadmap for cooperation |  |

**B. Progress concerning the establishment of the institutional set-up**

Business Plan and e-Mobility Programme

All the consultations have been completed and after several reviews by the Consultants, both documents were launched at the 4th Anniversary celebration on 27 April. Limited copies were printed for the launch given the available printing services in Tonga. More hardcopies are now being printed from Fiji and both documents are available on the PCREEE website.

There has been a lot of interests on the e-mobility programme. A brochure summarising the programme and how to access assistance from it has been produced and widely distributed in the region. PCREEE has been requested to present the e-mobility programme to the Session on Low Carbon Development during the regional Pacific Resilience Meeting and a meeting of the Energy Working Group of the Pacific Regional Infrastructure Facility (PRIF), both in July.

Staff Regulations and Manual of Staff Policies

SPC continues to update and modernize its policies and regulations relating its staff and their employment conditions. Town Hall meetings have been held with the Executive whereby the Director General provided encouragement and some confidence to staff in terms of addressing their special circumstance during the uncertainties brough by the pandemic.

Staffing

In 2020, Australian and New Zealand volunteers were repatriated due to the pandemic. Australia has since provided Volunteers who would be engaged on specific short term assignments.

PCREEE was successful in recruiting a Sustainable Energy Entrepreneurship Mentoring Support Officer for a 3 months assignment.

The recruitment of a Pacific Islands Junior Professional to replace the one who completed her contract in December 2020 began in June and is expected to come on board in September. The position has been redesignated and the ‘’Junior” is removed in order to better reflect the status of the position and its contribution to SPC.

The annual Performance Review for the two staff member seconded by the Tonga Government was completed with satisfaction during the reporting period.

Partnerships

No new MoUs were signed during the reporting period.

There hasn’t been any further discussions with FFAN or GET Invest whom we worked together on the joint investment forums in Fiji and for the region during the last reporting period.

The discussions with the International Solar Alliance on mini-grids and smart mobility have resulted in the conduct of a joint webinar on mini-grids. A draft roadmap for cooperation with the Pacific Community was also agreed upon, attached as **Annex 2**. The roadmap has clearly identified PCREEE’s lead role in the coordination and management of the ISA STAR-C network in the Pacific Islands. The capacity building focus of the STAR-C network will focus on the 4 programme areas of the PCREEE’s Business Plan 20021-2030 being:

* business start up and mentoring
* smart mobility
* RE mini-grids
* EE investment

Resource Mobilisation Effort

From the last reporting period, we continued the discussions, exchanged drafts that incorporated the new Business Plan with the Austrian Development Agency and confirmed the level and scope of Austria’s funding to the PCREEE for 2021 – 2025. By the end of the reporting period, we have agreed on derogation from the ADA General Terms and Conditions and the following shall apply:

1. Article 1.4 Procurement of goods and services shall be undertaken in accordance with SPC’s Procurement Policies and Procedures.
2. Article 2. Travel expenses and salaries: The SPC rules and regulations on travel expenses, salaries and reimbursement of expenses shall apply.
3. Article 3.1 and 3.2 Bank account and separate accounting: The corporate bank account specified in the Grant Agreement shall be used for the EZA funds provided by ADA. To ensure a clear identification of ADA funds as well as full and transparent separation of ADA funds from other sources, all income and expenditure related to these funds shall be tagged with a specific code in the SPC accounting system.
4. Articles 4.1, 4.3 and 4.6 Reporting and accounting: The Recipient shall report to the ADA on the progress of its execution of the contract for every calendar year period, and shall submit an annual progress report including a certified financial statement per 31 December.
5. Article 4.6 Annual audit by external auditors: Certified annual financial audits shall be commissioned by the Recipient in line with Chapter III (Terms of Reference for Other Subsidiary or Auxiliary Bodies) of the Pacific Community Governance Compendium, Third edition, and submitted to ADA in line with the provisions of Section 8 (1) c. above.

* PCREEE completed a consultancy assignment with Coffey International Development Pty Ltd to conduct an evaluation of NZ’s Development Aid’s Energy Programme. The consultancy was for NZD 28,350 and this has been received in full.
* PCREEE has worked together with partners in Vanuatu, particularly the Department of Energy and the Department of Climate Change to develop a GCF Concept Note under its Simplified Approval Process (SAP) on Leveraging the National Green Energy Fund (NGEF) to Achieve Rural Electrification in Vanuatu. The project is for USD 10 million with SPC as the accreditted entity. After several reviews, the SAP was formally submitted to the GCF in June. Further reviews of GCF comments are expected in the coming weeks and months.

Banking

PCREEE continued to working under the Suva-centralised banking systems and its petty cash fund – so far so good.

National Focal Institutions and Thematic Hubs

The PCREEE continued to work through the NFIs, noting the varying efficiencies and responsiveness. The SPC Suva office convened two meetings of the THs in Suva in relation to the draft regional Framework for Energy Security and Resilience in the Pacific Islands: 2021 – 2030. Discussions were also held about a side event during the Leaders’ Summit in August to present the new Framework together with the e-mobility programme.

Regular progress reporting to SPC

Monthly reports were produced for the monthly meetings of the Georesources and Energy Programme and enabled PCREEE activities to be coordinated with the other events of the Programme. Key highlights of each programme are presented on bi-weekly reports [weekly before] to the Director General. Of the more than 20 projects within the Division, PCREEE is among the top three contributors to this DG’s updates.

**C. Progress concerning the of the technical program of the Centre**

The PCREEE continues to focus its effort on empowering the private sector through the following initiatives:

Support to Energy Regulators to create the enabling environment for investment

* Continued with the delivery of the technical assistance to the Energy Regulator in Tonga (Tonga Electricity Commision-TEC) to support its negotiation with the Power Utility (Tonga Power Ltd) on its 3rd five-yearly Tariff reset 2021-2025 thereby promoting private sector investment in Tonga’s electricity sector. The Concession contract was signed in January 2021.

Awareness raising to the business and employment opportunities in the Energy Sector

Given the travel restrictions brought by the COVID pandemic, PCREEE’s awareness raising activities focussed only on the host country, Tonga. A total of 90 students in the Vava’u group participated in the awareness events, as below:

|  |  |  |
| --- | --- | --- |
| **AWARENESS AND PROMOTIONAL EVENTS** |  |  |
| 29 April   * Public Awareness programme on Sustainable Energy National Certificate Level 1 & 2 carried out at the Vava’u High School |  | 25 |
| 29 April   * Public Awareness programme on Sustainable Energy National Certificate Level 1 & 2 carried out at the Mailefihi Siu’ilikutapu College |  | 12 |
| 30 April   * Public Awareness programme on Sustainable Energy National Certificate Level 1 & 2 carried out at the Saineha High School |  | 31 |
| 30 April   * Public Awareness programme on Sustainable Energy National Certificate Level 1 & 2 carried out at the Tailulu College |  | 22 |
| **TOTAL** |  | **90** |

Establishment of Sustainable Energy Industry Associations

* No further works on the establishment of the Sustainable Energy Associations and this is largely due to the travel restrictions.
* PCREEE tried to initiate joint training activities with the established associations, for example in Samoa, but this did not work out due to the inability of country counterparts to coordinate the logistics and find local expertise to play a lead role in the conduct of their training activities.
* Continued to engage with the established associations in Tonga and Vanuatu to participate in the PCREEE training events.

