

WORKSHOP ANNOUNCEMENT

TO: Representatives of Governments and Administrations of Fiji, Solomon Islands, Tonga, Tuvalu and Vanuatu **No:** 23/37

COPY: SPC Energy contacts
SPC Transport contacts
Development Partners & Industry contacts

FILE: PRO 143/3/2 **DATE:** 27th April, 2023

SUBJECT: **PACIFIC ISLANDS ELECTRIC MOBILITY WORKING GROUP WORKSHOP;
NUKU'ALOFA, TONGA: 12 – 16 JUNE 2023**

BACKGROUND

1. The effort to reduce fossil fuel reliance in the Pacific Island Countries and Territories (PICTs) has focused mainly on the power generation sector while the bulk of the fuel consumed are in the transport sector.
2. Electric mobility (e-mobility) is one of the strategies available to the PICTs in order to reduce fossil fuel consumption in the transport sector.
3. SPC convened the first regional workshop on emobility in the PICTs on 28 – 30 November 2022. One of the recommendations from the workshop was the establishment of an Electric Vehicles Working Group (EVWG) to coordinate and drive the works on electric vehicles in the region.
4. The members of the EVWG have met virtually and current works by the Pacific Centre for Renewable Energy and Energy Efficiency (PCREEE) and the National Renewable Energy Laboratory (NREL) as well as the Department of Energy in Tonga offers an opportunity for the EVWG to meet in person.

OBJECTIVES

5. The workshop will bring together members of the EVWG as well as interested agencies and key stakeholders on e-mobility in the region to:
 - i) Discuss the progress the PCREEE regional emobility programme and strategies for accelerating its delivery.
 - ii) Discuss guidance and advisory assistance that may be needed by members countries and implementation partners.
 - iii) Collect updated data and information on the developments and experiences with emobility in the region
 - iv) Review the draft regional EV standard and guideline

- v) Participate in the consultation meeting on the Tonga EV Roadmap
- 6. The workshop will be held back-to-back with the Tonga Transportation Stakeholders Meeting on June 12th - 14th, 2023.

EXPECTED OUTCOMES

- 7. The expected outcomes of the workshop are:
 - i) An agreed strategy for accelerating the works on EVs in the region
 - ii) An updated stocktake of progress with EVs in the region
 - iii) Strengthened partnerships and coordination of EV effort in the PICTs
 - iv) A reviewed regional EV standard and guideline
- 8. A draft of the Tonga stakeholders meeting, and draft Workshop Agenda are attached as **Annex 2**.

PARTICIPANTS

- 9. The workshop is for the members of the EVWG, as follows:
 - Development Partners – UNIDO
 - Multilateral partners – World Bank & GGGI
 - Regional Agencies – SPC (PCREEE & MTCC)
 - Power Utilities – Tuvalu Power Corp
 - Land Transport Authorities – Fiji LTA
 - Industry – LEAF Capital / Switch, Fiji
 - Energy Office – Solomon Is
 - Regulators – Utilities Regulatory Authority (Vanuatu)
- 10. The workshop will however be open to self-sponsored participants and those sponsored by bilateral and multilateral projects relating to transport, climate change and energy.
- 11. All nominations for the SPC-sponsored participants as well as the self and other sponsored participants should be received by the Secretariat by 20th May 2023.

TRAVEL AND DSA

- 12. An economy class return ticket by the most economical route will be provided to participants sponsored by the SPC (Fiji LTA, Ministry of Mines, Energy and Rural Electrification of the Solomon Is, Tuvalu Electricity Corp and Vanuatu Utilities Regulatory Authority).
- 13. Travel orders cannot be issued until the official nominations have been received.
- 14. A per-diem will be provided to participants funded by the SPC to cover hotel accommodation, meals and incidentals. If an overnight transit is necessary, full per diem will be paid, however, participants will be responsible for these hotel arrangements. Hotel receipts will be required as proof of accommodation being used.

WORKSHOP MODALITY

15. The workshop will be convened in a hybrid format of online and in-person attendance. The workshop link will be provided closer to the workshop date.

FIJI TRAVEL ENTRY

16. SPC is pleased to advise that visas are no longer required for entry into / transit through Fiji for stays of up to three months for nationals of all SPC member countries.
17. All other countries, please seek assistance from your nearest Consulate in order to have your visa prior to your arrival and to comply with any health requirements.
18. Transit visas are the responsibility of participants, however, SPC may be able to assist through a letter of introduction, if required.

