

## MEETING ANNOUNCEMENT

**TO :** Representatives of Governments and Administrations;  
Cook Islands, Niue, Papua New Guinea, Samoa, and  
Tonga **No. :** 19/11

**CC:** CEO, Te Aponga Uira, Cook Is  
CEO, Infrastructure, Niue  
CEO, Independent Consumer & Competition Commission, PNG  
CEO, Office of the Regulator, Samoa  
CEO, MEIDECCC – Tonga

**FILE :** PRO 135/1/5/2 **DATE :** 6<sup>th</sup> March 2019

**SUBJECT :** **TRAINING WORKSHOP ON POWER PURCHASE AGREEMENTS:  
NOVOTEL, NADI: 1 – 5 APRIL 2019**

### BACKGROUND

1. Private Sector investments have a key role to play in accelerating the transition to economies that are driven by renewable energy and energy efficient technologies. In May 2018, the SPC's Pacific Centre for Renewable Energy and Energy Efficiency (PCREEE) conducted an introductory regional workshop on Power Purchase Agreements.
2. The Pacific Power Association is building on the PCREEE workshop last year and is collaborating with the PCREEE to conduct a follow up regional workshop under its World Bank-funded Sustainable Energy Industry Development Project (SEIDP).

### OBJECTIVES OF THE WORKSHOP

3. The objectives of the workshop are to enable participants to structure successful PPAs, to manage competition in the electricity market and attract power sector investments.

## **DATE AND VENUE OF THE WORKSHOP**

4. The workshop will be held at the Novotel, Nadi, Fiji on 1-5 April 2019.

## **AGENDA / PROGRAMME**

5. The draft agenda / programme for the workshop is attached as **Annex 1**.

## **PARTICIPANTS**

6. The PCREEE is only funding energy planners and utility regulators that attended its workshop in 2018. In addition, it will also fund a representative each from the Cook Is and Niue power utilities since they are not participating in the SEIDP.
7. PPA and the SEIDP will fund two participants each from power utilities of PICs that are members of the World Bank.

## **LANGUAGE**

8. The workshop will be conducted in the English language only.

## **TRAVEL AND ACCOMMODATION**

9. SPC's PCREEE will cover the economy class travels and DSAs for its 5 sponsored participants. Participants are to book their own accommodation and be responsible for settling their hotel bills.
10. The Secretariat is happy to assist with the accommodation arrangements of the participants, if needed.

## **VISA REQUIREMENTS**

11. Participants from the Cook Is, Niue, PNG, Samoa and Tonga are issued visas upon arrival in Fiji.

## **INSURANCE**

12. It should be noted that neither SPC, nor the joint organizers of this joint event, insure participants whilst traveling to or from the workshop, nor during the period of attendance and will not be responsible for any expenses arising from sickness, injury or other disability or loss of life.

CONTACT INFORMATION

13. Completed nomination forms, see **Annex 2**, should be received by 12<sup>th</sup> March 2019 at the latest and further details about this workshop can be obtained from Mr Solomon Fifita ([solomonef@spc.int](mailto:solomonef@spc.int)).



