

## Invitation to Attend a Workshop in Suva, Fiji

### Electric Vehicles and Charging Infrastructure on Islands: Planning, Deployment, and Key Considerations

**Date:** January 13, 14, and 15, 2025

**Location:** Holiday Inn Suva, Suva, Fiji

**Summary:** The National Renewable Energy Laboratory (NREL), in partnership with the Pacific Centre for Renewable Energy and Energy Efficiency (PCREEE), Fiji Land Transport Authority (LTA) and others, invite you to a 3-day workshop in Suva, Fiji on January 13-15, 2025 on the electrification of Fiji's transportation sector. Contents will focus on Fiji's land transportation system but are applicable to other Pacific Island Nations. Topics to be covered in this training include EV deployment strategies, gender equity in transportation, grid planning and management for EVs, EV impacts on resilience to cyclones, fleet electrification, on-demand and public transit, end of life management of EVs, EV cybersecurity, and more. Lessons learned from other Pacific Island Nations will be included.



#### Draft Agenda (subject to change)

<b>Monday, Jan 13</b> Day 1: Overview & Context	Welcoming Remarks Fiji land transportation SWOT analysis and goals <i>Morning Tea</i> Tongan land transportation policy roadmap <i>Lunch</i> Gender mainstreaming workshop NREL EV capabilities & past work <i>Afternoon Tea</i> EV deployment strategies in the US EV deployment strategies and progress in Fiji and other PICs
<b>Tuesday, January 14</b> Day 2: Deployment	Data collection and management for EVs Estimating greenhouse gas benefits from transportation electrification <i>Morning Tea</i> Electricity tariff design for EVs On-demand (possibly electric) and public transit Fleet electrification <i>Lunch</i> EV planning and deployment models and tools Workforce development for EVs <i>Afternoon Tea</i> End of life management for EVs

<b>Wednesday, January 15</b> Day 3: Grid Considerations	Grid planning and management for EVs
	EV and grid resilience to natural disasters
	<i>Morning Tea</i>
	Electric Vehicle Charging Stations (EVCS) standards and communications
	Managed charging and vehicle-to-grid (V2G)
	<i>Lunch</i>
	EVCS business models
	EV Cybersecurity
	<i>Afternoon Tea</i>
	Review and Conclusion

**Speakers:**

- Caley Johnson – Senior Transportation Market Analyst, Center for Integrated Mobility Sciences, NREL
- Bonnie Powell – Energy Engineer, Energy Security and Resilience Center, NREL
- Solomon Fifita, Pacific Centre for Renewable Energy and Energy Efficiency (PCREEE)
- TBC - Sione Misi
- TBC, Fiji Land Transport Authority (LTA)
- TBC, Local2030 Islands Network

**RSVP/Registration:** Please RSVP by December 27, 2024 by emailing Bonnie Powell ([bonnie.powell@nrel.gov](mailto:bonnie.powell@nrel.gov)) and Caley Johnson ([caley.johnson@nrel.gov](mailto:caley.johnson@nrel.gov)).

**In collaboration with:**