PCREEE Sustainable Energy Entrepreneurship Fund

* Continued to liaise with the Solomon Is on upgradng the power system at the Atoifi Adventist Hospital.
* Assessed a submission from a whale watching company at Vava’u, Tonga. Unfortunately, due to the urgency of the need to upgrade their energy system they went ahead and procured and installed the equipment in a manner that is not compliant with SPC’s Procurement Policy.
* Adressed questions and interests from Vanuatu’s BRANTV project.

PCREEE Sustainable Energy Research Support Fund

* No new students applied during the reporting period.

**2. Detailed overview on outcome and output level based on the results framework in the project document (later business plan)**

See next page

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Outcome 1: Enhanced regional institutional capacities through the creation of the efficiently managed and financially sustainable Pacific Centre for Renewable Energy and Energy Efficiency (PCREEE)** | | | | | | | | | | |
| **Immediate Outcomes (short-term) - Outputs** | **Indicators** | **Baseline and Targets** | **Means of verification** | | | **Achievements so far** | **Indicated PCREEE budget in the work plan [[1]](#footnote-1)** | **Spent PCREEE budget** | **Raised co-funding**  **(indicate partners)** | **Comments** |
| **Output 1.1** The PCREEE Secretariat is physically established | - Office with appropriate space and equipment to accommodate the staff of the Secretariat | **Baseline**:  no regional RE&EE centre is in existence in PICTs;  **Target(s):**  - Office with appropriate space and equipment to accommodate the staff of the Secretariat | * Office space and invoices | | | * **Level of Achievement: in %**   97% | 21,500 | Jan – June: 10,199.32  July – Dec: 5,650 |  | Issued a RFP to select a contractor to fabricate a conference room for the PCREEE was issued twice. No bids received on these 2 occasions.  Prepared a RFP for the conference facilities, discussed with the local host to ensure compatibility with local IT protocols but was not launched as fabrication is to take place first.  Prepared 3 RFQs on conference room fabrication, furnishing and video conference facility to be launched during the next reporting period. |
| **Activities** | | |  | | |  |  |  |  |  |
| 1.1.1 Ensure the timely establishment of the PCREEE office infrastructure; operationalize the implementation of the committed co-funding of SPC, UNIDO and the Government of Tonga in line with the host country agreement; | | |  | | | 100% |  |  |  | Co-funding commitments of the 3 parties have been working very well.  Completed and working on improvements as we continue servicing the region. |
| 1.1.2 Purchase of office equipment and establishment works in line with SPC and GoT procurement rules | | |  | | |  |  |  |  | Most of the spending was on printery consumables, particularly printer cartridges.  Continued purchase of office supplies to keep the office functioning, clean and safe. |
| 1.1.3 Rent and running costs for PCREEE office (to be covered by SPC and Government of Tonga) | | |  | | |  |  |  | In-kind support of approx. 15,000 | Rent, water, power and internet are paid directly by the GoT.  Continued to be paid by the GoT. |
|  | | |  | | |  |  |  |  |  |
| **Immediate Outcomes (short-term) - Outputs** | **Indicators** | **Baseline and Targets** | **Means of verification** | | | **Achievements so far** | **Indicated PCREEE budget in the work plan** | **Spent PCREEE budget** | **Raised co-funding**  **(indicate partners)** | **Comments** |
| **Output 1.2** The Manager ~~Director~~ and the technical and administrative staff are recruited and the internal procedures and regulations are implemented | - ~~Director~~ Manager is appointed by SPC  - Technical and administrative staff is recruited in line with the commitments of SPC, GoT, UNIDO  - At least 4 local technical and administrative staff recruited  - Implementation of internal rules (e.g. procurement committee, financial and accounting rules) | **Baseline:**  no regional RE&EE centre is in existence in PICTs;  **Target(s):**  - Director is recruited  - At least four (4) technical and administrative experts are recruited  - Implementation of internal rules (e.g. procurement committee, financial and accounting rules) | - Staff contracts  - Internal rules documents | | | **Level of Achievement: in %**  99% | 93,739.13 | Jan – Jun: 106,792  Jul – Dec: 97,553 | Tonga Govt is paying for the salary of 1 of its officers to work for PCREEE. SPC is paying for 30% of the Manager’s salary. | Personnel costs for 4 PCREEE / SPC staff [Manager, Programme Delivery Officer, Pacific Island Junior Professional and Programme Assistant.  47,000 of the staff salary was offset with the staff times claimed from the PacTVET project. Salary costs should therefore be 144,553.  PCREEE delivered with 5 staff. |
| **Activities** | | |  | | |  |  |  |  |  |
| 1.2.1 Appointment of the PCREEE Manager ~~Director~~ by SPC in line with the established TORs and relocation to the PCREEE office in Tonga | | |  | | | 100% |  |  |  | Appointed in July 2018. |
| 1.2.2 Recruit the administrative and technical PCREEE staff in accordance with the organizational chart and established ToRs (depends on availability of funds); UNIDO will be part of the selection committee; | | |  | | | 99% |  | Jan – June: 1948.85 |  | Recruited the PDO in June 2019, PA in Nov 2019 and PIJP in March 2020.  Prepared to recruit a PIJP in the next reporting period. |
| 1.2.3 Initial IT, HR, Finance & Admin support for the creation and implementation of the internal procurement, staff, travel, financial and accounting rules and procedures to approved in the first Steering Committee meeting | | |  | | | 100% |  |  | In-kind support of approx. 10,000 | GoT is providing the daily IT support for free. Admin, Finance and HR support is provided by SPC offices in Noumea and Suva and PCREEE is following established SPC rules and procedures.  Budget and spending represent SPC’s Project Management fee (15%)  Tonga continued to provide the same level of support. |
| 1.2.4 Establish an internal quality and appraisal framework for renewable energy and energy efficiency supported activities | | |  | | |  |  |  |  |  |
| **Output 1.3** The institutional governance structure of the Centre are established and executed | - Number of NIFs and Thematic Hubs (TH) nominated  - Number of meetings of the Steering Committee and Technical Committee organized  - NFI network operational and Steering Committee formed | - Number of NIFs and Thematic Hubs (TH) nominated  - Number of meetings of the Steering Committee organized | - Host institution agreement  - Minutes of the SC  - NFI agreements | | | **Level of Achievement: in %**  **97%** |  |  |  | Completed the 5th Steering Committee Meeting in Nov 2020.  PCREEE has yet to form a Technical Committee. There is yet to be a critical need for it and operationalising it would be a challenge, similar to the NFI and TH setups. |
| **Activities** | | |  | | |  |  |  |  |  |
| 1.3.1 Sign and implement an Agreement for the Centre hosting | | |  | | | 100% |  |  |  | Signed in July 2017 |
| 1.3.2 Establish a network of National Focal Institutions (NFIs) and Thematic Hubs (THs) and develop their capacities | | |  | | | 97% | 15,000 |  |  | NFIs and THs have been identified but not so effective given their busy schedules and other commitments. |
| 1.3.3 Organize the Steering Committee Steering Committee Steering Committee meetings as required | | |  | | | 100% | 15,000 | Done virtually |  | Completed the 5th Steering Committee meeting in Nov 2020. Meeting was conducted virtually. |
| **Immediate Outcomes (short-term) - Outputs** | **Indicators** | **Baseline and Targets** | **Means of verification** | | | **Achievements so far** | **Indicated PCREEE budget in the work plan** | **Spent PCREEE budget** | **Raised co-funding**  **(indicate partners)** | **Comments** |