INSURANCE

19. The Pacific Community and the workshop partners do not insure participants while attending workshops and meetings or during travel to and from Tonga and will not be responsible for any expenses arising out of loss, sickness, injury, other disability or loss of life. It is participants' own responsibility to ensure that their travel is covered by insurance.

For further information about the workshop, please contact Sinalauli'i Fifita on details below:

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Paula Vivili (Dr)
Deputy Director-General, Science and Capability

Attachments:

1. Annex 1 – Nomination form for funded participants
2. Annex 2 – Draft Agenda

Annex 1

NOMINATION FORM FOR FUNDED PARTICIPANTS

WORKSHOP FOR THE PACIFIC ISLANDS ELECTRIC MOBILITY WORKING GROUP; NUKU'ALOFA, TONGA: 12 – 16 JUNE 2023

Please submit the completed form to solomonef@spc.int and sinalauliif@spc.int by May 20th, 2023.

1. Name of participant attending in person: _____

Designation: _____

Organisation: _____

Email Address: _____

Contact number: _____ (Work) _____ (Home)

Dietary Restrictions: _____

(Please send a copy of the biodata page of your current passport with this form)

Any other special request

Yes / No

*If the response is "Yes", please specify below.

Annex 2

Pacific Islands EV Working Group Workshop

12 – 16 June 2023

Monday, June 12 th		
Time	Topic	Presenter/Facilitator
8:30am - 9:00am	<i>Registration</i>	
9:00am - 9:30am	Day 1 Official Opening	MEIDECC
	▪ Opening Prayer, Introductions, and Formalities	
9:30am - 10:00am	Session 1: NREL and Tonga Technical Assistance Overview	Dustin Weigl
10:00am - 11:00am	Session 2: Transportation Breakout Discussion (Part 1)	Prateek Joshi
	▪ Transportation in Tonga Discussion: strengths and weaknesses of Tonga's transportation system	
11:00am - 11:15am	<i>Morning Break</i>	
11:15am - 12:15pm	Session 3: Transportation Breakout Discussion (Part 2)	Dustin Weigl
	▪ Transportation in Tonga Discussion: opportunities and threats for Tonga's transportation system	
12:15pm - 12:30pm	Closing	MEIDECC
12:30pm - 1:30pm	<i>Lunch</i>	
1:30pm - 2:00pm	Touch Base with Tonga Team	MEIDECC/NREL
3.00pm – 5.00pm	Project site visits and meetings for the overseas participants	MEIDECC / PCREEE

Tuesday, June 13 th		
8:30am - 9:00am	Registration	
9:00am - 9:30am	Recap of Day 1	Prateek Joshi
9:30am - 10:30am	Session 4: SWOT Full Group Discussion	Dustin Weigl
	▪ Report key findings in a full group discussion	
10:30am - 11:00am	Session 5: NREL Proposed Policies (Part 1)	Prateek Joshi
	▪ Presentation on NREL proposed policies in the draft framework (transportation system efficiency)	
11:00am - 11:15am	Morning Break	
11:15am - 12:15pm	Session 6: NREL Proposed Policies (Part 2)	Dustin Weigl and Prateek Joshi
	▪ Presentation on NREL proposed policies in the draft framework (electric vehicle adoption and charging infrastructure)	
12:15pm - 12:30pm	Closing	MEIDECC
12:30pm - 1:30pm	Lunch	
1:30pm - 2:00pm	Touch Base with Tonga Team	MEIDECC/NREL
3.00pm – 5.00pm	Project site visits and meetings for the overseas participants	MEIDECC / PCREEE
Wednesday, June 14 th		
8:30am - 9:00am	Registration	
9:00am - 9:30am	Recap of Day 2	Dustin Weigl
9:30am - 11:00am	Session 7: Breakout Discussion on NREL Proposed Policies	Prateek Joshi
	▪ Breakout group discussion on NREL proposed policies to provide feedback and comments	
11:00am - 11:15am	Morning Break	
11:15am - 12:15pm	Session 8: Full Group Discussion on NREL Proposed Policies	Prateek Joshi
	▪ Report key findings in a full group discussion	
12:15pm -	Closing	MEIDECC

12:30pm		
12:30pm - 1:30pm	<i>Lunch</i>	
1:30pm - 2:00pm	Touch Base with Tonga Team	MEIDECC/NREL
3.00pm – 5.00pm	Project site visits and meetings for the overseas participants	MEIDECC / PCREEE

