

Engineer's Workshop:

A Simpson

Introduction & Thinking Tools

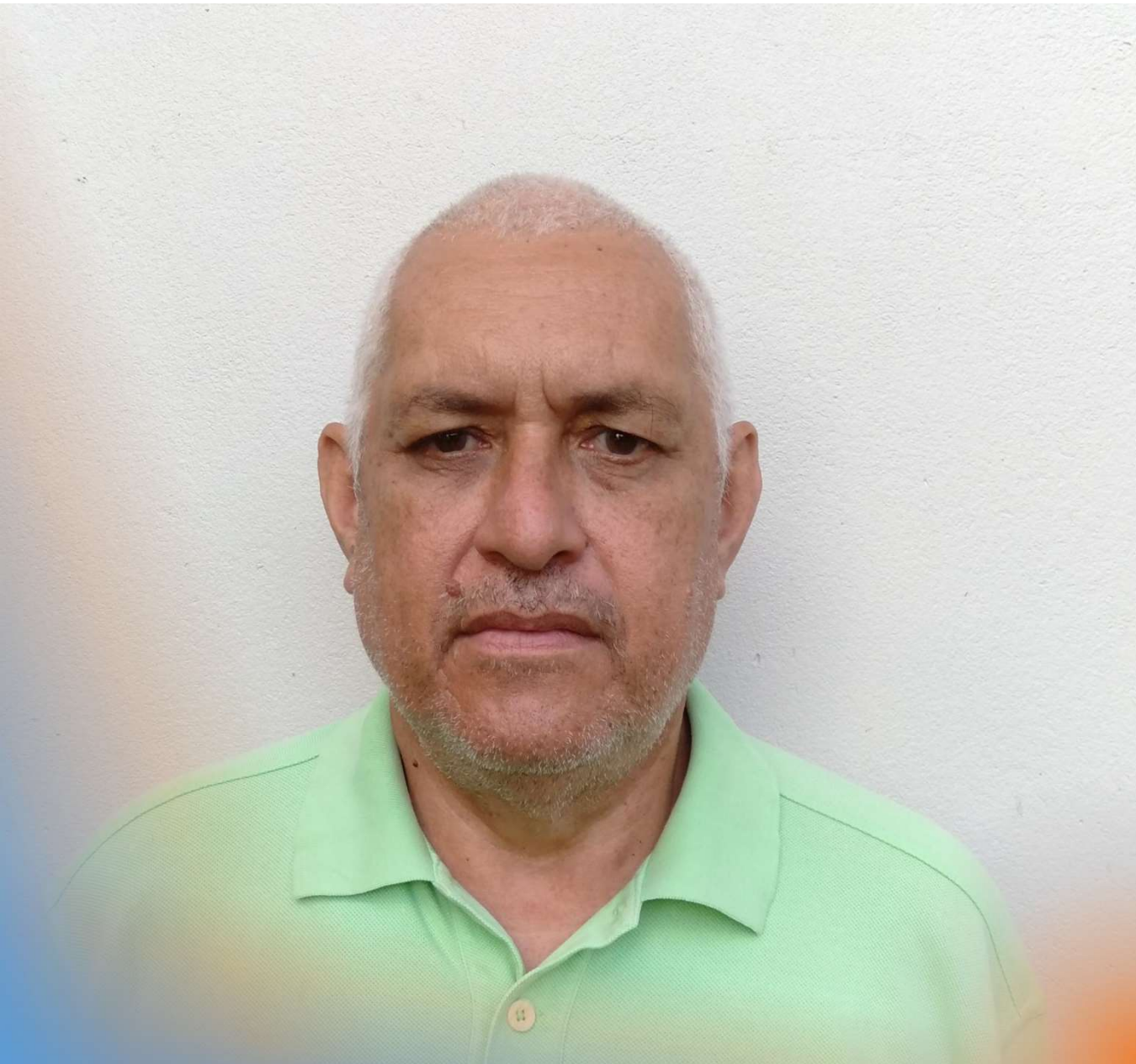


Acknowledgement of Sponsor:



Australian Government

**Department of Climate Change, Energy,
the Environment and Water**



Introduction:

- Coordinator & Instructor
- Electrical Engineer
- Over 40 years of work experience
- 15 years of CEO experience:
7.5 years power utility, 3 years
land transport, 3 years
shipping.
- 7 years consulting – Energy &
Corporate Change
Management
- All mixed up.