| **Output 1.4** Long and short term planning, implementation and monitoring framework of the Centre is established and implemented | - 1 approved Business Plan by the Committee  - 1 work plan per year  - 1 Monitoring and Evaluation Framework tracking the PCREEE progress | **Baseline:**  no regional RE&EE centre is in existence in PICTs;  **Target(s):**  - 1 approved Business Plan by the Committee  - 1 approved work plan per year  - 1 Monitoring and Evaluation Framework tracking the PCREEE progress | - Business Plan and strategic environmental assessment (SEA)  - Annual work plans  - Monitoring and evaluation framework | | | **Level of Achievement: in**  **%**  95% | 15,000 | Consultations in 7 PICs that were done virtually but PCREEE paid for the venue and catering. |  | BP has been finalised awaiting compliance with SPC’s publication policies.  Virtual consultations with 7 countries was completed. |
| **Activities** | | |  | | |  |  |  |  |  |
| 1.4.1 Development of the PCREEE Business Plan and ensure that the environmental impact of RE&EE measures, technologies, equipment and infrastructure is taken into account and duly reflected in the plan | | |  | | | 95% |  |  |  | Wordings of the BP have been finalised and shared with ADA to be included in the Contribution Agreement. |
| 1.4.2 Development and adoption of annual work plans, status reports and audited financial statements of the Centre in line with SPC | | |  | | | 90% |  |  | PCREEE contributed to the auditing costs through the 15% PM fees. | Centre is annually audited together with all SPC accounts and projects.  Annual work plan and progress report were adopted at the 5th Steering Committee meeting |
| 1.4.3 Develop and implement a monitoring and evaluation system including indicators measuring the PCREEE progress and impact | | |  | | | 100% |  |  |  | PCREEE is using the ProDoc Results Framework |
| **Output 1.5** The core activities and functions of PCREEE are implemented and sustainability of the organization is reached | - Number of established internal procedures and technical programs  - Number of NIFs and Thematic Hubs (TH) nominated  - Number of meetings of the Steering Committee  - % of business plan and annual work plans are implemented at the end of the first operational phase of PCREEE  - Volume of co-funding for the technical program of the centre raised | **Baseline:**  no regional RE&EE promotion agency in existence in PICTs;  **Target(s):**  - Number of established internal procedures and technical programs  - 22 NIFs and at least 5 Thematic Hubs (TH) nominated    - At least 3 meetings of the Steering Committee  - At least 70% of the business plan and annual work plans are implemented  - At least 5 million USD co-funding for the technical program of the centre raised | - Meeting minutes  - Project documents  - Annual work plans and progress reports of PCREEE | | | **Level of Achievement: in %** |  |  |  | Implementation of the PCREEE is following its Results Framework very closely and according to established SPC procedures.  Long term sustainability is a challenge. |
| **Activities** | | |  | | |  |  |  |  |  |
| 1.5.1 Mobilize and sign a funding agreement with at least one additional PCREEE donor | | |  | | | 80% | 15,000 |  |  | Finalising the SPC-ADA Contribution Agreement for 2021 – 2025 is at an advanced stage. |
| 1.5.2 Sign at least 5 technical cooperation agreements with local (e.g. universities, institutions, training centres) and international partners | | |  | | | 90% |  |  |  | No new MoU signed through joint events with ISA in 2021 were discussed. |
| 1.5.3 Develop at least 2 RE&EE PCREEE program/project proposals to be submitted for financing to international partners (e.g. GEF, GCF, CTCN) | | |  | | | 50% |  |  |  | Develop a EE in land transport proposal to the CTCN for the Solomon Is and Tonga. |
| 1.5.4 Represent PCREEE in regional and international key events (travel costs) | | |  | | | 100% and on-going |  |  |  | .  Virtually participated in the ECREEE Forum and an CCREEE meeting on emobility. |
| **Output 1.6** A special programme on gender and sustainable energy is established and integrated to the activities of the centre and the network of regional sustainable energy centres | - gender programme is approved to be included in the Business Plan by the Committee | **Baseline:**  No gender programme in the energy sector of the PICs.  **Target(s):**  - a gender programme become a permanent fixture in the business plan of the centre | - Business Plan  - Annual work plans  - Monitoring and evaluation framework | | | **Level of Achievement: in %**  **80%** |  |  |  | A Pacific Energy and Gender Strategic Action Plan (PEGSAP) was finalised by the CTIF TA and training and workshops were conducted on the PEGSAP in Suva. |
| 1.6.1 Develop the energy-gender programme of the PCREEE in the context of the “Island Women Open Network (IWON) for Sustainable Energy & Climate Resilience in Island Nations” | | |  | | |  |  |  |  | No interactions with IWON for a long time. |
| 1.6.2 Submit the energy-gender programme to be endorsed by the SC | | |  | | |  |  |  |  | No need for the PCREEE to duplicate the PEGSAP / gender work of SPC in Suva. |
| 1.6.3 Develop funding proposals for the energy-gender programme | | |  | | |  |  |  |  | PEGSAP is to be rolled out in 2021. |
| 1.6.4 Implement and continuously review to ensure consistency with the regional gender programme of SPC’s Social Development Programme and the “Island Women Open Network (IWON) for Sustainable Energy & Climate Resilience in Island Nations” | | |  | | |  |  |  |  | PEGSAP is to be rolled out in 2021. |
| **Outcome 2: Strengthened capacities of local key institutions and stakeholder groups through the up-scaling and replication of certified training and applied research programs and mechanisms** | | | | | | | | | | |
| **Immediate Outcomes (short-term) - Outputs** | **Indicators** | **Baseline and Targets** | **Means of verification** | | | **Achievements so far** | **Indicated PCREEE budget in the work plan** | **Spent PCREEE budget** | **Raised co-funding**  **(indicate partners)** |  |
| **Output 2.1** A multi-year framework to strengthen the local RE&EE capacities of key institutions and stakeholder groups is developed, adopted and under implementation | - Regional capacity development  Strategy   * Implementation progress of the regional capacity development strategy in % of total | **Baseline**:  No regional capacity development strategy on RE&EE is in place; very weak implementation of  **Target(s)**:  - Capacity development strategy is validated by key stakeholder groups (incl. women groups) and gender mainstreaming mechanisms are incorporated  - At least 30% of the activities of the regional capacity development strategy are implemented by end of the first operational phase of PCREEE. | 1. Capacity development strategy document  2. Mid-term review on program implementation | | | **Level of Achievement: in %**  **50%** |  |  |  | No budget allocated for this activity.  Capacity Development strategy was drafted and put aside given the strategic / master plan development and the need for PCREEE’s to complement what others’ are doing in this vast area. |
| **Activities** | | |  | | |  |  |  |  |  |
| 2.1.1 Conduct a regional capacity needs assessment particularly reflecting the needs of the governments and local technology industry and business using existing studies and in cooperation with the NFIs (to be done in combination with activity 4.2.1 under output 4.2) | | |  | | |  |  |  |  | Various capacity needs and gap analysis have been conducted and offer sufficient guidance to the PCREEE |
| 2.1.2 Develop a regional multi-year capacity development strategy particularly reflecting the needs of local public and private stakeholders (to be done in combination with activity 4.2.1 under output 4.2) | | |  | | |  |  |  |  |  |
| 2.1.3 Produce tailored training and certification modules covering various RE&EE issues and tools in coordination with local business and industry groups (also in local language) | | |  | | |  |  |  |  | PCREEE has assisted to establish the Sustainable Energy Association of Vanuatu earlier in 2020. Plans for the establishment of the association in the Solomon Is is planned for 2021. |