Dr. Audrey Aumua  
**Deputy Director General (Suva)**

## Annex 1 – Draft Workshop Agenda

<b>PROGRAM V01</b>		
<b>Day 1 – Opening of course PPA objectives</b>		
<b>Time</b>	<b>Item</b>	<b>Content</b>
9:00 – 9:30	Registration and inauguration	Welcome and introductions
9:30 – 10:45	Presentation	Course overview PPA basics recap
10:45 – 11:00	Morning tea	
11:00 – 12:30	Presentation Discussions	Core objectives of PPAs Roles and parties to PPAs
12:30 – 13:30	Lunch	
13:30 – 15:00	Presentation Discussions	Identifying the primary components Drivers and desirable outcomes for both parties: <ul style="list-style-type: none"> <li>• Suitable tariffs</li> <li>• Duration</li> <li>• Exclusions and risk attribution</li> </ul>
15:00 – 15:30	Afternoon tea	
15:30 – 17:00	Presentation Activities	Drivers and desirable outcomes for both parties (Cont'd): <ul style="list-style-type: none"> <li>• Volume of dispatch</li> <li>• Suitable tariffs/pricing</li> <li>• Duration</li> <li>• Exclusions and risk attribution</li> </ul>
<b>Day 2 – Financial implications of technical issues</b>		
<b>Time</b>	<b>Item</b>	<b>Content</b>
9:00 – 10:30	Presentations	Recap of Day 1 PPA tariff structures Impact of technology type on tariff Losses and other costs
10:45 – 11:00	Morning tea	
11:00 – 12:30	Presentation Discussions	Ancillary services Linking PPA to financial projections, budget <ul style="list-style-type: none"> <li>• Typical commercial terms</li> <li>• Strategies to decide acceptable commercial terms</li> </ul>
12:30 – 13:30	Lunch	
13:30 – 15:00	Presentation Discussions	Energy and services markets <ul style="list-style-type: none"> <li>• Valuing non-energy services</li> <li>• Valuing network reliability</li> </ul>
15:00 – 15:30	Afternoon tea	

15:30 – 17:00	Activity	Group activity
<b>Day 3 – Non-standard situations</b>		
Time	Item	Content
9:00 – 10:30	Presentations	Non-standard situations <ul style="list-style-type: none"> <li>• Export constraints</li> <li>• Plant unavailability</li> <li>• Missing data</li> </ul>
10:45 – 11:00	Morning tea	
11:00 – 12:30	Presentation	Non-standard situations (cont'd) <ul style="list-style-type: none"> <li>• Exit mechanisms</li> <li>• Land issues / force majeure</li> </ul>
12:30 – 13:30	Lunch	
13:30 – 15:00	Presentation	Reference data required for default and avoiding disputes Development of risk matrix and mitigations
15:00 – 15:30	Afternoon tea	
15:30 – 17:00	Presentation Activity	Impact of IPP reliability Impact of utility reliability
<b>Day 4 – System integration: technical and monitoring requirements</b>		
Time	Item	Content
9:00 – 10:30	Presentation	How to specify and verify IPP technical requirements <ul style="list-style-type: none"> <li>• Typical data requirements</li> <li>• Data management and record keeping</li> <li>• Data requirements for non-standard situations</li> </ul>
10:45 – 11:00	Morning tea	
11:00 – 12:30	Presentation	Enabler equipment for grid integration <ul style="list-style-type: none"> <li>• Frequency, voltage and reactive power support</li> <li>• Harmonic filtering</li> <li>• Constraint / runback capability</li> </ul>
12:30 – 13:30	Lunch	
13:30 – 15:00	Presentation	Grid codes – necessary coverage Communication requirements Reliability and plant equipment limitations
15:00 – 15:30	Afternoon tea	
15:30 – 17:00	Activity	Group activity
<b>Day 5 – PPAs as part of a roadmap strategy</b>		
Time	Item	Content
9:00 – 10:30	Presentations	Determining the right mix and amount of IPP generation Essential and non-essential services
10:45 – 11:00	Morning tea	
11:00 – 12:30	Presentation Activity	Effective dealing with IPP proponents: Negotiation strategies
12:30 – 13:30	Lunch	
13:30 – 15:00	Presentation Discussions	Alternatives to PPAs Using PPAs for demand side management How to align PPAs with energy roadmaps
15:00 – 15:30	Afternoon tea	
15:30 – 17:00	Close-out	Final Q&A discussion Evaluation Certificates
17:00	Program close	

## Annex 2

### NOMINATION FORM

*Please type in the details. Do not handwrite.*

Nominating Utility			
Family name	Given name	DOB	Gender
Nationality			
Country of birth			
Passport details	Please attach scanned copy of bio page		
Position in the company			
Contact details	Email	Phone	Physical address