



# STANDARDS AND LABELLING PROGRAMMES IN THE PACIFIC

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*Secretariat of the Pacific Community*



# Outline of Presentation

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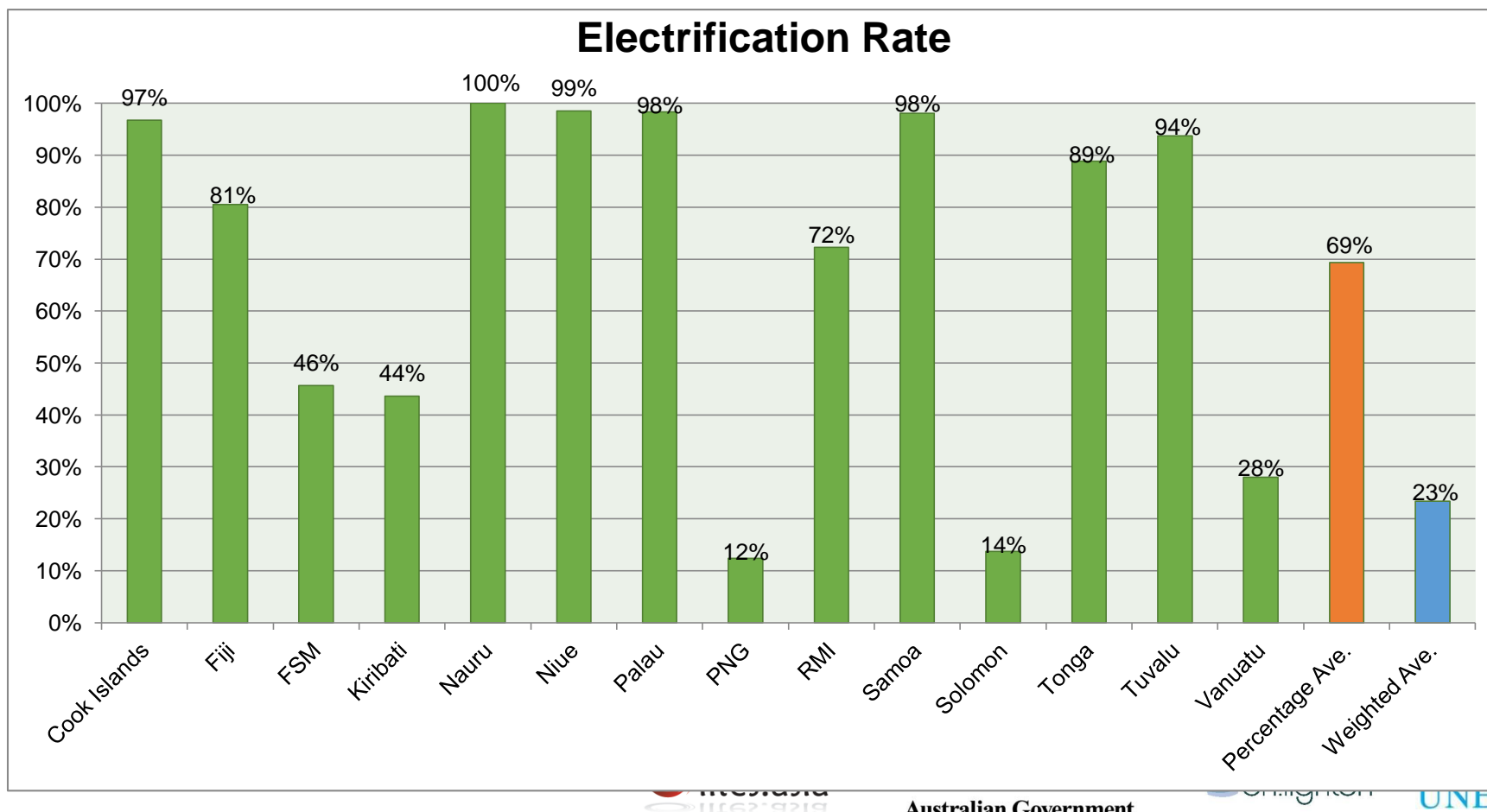
- Background
- How labelling and standards began in the Pacific?
- Potential savings from labelling and standards
- How the PALS programme started?
- What the PALS programme is about?
- PALS Progress