| **Output 2.2** Pacific certification / accreditation scheme for individuals, organisations and products is created (in collaboration with SEIAPI) and operational | - Number of training competency standards are operational  - Number of training standards adopted by the centre  - Number of trainers certified across 22 PICTs  - Number of training institutions and universities adopt the competency standards | **Baseline:**  No regional competency standards, certification and accreditation schemes for trainers and training institutions are in place; no regional gender mainstreaming standards in place;  **Target(s):**  - At least 5 training standards adopted by the centre (at least on is dedicated to gender mainstreaming)  - At least 80 trainers are certified across at least15 islands (at least 30% are female)  - At least 5 training institutions and universities adopt the competency standards | - Competency standards documents  - Records of certified trainers | | | **Level of Achievement: in %** |  |  | Compensated by the PacTVET for 7942 for PCREEE’s inputs in the month of May. | PCREEE assisted the development of a national qualification on sustainable energy Levels 1-4 in Tonga through SPC’s PacTVET project. Levels 1 & 2 were approved and registered during the reporting period. |
| **Activities** | | | | | | |  |  |  |  |
| 2.2.1 Act as the secretariat for developing the training competency standards on RE&EE which was already started by USP/SEIAPI | | |  | | |  |  |  |  | This is a role better suited for a training institution and the industry, like USP and SEIAPI. |
| 2.2.2 Act as the body accrediting training centres and certifying trainers | | |  | | |  |  |  |  | This is a legislated role of the National / Regional Qualification Authorities. |
| 2.2.3 Act as the secretariat for co-coordinating installation and products standards/guidelines | | |  | | |  |  |  |  | The current development of the guidelines and standards is a bit messy. |
| **Immediate Outcomes (short-term) - Outputs** | **Indicators** | **Baseline and Targets** | **Means of verification** | | | **Achievements so far** | **Indicated PCREEE budget in the work plan** | **Spent PCREEE budget** | **Raised co-funding**  **(indicate partners)** | **Comments** |
| **Output 2.3** Key stakeholders are trained by the certified trainers on RE&EE aspects of high relevance for the local business and industry sector | - Number of key stakeholders across 22 PICTs are trained by the certified trainers and/or institutions  - Number of the trained experts apply their received skills in the energy sector of PICTs | **Baseline:**  Weak capacities of key institutions and stakeholders in the energy sector (e.g. public institutions, utilities, banks, companies, consultants educational and research institutions); very weak mainstreaming of gender aspects;  **Target(s):**  - At least 800 key stakeholders across 22 islands are trained by the certified trainers and/or institutions (being at least 30% are female)  - At least 40% of the trained experts apply their received skills in the energy sector of PICTs (at least 30% are female) | - Attendance sheets and questionnaires  - Lists of participants  - Workshop documents | | | **Level of Achievement: in %** |  |  |  | Conducted 2 training workshops in relation to the power tariff review in Tonga.  A total of 788 participants participated in the various events of the PCREEE. |
| **Activities** | | |  | | | |  |  |  |  |
| 2.3.1 Train key policy makers in sustainable energy policy planning and incentive mechanisms (including sustainable cooking and transport, equal access to renewable energy and the impacts of renewable energy installations on the environment) | | |  | | |  |  |  |  | Planned Energy Dialogues were postponed due to the COVID pandemic. |
| 2.3.2 Train utilities and regulators regarding RE integration/grid stability and energy efficiency (e.g. demand side management) | | |  | | |  |  |  | In-kind support of about 1,000 | Conducted 2 training workshops for the power utilities, regulators and energy officials in relation to the power tariff review in Tonga. |
| 2.3.3 Provide targeted RE&EE business development training for clean-tech SMEs and entrepreneurs (e.g. energy auditors, equipment installers, RE service providers) | | |  | | |  | 30,000 | No joint training activity was conducted. |  | Allocated 30k for joint training activities with GEF-funded projects in PNG, Tuvalu and Vanuatu.  Implementation has been postponed with no definite date due to the uncertainties surrounding the COVID pandemic. |
| 2.3.4 Increase the capacity of stakeholders to mainstream gender and climate resilience into RE&EE policies and projects | | |  | | |  |  | SPC Suva has got a gender project funded by the Canadians / CITF.  PPA is also into gender in the power sector, see <https://www.ppa.org.fj/>  gender-portal/ |  |
| 2.3.5 Increase the capacity of technical private-sector experts and start-ups to develop, install and maintain RE&EE projects and systems (including training on climate resilient energy infrastructure). | | |  | | |  |  |  |  |
| 2.3.6 Train experts on the financial structuring, design and planning of RE&EE projects (e.g. climate finance, RETScreen, HOMER) | | |  | | |  |  |  |  |
| **Immediate Outcomes (short-term) - Outputs** | **Indicators** | **Baseline and Targets** | **Means of verification** | | | **Achievements so far** | **Indicated PCREEE budget in the work plan** | **Spent PCREEE budget** | **Raised co-funding**  **(indicate partners)** | **Comments** |
| **Output 2.4** Applied science research networks and technology transfer with high relevance for the local business and industry sector are promoted | - Number of applied research programs receive funding and are under execution   * Number of RE&EE technology transfer projects are under implementation | **Baseline:**  No major regional applied research programs and technology transfer projects on RE&EE are under implementation;  **Target(s):**  - At least seven national research institutions are involved in the execution of at least (3) regional applied research programs on RE&EE  - At least two innovative technology transfer projects are under implementation (e.g. waste to energy, sustainable transport) | - Research reports  - Program documents  - Progress reports | | | **Level of Achievement: in %** | 10,000 |  |  | Promoted the PCCC Sustainable Energy research support Facility but no new applications were received. |
| **Activities** | | |  | | |  |  |  |  |  |
| 2.4.1 Conduct a baseline study on the research priority needs of the Pacific RE&EE industry and business sectors | | |  | | |  |  |  |  |  |
| 2.4.2 Create a regional incentive model for the establishment of regional research programmes with high relevance for the local industry (e.g. call for proposals) | | |  | | |  |  |  |  |  |
| 2.4.3 Promote south-south and north-south technology transfer programs and projects | | |  | | |  |  |  |  |  |
| **Outcome 3: The awareness and knowledge base of local key institutions and stakeholder groups on RE&EE are strengthened** | | | | | | | | | |  |
| **Immediate Outcomes (short-term) - Outputs** | **Indicators** | **Baseline and Targets** | **Means of verification** | | | **Achievements so far** | **Indicated PCREEE budget in the work plan** | **Spent PCREEE budget** | **Raised co-funding**  **(indicate partners)** | **Comments** |