Workshop Theme & Objective

- Theme: Planning the Transition to Renewable Energy.
- Objective: At the end of this workshop, engineer should:
 - Appreciate RE technologies and their fit in the supply side strategy for a power grid.
 - Manage the process for developing and operating RE resources.



Agenda: Timetable

	8:30 to 10:00 am	10:30 to 12:00	13:00 to 15:00	15:30 to 17:00
Monday	<ul style="list-style-type: none"> • Planning & Thinking Tools. Resource Inventory. 	<ul style="list-style-type: none"> • Demand Characteristics and forecasting. 	<ul style="list-style-type: none"> • Resource inventory & Preliminary assessment of potential. 	<ul style="list-style-type: none"> • Resource inventory & Preliminary assessment of potential (cont.)
Tuesday	PPA Conference Opening	<ul style="list-style-type: none"> • (Sponsor) DCCEEW presentation. • Elemental - Renewable Energy Project Design Considerations 	<ul style="list-style-type: none"> • Preliminary Assessment Wind, solar, etc • Prefeasibility Assessment 	Introduction to Pacific Women in Power (WB) and PPA Members Baseline Employment Survey Results
Wednesday	<ul style="list-style-type: none"> • DFAT Session with Engineers • Prefeasibility : Nauru Pump Storage hydro 	<ul style="list-style-type: none"> • Understanding Core Gender Concepts Relevant for Energy Sector Management and Planning 	Tour/ Presentations & Exercises	Tour/ Presentations & Exercises
Thursday	<ul style="list-style-type: none"> • Gender Expectations Session- Unpacking Workplace Experiences 	<ul style="list-style-type: none"> • OpenCEM • EPC & Project Management 	<ul style="list-style-type: none"> • Operations and performance management 	<ul style="list-style-type: none"> • Discussion & wrap up

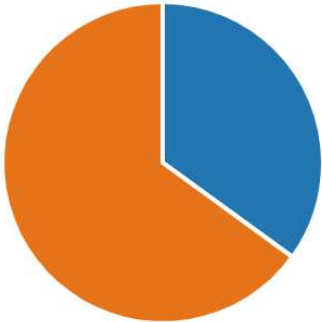
Participants who completed the survey

Andrew Kautoke	Tonga Power Limited	Major Projects and Strategic Business Development manager
Robert Taualupe	Kosrae Utilities Authority	KUA Operation Manager
Ken Blake	Nauru Utilities Corporation	General Manager Generation
JUNG-DUPOUX Patrice	UNELCO VANUATU	Operating manager electricity
Tei Nia	TAU	Acting Chief Engineer
John A. Chieng	Yap State Public Service Corporation	Engineering Division Manager
Steven Wakefield	Marshalls Energy Company	Chief Technical Officer
Simon Reiher	Public Utilities Board Kiribati	Engineering Planning and Compliance Manager
Alex Nanpei	Pohnpei Utilities Corporation	Chief, Department of Engineering and Planning
Dennis A. Triana	Chuuk Public Utility Corporation.	Head, Power Generation & Maintenance.
Carthney Laukon Jr	Marshall Energy Company	Jr. Civil Engineer
Wayne Raymi Kijiner	Marshalls Energy Company	Electrical Engineer
Latuselu Posi	Electric Power Corporation	Engineering officer
Jiten Lal	Energy Fiji Limited	SCADA Engineer
Joshua Liuga Suiramo	Solomon Power	Deputy Chief Engineer
Latuselu Posi	Electric Power Corporation	Engineering Officer
Bwatirine	Kiribati Public Utilities Board	Solar and Battery Energy Storage system engineer
Taaku Sekielu	Tuvalu Electricity Corporation	Distribution Manager
Sidney Kilmete	Pohnpei Utilities Corporation	Chief Power Distribution
Ivan Harris	Pohnpei Utilities Corporation (PUC)	IT Specialist