<9<sup>th</sup> Lites.Asia Meeting 22-23 April 2014,>



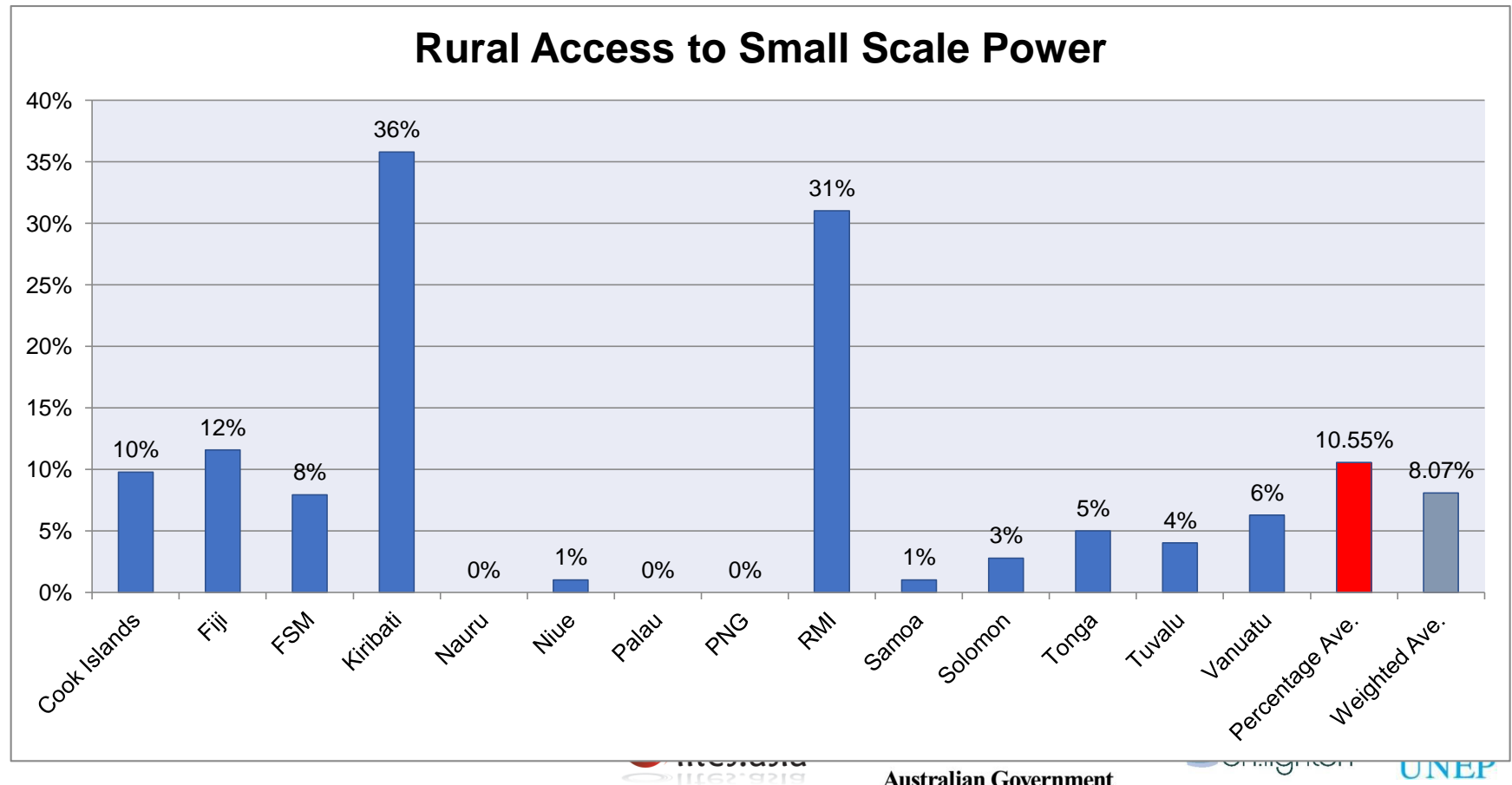
# Grid Electricity Access

3 million of the 10 million people in the Pacific have access to grid electricity