| **Output 3.1** An effective online RE&EE information management system addressing the needs of investors, private sector and industry is created and operating | - Number of national institutions in 22 PICTs provide updated RE&EE data to the system on an annual basis  - Number of documents, files and data-sets are available in the database  - Number of registered users visit the data system regularly and download data  - % of the responding users confirm their satisfaction with the quality and reliability of the data in annual online surveys | **Baseline:**  The current regional RE&EE information system is inadequate and lacks of reliability and relevance for the private sector and industry; currently there exists no systematic collection of sex-disaggregated baseline data;  **Target(s):**  - At least 22 institutions in 22 PICTs provide updated RE&EE baseline data to the system on an annual basis (sex-disaggregated data)  - At least 500 documents, files and data-sets are available in the system by end of the first operational phase  - At least 200 registered users (at least 50% of it from PICTs and represent private sector) visit the data system regularly and download data  - At least 70% of the responding users confirm their satisfaction with the quality and reliability of the data in annual online surveys | - web statistics | | | **Level of Achievement: in %** |  |  |  | The data management system of the Georesources and Energy Programme of SPC is conducted from Suva through its Pacific Regional Data Repository portal.  <http://prdrse4all.spc.int/>  SPC continued to liaise with the WB on a USD 7 million data proposal. |
| **Activities** | | |  | | |  |  |  |  |  |
| 3.1.1 Establishment of the interactive PCREEE website (www.pcreee.org) and link it to the Global Network of Centres and the Pacific Regional Data Repository for SE4ALL | | |  | | |  |  |  |  | The PCREEE website is fully functional and regularly updated from both Suva and Tonga. Website is linked to the GN-SEC. |
| 3.1.2 Compile an inventory of relevant experiences/projects and papers/study reports/research reports and documents on best practices, skills, know-how, knowledge, technology suppliers in each PICT (disseminated through the information system) | | |  | | |  |  |  |  | Linked the PCREEE website to the Pacific Regional Data Repository to form the PRDR-PCREEE Knowledge Hub, as seen in the Resources page of PCREEE’s. |
| 3.1.3 Create a database of RE&EE stakeholders, including governments, training institutes, industry and NGO’s (to be disseminated through the information system) | | |  | | |  |  |  |  | Have started but not fully populated. |
| 3.1.4 Develop guidelines on energy data verification, quality and harmonisation in cooperation with the NFIs | | |  | | |  |  |  |  | Worked with SPC Suva colleagues and UN ESCAP |
| 3.1.5 Create a database of RE&EE standard investment opportunities for the region to facilitate matching available funds to real projects (particularly in alignment with the activities under outcome 4) | | |  | | |  |  |  |  | Have started but not fully populated. |
| 3.1.6 Produce and publish and RE&EE resource atlas and facilitate resource mapping in the PICTs (data to be disseminated through the information system) | | |  | | |  |  |  |  | Currently working with the UK-based Institute for Environment Analytics of the Uni of Reading to develop an online toolkit for solar and wind resource assessment and energy planning in Palau, Tonga and Vanuatu.  Producing a wind and solar atlas is a part of the PPA SEIDP - https://www.ppa.org.fj/seidp-background/solar-wind-resource-maps/ |
| 3.1.7 Map existing sustainable energy projects including their key information (manufacturer, installer, status of operation, generated energy, etc) and disseminate information through the information system | | |  | | |  |  |  |  | Have started but not fully populated. |
| **Immediate Outcomes (short-term) - Outputs** | **Indicators** | **Baseline and Targets** | **Means of verification** | | | **Achievements so far** | **Indicated PCREEE budget in the work plan** | **Spent PCREEE budget** | **Raised co-funding**  **(indicate partners)** | **Comments** |
| **Output 3.2** Awareness and knowledge base of key stakeholder groups on various RE&EE aspects are strengthened | - Number of experts from the Pacific region participates in PCREEE RE&EE conferences by end of the first operational phase (at least 30% of the invited panellists are female)  - Number of PCREEE conferences with focus on the gender-RE&E nexus  - % of the population in 22 countries is reached by regional awareness RE&EE campaigns supported by PCREEE | **Baseline:**  Awareness of key stakeholders on RE&EE varies considerably across the Pacific islands; there is lack of awareness on gender-RE&EE issues;  **Target(s):**  - At least 400 experts from the Pacific region participate in PCREEE RE&EE conferences by end of the first operational phase (at least 30% of the invited panellists are female)  - At least one PCREEE conference will have a special focus on the gender-RE&EE nexus  - At least 25% of the population in 15 countries is reached by regional awareness campaigns | - Reports and statistics of audio-visual awareness raising campaigns  - Lists of conference participants | | | **Level of Achievement: in %**  Completed awareness activities in Tonga jointly with the OIREP, benefitting 155 people from communities & 183 secondary school students.  Supported the Tonga Power Ltd’s RE Seminar, attended by 30 people.  Ordered awareness and promotional materials which will arrive on the 2nd half of 2020. | 35,000 | Jan – June: 5907.67 | In-kind support from the OIREP of approx. 10,000 | Budgeted 35k for awareness activities in Tonga, Vanuatu, Solomon Is and the North Pacific to be conducted jointly during planned PCREEE events (dialogues & investment forums).  Given COVID, PCREEE was only able to conduct awareness programme with the secondary schools of the Vava’u Group in Tonga. |
| **Activities** | | |  | | |  |  |  |  |  |
| 3.2.1 Organize at least one major annual conference on different RE&EE aspects | | |  | | | Discussions of a joint regional investment forum with GET.invest has not advanced any further. |  |  |  |  |
| 3.2.2 Contribute to the production a RE&EE Industry report in cooperation with REN-21 and link the Pacific to the Asia-Pacific portal as well as the global tracking framework to the SE4ALL initiative | | |  | | |  |  |  |  | Participated as a panellist at a REN 21 event at ESCAP in Oct. No further contacts with REN 21. ESCAP is now working with SPC in Suva on the Next STEP model.  SPC data work is led from Suva with support from the PCREEE. |
| 3.2.3 Design and implement at least one regional RE&EE awareness campaign targeting the residential, commercial or industrial sectors | | |  | | | We have approached PICs for key annual national events (e.g national day celebration, tourism week, etc) where we can jointly conduct awareness / promotion activities. |  |  |  | Launched PCREEE’s Regional RE and EE Awareness Campaign Strategy during the 3rd Anniversary of the PCREEE.  Received awareness materials [stickers, pens, T-shirts and lanyards] that were produced in Suva. |
| 3.2.4 Provide technical policy implementation to CROP agencies, especially to SPC, as well as Member States and the private sector and industry (task to be delegated by the SPC Energy Programme) | | |  | | |  |  |  |  | PCREEE’s work on policies is closely coordinated with SPC’s Policy and Governance team in Suva. |
| **Outcome 4: Increased RE&EE business opportunities for local companies and industry through the development and implementation of regional investment promotion programs and tailored financial schemes** | | | | | | |  |  |  |  |
| **Immediate Outcomes (short-term) - Outputs** | **Indicators** | **Baseline and Targets** | **Means of verification** | | | **Achievements so far** | **Indicated PCREEE budget in the work plan** | **Spent PCREEE budget** | **Raised co-funding**  **(indicate partners)** | **Comments** |