4. Qualifications:

[More Details](#)

- Diploma in Engineering, Manage... 7
- Bachelor in Engineering, Manag... 13
- Master in Engineering, Manage... 0



5. Experience in Power System Planning

[More Details](#)

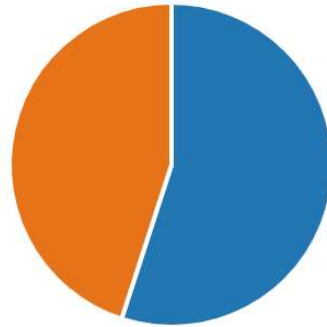
- 0-5 years 10
- 5-10 years 6
- Over 10 years 4



6. Do you have historic and forecasted annual energy and maximum demand up to 10 years for the power grids operated by your utility? (If yes - please have them available at the workshop for exercises on forecasting demand)

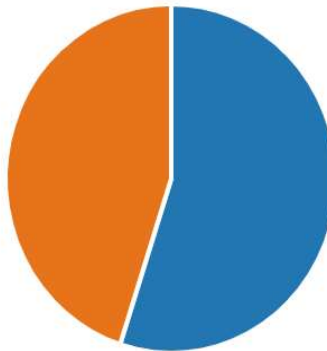
[More Details](#)

 Insights













7. Does your organisation produce a Long term (5 to 20 years) Power System plan? (If yes please bring the report with you)

[More Details](#)

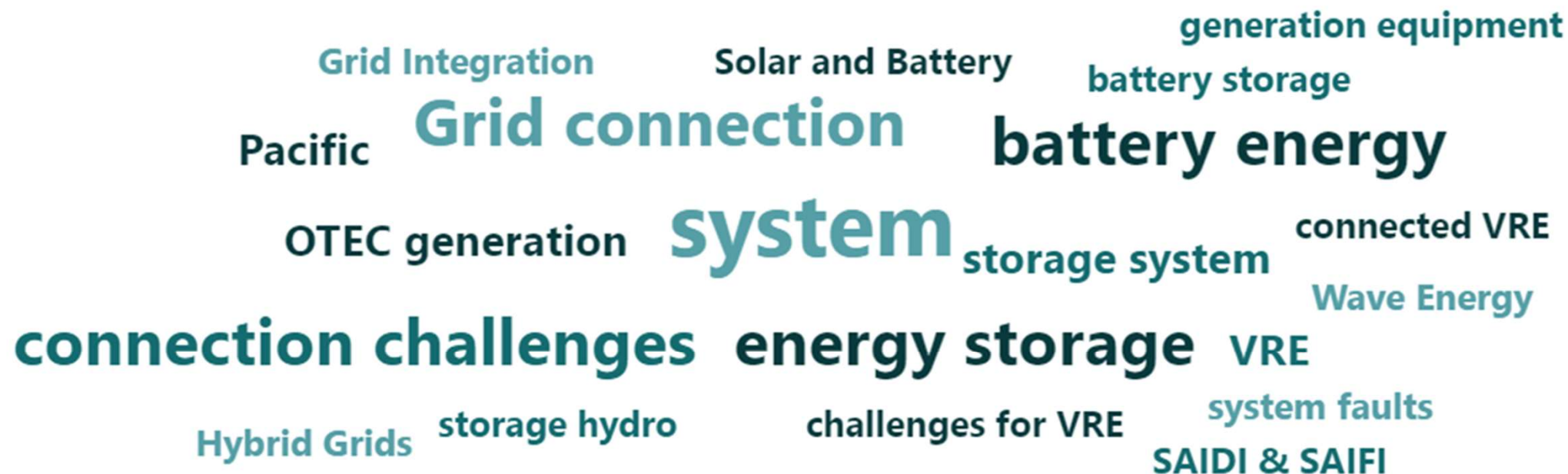


8. Select topics that most interest you

[More Details](#)