Thursday, June 15 th		
8:30am - 9:00am	Registration	
9:00am - 9:10 am	Day 1: Official Opening	PCREEE
	▪ Opening Prayer, Introductions, and Formalities	
	▪ House Keeping	
9:15am - 9:30am	Session 1: PCREEE Regional EV Programme	Solomone Fifita
	▪ Background and updates	
9:30am - 10:00am	Session 2: EV Market Trends	Prateek Joshi
	▪ Overview of Global and Pacific EV Market Trends ▪	
10:00am - 10:15am	Morning Break	
10:15am - 11:00am	Session 3: Benefits and Barriers of EV Development	Dustin Weigl
	▪ Discussion*: What barriers and benefits do you see as most prominent for the Pacific Region? Refer to the WB presentation in the Nov workshop - Pacific Islands Workshop on Electric Mobility PCREEE	
11:00am - 12:00pm	Session 4: Country Progress, Updates, and Insights: Solomon Is, Tonga, Tuvalu and Vanuatu	Country Representatives
	▪ What steps have been taken to develop or implement an EV Market?	
	▪ What barriers have been hit? What benefits are foreseen?	
	▪ How are you utilizing your country’s strengths and avoiding its weaknesses?	
12:00pm - 1:00pm	Lunch Break	
	ADVANCING EV DEVELOPMENTS IN THE PICs:	
1:00pm - 2:00pm	Session 5: Developing the legal framework and a Policy Roadmap	Prateek Joshi
	▪ Include overview of Wedge Analysis Tool	
	▪ Discussion: What are their next steps in roadmap development?	
2:00 - 2:15pm	Afternoon Break	
2:15pm - 2:45pm	Session 6: Data Collection for EV and EVSE Deployment	Prateek Joshi
	▪ Discussion: What necessary data is already being collected?	
	▪ Discussion: How difficult is it to collect the necessary data?	
2:45pm - 3:45pm	Session 7: Establishing a Network of EV Charging Infrastructure Perhaps go together or followed by the Business Model	Dustin Weigl
	▪ Estimating the required number and type of EVSEs	

	<ul style="list-style-type: none">▪ Locating EVSE<ul style="list-style-type: none">○ Discussion: Where will your best locations be for EVSE?	
3:45pm - 4:00pm	Closing thoughts from participants	
Friday, June 16 th		
8:30am - 9:00am	Registration	
9:00am - 9:15am	Day 2: Opening Remarks and Recap of Day 1	PCREEE
9:15am - 10:00am	Session 8: Adopting EVSE Standards, Guidelines and Communication Protocols	Andrew Campbell
	<ul style="list-style-type: none">▪ The PRIF supported standards and guidelines▪ Discussion: Which standards will your country adopt?	Dustin Weigl
10:00am - 10:15am	Morning Break	
10:15am - 11:15am	Session 9: Grid Planning and Management for EVs	Prateek Joshi
	<ul style="list-style-type: none">▪ Pro-EV Electricity Tariff Design▪ Discussion: How many have smart meters? TOU pricing? DR Programs?	
	<ul style="list-style-type: none">▪ Managed Charging	
	<ul style="list-style-type: none">▪ Grid hosting capacity	
	<ul style="list-style-type: none">▪ Vehicle-to-Home and Vehicle-to-Grid	
11:15am - 12:00pm	Session 10: EVSE Business Models	Dustin Weigl
	<ul style="list-style-type: none">▪ Discussion: Which EVSE Business models will be the most popular in your country?	
12:00pm - 1:00pm	Lunch Break	
1:00pm - 1:30pm	Session 11: Fleet Electrification Strategies	Prateek Joshi
	<ul style="list-style-type: none">▪ Strategies/examples of fleet electrification	
1:30pm - 2:00pm	Session 12: Workforce Development	Dustin Weigl
	<ul style="list-style-type: none">▪ Maximizing Employment after the electric transition	
2:00pm - 2:15pm	Afternoon Break	
2:15pm – 2:45pm	Session 13: EVs for Resilience Against Natural Disasters	Prateek Joshi
	<ul style="list-style-type: none">▪ Discussion: How do you foresee EVs improving disaster resilience?	
	<ul style="list-style-type: none">▪ Discussion: What are your concerns about EVs in relation to disaster resilience?	
2:45pm - 3:15pm	Session 14: Battery Second Life and Recycling	Dustin Weigl
	<ul style="list-style-type: none">▪ How to manage the second life recycling of batteries	

3:15pm - 3:45pm	Recap and Discussion	Country Representatives
	<ul style="list-style-type: none"> ▪ Discussion: What did you learn that will impact your plans going forward? 	
3:45pm - 4:00pm	Pacific Highlights and Next Steps for EV Working Group	PCREEE