| **Output 4.1** Investments in RE&EE projects are promoted | - Volume of investments (in USD) for the execution of the SIDS DOCK project pipeline mobilized  - Number of small to medium-scale RE&EE projects co-funded by national institutions (e.g. banks) with the support of newly created regional support schemes  - Investment volume (in USD) of developed (pre-)feasibility studies/energy audits for innovative RE&EE projects addressing industrial key sectors (e.g. tourism, agriculture, fishery, creative industry);  - Number of regional key programs to promote investments in innovative technology areas developed and under implementation (e.g. waste to energy, efficient transport); | **Baseline:**  Insufficient levels of RE&EE investments to reach the set SIDS DOCK and PICTs RE&EE targets by 2033.[[2]](#footnote-2) Lack of technical assistance and financing for the SIDS DOCK RE&EE project pipeline of USD 617 million; lack of tailored RE&EE financing instruments for small and medium sized RE projects and EE solutions; lack of RE&EE programs which target key industries in PICTs (e.g. food processing, fishery, manufacturing, tourism);  **Target(s):**  - At least 100 million USD for the execution of the SIDS DOCK project pipeline are mobilized by end of the first operational phase of PCREEE.  - National institutions (e.g. banks) in at least 7 countries co-fund 80 small to medium-scale RE&EE projects with support of newly created regional support schemes (schemes consider mainstreaming of gender and environmental safeguard standards)  - (Pre-)feasibility studies and energy audits for innovative RE&EE projects addressing industrial key sectors (e.g. tourism, agriculture, fishery, creative industry) with an investment volume of at least 60 million USD are developed and in the SIDS DOCK project pipeline included (considering environmental safeguard standards and gender mainstreaming)  - At least two (2) regional key programs to promote investments in innovative technology areas are developed and under implementation (e.g. waste to energy, efficient transport); | - Documents on support schemes (incl. environmental safeguard standards, gender mainstreaming)  - (Pre-)Feasibility studies  - Project documents  - Project progress reports  - Signed contracts  - Minutes of investment forums | | | **Level of Achievement: in %** |  |  |  | Jointly conducted two forums with PFAN and the development partners and the private sector in Fiji.  Jointly conducted 3 investment forums jointly with GET.invest on renewable energy, smart mobility and energy efficiency. |
| **Activities** | | |  | | | |  |  |  |  |
| 4.1.1 Establish a database of RE&EE priority investment projects in the residential, commercial and industry sectors presenting relevant project data (to be published through the Centre website) | | |  | | PICs are going through their NDC enhancement exercises with the Pacific NDC hub. | | 35,000 |  |  | PICs energy roadmaps and NDCs are not very specific on the needed investments and projects to reach their targets.  SIDS Dock, IRENA and ISA have each compiled a pipeline of projects from the PICs.  PCREEE National Energy Dialogues and workshops have highlighted the need to further elaborate on the national targets so as to more specifically identify the investment and employment opportunities.  The NDC Hub and GGGI are actively reviewing the NDCs and are developing investment plans for achieving the country energy / climate change targets. |
| 4.1.2 Organize annual investment and business forums (e.g. trade fare) to present the project pipeline to interested financiers and investors | | |  | | Planning a joint investment forum with PFAN in Fiji on the second half of 2020. | |  |  |  | A national sustainable energy investment forum was planned for the Solomon Is has been moved to 2021.  Jointly conducted two forums with PFAN and the development partners and the private sector in Fiji.  Jointly conducted 3 investment forums jointly with GET.invest on renewable energy, smart mobility and energy efficiency. |
| 4.1.3 Raise funding for the pool of bankable RE&EE investment projects and provide preparatory and investment support for new projects (e.g. feasibility studies, elaboration of project proposals) in cooperation with existing mechanisms (e.g. SPREP, IUCN, ADB) | | |  | |  | |  |  |  | Tonga Circular Economy Feasibility study & funding proposal development has started and has been stalled by the COVID travel restrictions .  RFP for Vanuatu’s low emission land transport feasibility study was issued & funding proposal development will start second half of 2020.  Proposal with UNDP on a Vanuatu Performance-Based Financing Facility has discontinued due to GCF policies.  Regrettably UNIDO has no further interest on the GEF CleanTech proposal. |
| 4.1.4 Design and testing of innovative RE financing schemes and business models for off-grid projects in cooperation with local banks (e.g. micro-credits) | | |  | | |  |  |  |  | Each PIC has tried their own financing schemes and financing models and the search for a sustainable model is an on-going activity. |
| **Immediate Outcomes (short-term) - Outputs** | **Indicators** | **Baseline and Targets** | **Means of verification** | | | **Achievements so far** | **Indicated PCREEE budget in the work plan** | **Spent PCREEE budget** | **Raised co-funding**  **(indicate partners)** | **Comments** |
| **Output 4.2** The local sustainable energy industry is strengthened | - Adopted gender-sensitive PICTs strategy to promote local sustainable energy industry and entrepreneurship  - At least 150 local sustainable energy hardware and service companies in 22 PICTs receive financial support from the newly created regional facility (at least 30% are in the manufacturing sector). | **Baseline:**  Low local added value of RE&EE investments due to a lack of PICTs sustainable energy businesses and industry; lack of opportunities for local entrepreneurs due to the absence of tailored support instruments;  **Target(s):**  - Adopted gender-sensitive PICTs strategy to promote local sustainable energy industry and entrepreneurship  - At least 150 local sustainable energy hardware and service companies in 22 PICTs receive financial support from the newly created regional facility (at least 30% are in the manufacturing sector, at least 30% start-up companies).  - At least 20 companies in the sustainable energy sector are awarded through the established clean tech innovation program. | - PICTs strategy document  - Supported business plans of companies  - Financial documentation  - Project progress reports  - Documentation of call for proposals | | **Level of Achievement: in %**  **50%** | | 180,000 | Jan – June: 9244.76 |  | Spending relate to the meetings to establish the sustainable energy industry association in Vanuatu on the first half the year.  Plans to establish the Solomon Is Sustainable Energy Industry Association was postponed due to COVID. |
| **Activities** | | |  |  | | |  |  |  |  |
| 4.2.1 Undertake a baseline assessment and develop a PICTs strategy for the promotion of local sustainable energy businesses and industries in cooperation with PFAN and SEIAPI / the activity includes at least two private sector technical staff exchange and training visits | | |  |  | | |  |  |  | Jointly conducted two forums with PFAN and the development partners and the private sector in Fiji. |
| 4.2.2 Work with PFAN and other partners on the potential opening of a call for proposal window for PICTS (e.g. to promote local RE&EE businesses and start-ups, investments) (to be implemented in combination with activity 2.3.3 under output 2.3) | | |  |  | | |  |  |  | PFAN has finally shown some interest to work with the PCREEE.  Jointly conducted 3 investment forums jointly with GET.invest on renewable energy, smart mobility and energy efficiency. |
| 4.2.3 Develop and execute a clean-tech program to promote RE&EE business innovations (including prize competition for the most innovative business idea) - (to be implemented in combination with activity 2.3.3 under output 2.3 and output 3.1) | | |  |  | | |  |  |  | PCREEE has a sustainable energy innovation competition but no serious taker yet. PCREEE and UNIDO were working on the GEF CleanTech proposal but is now dropped. |
| 4.2.4 Collect lessons learned and develop a manual for sustainable energy start-up companies (to be used in the trainings under output 2.3) | | |  |  | | |  |  |  | Similar business start up training has been conducted in Tonga for fruit pickers returning from Aust. Development of the manual has been disrupted due to the resignation of the officer responsible for this activity. |