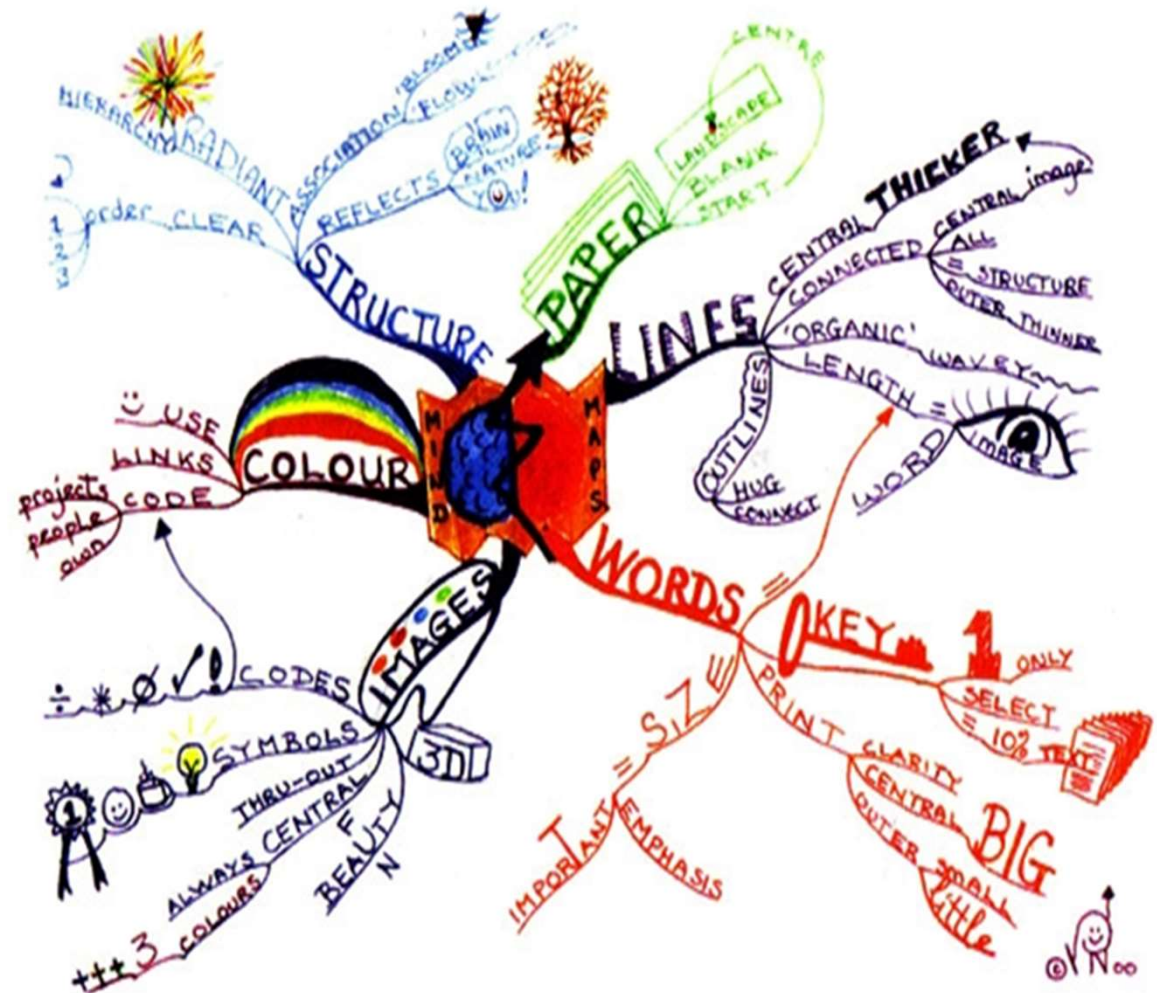
	Demand forecasting	2
	Priliminary investigations of Sol...	0
	Priliminary investigations of Win...	0
	Priliminary investigations of Hyd...	1
	Priliminary investigations of OTE...	0
	Pump storage hydro	1
	Battery Energy storage	8
	Grid connection challenges for ...	4
	Development process for RE	0
	Other	4

4 respondents (20%) answered **system** for this question.



Thinking Tools Useful in Planning: Mind Mapping

Exercise: Use a mind map to
potential RE sources for your
country!



Thinking Tools Useful in Planning: Six Hats

Exercise: Use the six hats to
explore options for RE