**3. Achievements on impact level towards the indicators in the project document (later business plan)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Development Impact (ultimate outcome)** | **Indicators** | **Baseline and targets** | **Means of verification** | **Achievements** |
| Improved access to modern, affordable and reliable energy services, energy security and mitigation of negative externalities of the energy system (e.g. local pollution and GHG emissions) by promoting renewable energy and energy efficiency investments, markets and industries in PICTs. | 1. % increase of people [urban and rural and disaggregated to males, females and children] with access to modern, reliable and affordable energy services provided by RE technologies (urban and rural population, sex-disaggregated data - baseline 2013) 2. % increase of the RE contribution to the electricity mix of the PICTs (baseline 2013) 3. Increase of investments in RE&EE projects in PICTs (% of it addressing key industries in PICTs - baseline 2013) in USD 4. % decrease of fossil fuel import spending in PICTs due to the introduction of RE&EE technologies and solutions in USD (baseline 2013) 5. % decrease of GHG tCO2 emissions through implemented RE&EE projects 6. Number of additional jobs created directly or indirectly in the RE&EE sector in PICTs 7. % increase of registered local companies in the RE&EE sector | **Baseline:**  High energy costs hamper the socio-economic and industrial development in PICTs; high fossil fuel import spending in many islands; low productivity and competitiveness of local key industries due to energy costs (e.g. food processing, manufacturing of niche products, fishery, tourism); low levels of RE&EE investments; lack of local energy companies;  **Target(s):**  - 10% increase of people with access to modern, reliable and affordable energy services provided by RE technologies (urban and rural population, sex-disaggregated data - baseline 2013)  - 10% increase of the RE contribution to the electricity mix in PICTs (baseline 2013)   - USD 100 million of additional investments in RE&EE projects (at least 25% of it are addressing key industries in PICTs - baseline 2013)  - 10% decrease of fossil fuel import spending in PICTs due to the introduction of RE&EE technologies and solutions (baseline 2013)  - 15% decrease of GHG tCO2 emissions through implemented RE&EE projects  - At least 100 additionally (directly or indirectly) created local jobs in the RE&EE sector (baseline 2013)  - 10% increase of registered local companies in the RE&EE sector (at least 25% of them are in the manufacturing sector) | 1. ESCAP’s report on Asia-Pacific Progress on the SDGs 2020. 2. SPC’s meeting paper (E1) to the 4th Pacific Energy Ministers Meeting in Sept 2019. 3. IRENA RE Energy Statiscis 2020 4. Trade reports and National Communications to the UNFCCC COP. 5. National Communications to the UNFCCC COP. 6. Energy Sector Annual reports and Labour and Employment reports 7. Business registration reports. | 1. ADB’s Pacific Energy Update 2020 and the statistics on the access to electricity, can be seen in the table below:   2. Between 2010 and 2019, around 912 MW of RE capacity has been installed in the PICs. Growth is obviously slow, as in the ESCAP SDG Progress report 2020. RE Capacity installed in the region from 2010 – 2019 can be seen in the table below:    3. Some notable increases in investments on RE between 2018 – 2019 can be seen in the Cook Is, French Polynesia, New Caledonia, Niue, Samoa and Tonga.  4. Various estimates of the reduction in fossil fuel use per installed project have been made but most projects are not of a scale which can reduce fuel imports at the national level.  5. UN ESCAP’s SDG Progress Report for Asia and the Pacific (2020) showed that the Pacific has lagged behind other subregions on climate action (Goal 13) measured by emissions and the impact of disasters. The Pacific subregion needs to strengthen its effort to combat climate change. Measured in terms of carbon dioxide emission from fossil fuels per capita, the Pacific subregion is the worst performing subregion in the Asia- Pacific region at 11.1 tons of carbon dioxide per capita annually or more than double the regional average (in part due to the high level of emissions from developed economies in the subregion). The good news is that the subregion has reduced that figure from more than 13 tons per capita in 2005 and can hope to accelerate this progress. On the Goal 7 indicators, the Pacific need to accelerate progress on 5 out of the 6 while 1 (7.a) cannot be measured.    6. There has been an increase in the number of additional jobs in RE and EE, particularly in the countries with additional capacity and investments, see #3 above.  7. No doubt there has been some very small increases in newly registered energy businesses throughout the region but yet to be captured accurately.  With the current effort on NDC enhancement and the corresponding development of NDC Mitigation / Investment Plans, it would help to more effectively market the opportunities to start up new businesses on sustainable energy. |

**4. Main problems and constraints encountered and counter measures taken:**

The challenges are the same as those reported on the July- December 2020 Progress Report and are repeated here:

* **COVID-19 Panedemic**

The pandemic has been a challenge in terms of delivering the work programme. Border lockdowns began in March 2020 and is still continuing in most PICs, with a notable second wave in Fiji since April. SPC’s office in Suva has since worked from home since 25 April. Tonga is still COVID-free. Some activities that were supposed to be delivered on the ground has been postponed. These included a national workshop in Samoa and the Solomon Is.

The arrangement for an Australia-funded e-volunteer to be Business Entrepreneurship and Mentoring Officer at the PCREEE for 3 months was completed during the reporting period.

On the other hand, the pandemic has offered an opportunity to do business differently by way of virtual meetings and trainings. This has obviously saved a lot on travelling costs.

PCREEE continued to be guided by SPC’s corporate direction on keeping staff and their families safe, including flexible working from home arrangements, flexible home leave and the encouragement of staff to take their annual leave and a break from their routines.

The passing of the Project Delivery Officer’s dad during the reporting period affected the deliveries of the PCREEE not only in terms of the delivery of the PDO’s tasks but also in terms of the local staffs’ delivery as everyone had to contribute their time to ensure a quick and smooth repatriation of the whole family back to Vanuatu.

* **Ineffective National Focal Institutions and Thematic Hubs arrangement**

As mentioned in the July – December 202020 progress report and as highlighted in the Framework for Energy Security and Resilience in the Pacific 2021-2030, the energy landscape of the Pacific Islands is rapidly changing and is quite different to the environment during the development of the PCREEE ProDoc. Other related entities such as the Pacific’s Maritime Technical Cooperation Centre, the Pacific NDC Hub, the Pacific Climate Change Centre at SPREP, the Global Green Growth Institute and the International Solar Alliance have all emerged and will contribute, in one way or the other, to renewable energy and energy efficiency in the region. Each of these are operating in relation to an international, regional and national framework regarding either transport, energy and climate change.

The National Coordinators and national focal institutions in some are just the same with the PCREEE NFIs and Thematic Hubs, there is certainly a lot of work expected of these officials and institutions with their limited capacity. The NFI and THs arrangement for the PCREEE is working but could be working better and more effectively because of the competing demands from closely related institutions that the member countries and institutions are working with. People therefore become very selective on who they work with according to their own respective criteria and preferences.

* **Need to better align the PCREEE to SPC’s Georesources and Energy Programme (GEP)**

The Geoscience Energy Maritime Division of SPC has released its Business Plan. This was a timely development, allowing PCREEE’s to ensure its Business Plan is consistent with the division’s.

SPC’s Georesources and Energy Programme (GEP) has completed developing the Framework for Energy Security and Resilience in the Pacific 2021 – 2030 and the PCREEE Business Plan’s 4 Programme Areas are all very reflected in the FESRIP.

* **The PCREEE is understaffed in terms of numbers and the levels of expertise and experiences.**

While the PCREEE challenge on staff numbers was improved by the Australia and NZ-funded volunteers, regrettably the pandemic meant that they had to be repatriated and only 3 months e-volunteer are available for now.

Both the PCREEE Business Plan exercise and the GEP review has provided an indication of the optimum staff levels and budget for the PCREEE. The GEP review highlighted the challenge of the lack of awareness of PCREEE and the need to raise its profile by carrying out activities in countries which it has not reached out to.

This is probably the last report under the First Operational Phase’s Results Framework. There is a need to have a results framework that is brief with measurable and realistic indicators.

**5. Proposed way forward:**

It will take a while before the world can safely come out of the COVID 19 pandemic. The PCREEE has prepared to deliver its services virtually. The challenge is to get the local counterparts energised and motivated to effectively coordinate local events. At the same time, the PCREEE must be prepared to assist to bring local participants together and to do more of its services virtually. PCREEE will therefore launch RFQs to fabricate its conference room, furnish it and to have a state of the art video conference facility before the end of 2021.

Furthermore, PCREEE is going to open its virtual national events to others from the region who may be interested in the same event. For instance, PCREEE supported a virtual workshop on Power Tariff Resetting with the Tonga Electricity Commission in 2020 and more than 50% of the participants were regional participants. The PCREEE will open the event to others who may interested in the topic from throughout the region.

**6. Financial implementation of the work plan:**

Please find the financial snapshot enclosed.

**7. Attachments:**

* Signed Financial Report [ to be provided]

**Report prepared by:**

Manager - PCREEE:



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Tonga, 18 August 2021

1. The budget and work plan is based on the work plan and budget approved at the 4th Steering Committee Meeting and included in the SPC & UNIDO agreed ToR attached to the signed Contract 4 (Amendment 2). [↑](#footnote-ref-1)
2. SIDS DOCK Goals by 2033: increase EE by 25 percent; generate a minimum of 50 percent of electric power from RE sources; 20-30 percent decrease in liquid petroleum transportation fuel use; [↑](#footnote-ref-2)