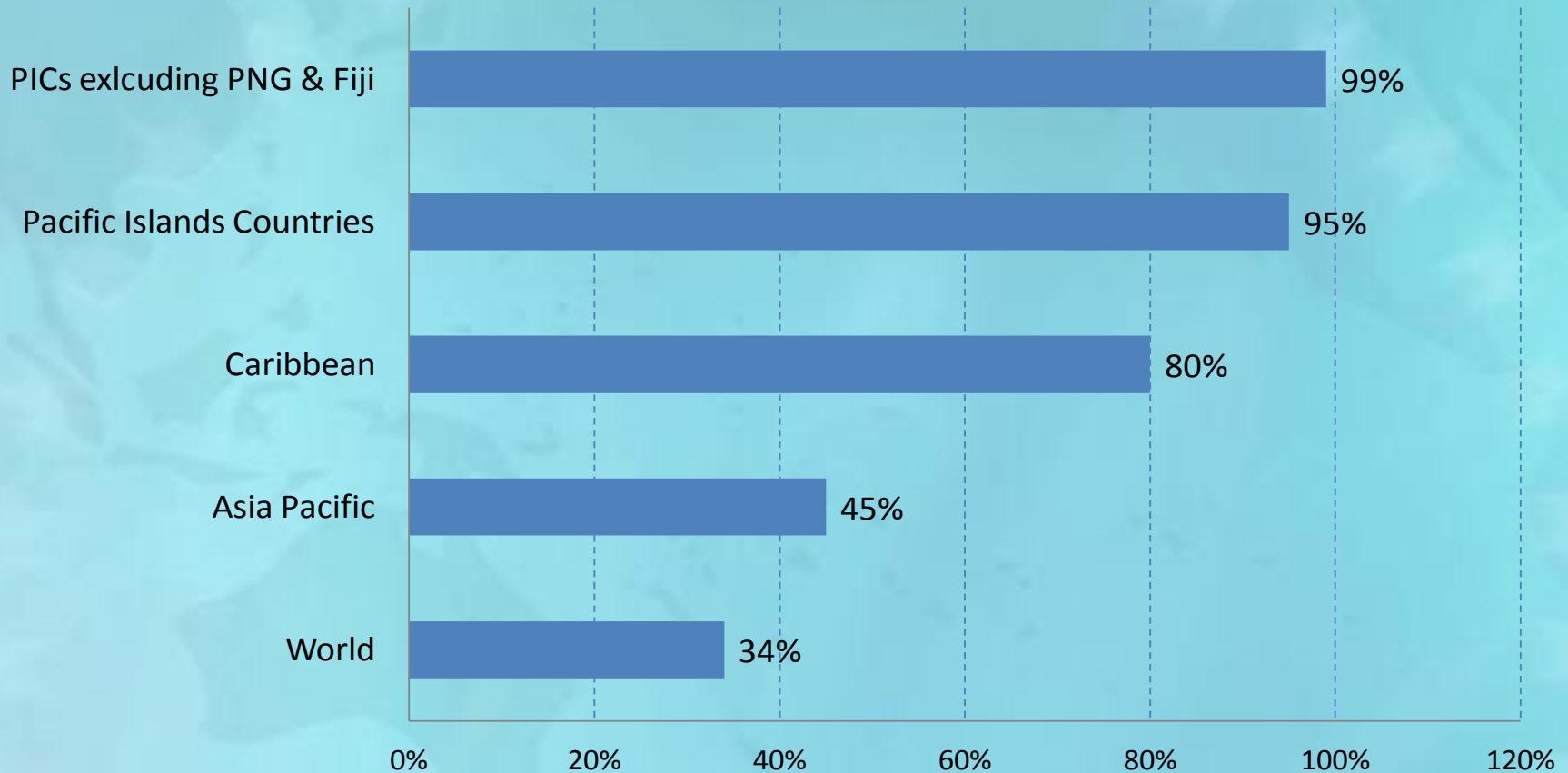
# Rural access to small scale power

**130,000 people of the 2 million people in rural areas have access to small scale power**





# Extreme Petroleum Dependency



Source: International Energy Agency (2009) & ADB Report (2009)

# HOW LABELLING AND STANDARDS BEGAN?

## REGIONAL STUDIES ON LABELLING AND STANDARDS

- The Demand Side Management Potential studies funded by UNDP in 1995 (and conducted by SRC International) for 10 PICs.
  - ❖ energy labelling and MEPS recommended for refrigerators, freezers and air conditioners in the 10 PICs studied.

# REGIONAL STUDIES ON LABELLING AND STANDARDS

- In 1996 a baseline study on appliance labelling and MEPS for 10 PICs was conducted by George Wilkenfeld and Associates & Energy Efficient Strategies
  - ❖ The implementation of energy labelling and/or MEPS for selected appliances is feasible for countries in the Pacific region.

Fiji commenced with Pilot Program in 2002

- In 2010 a situation analysis and feasibility study on the impacts of introducing an appliance labelling programme in Samoa, Tonga and Vanuatu was conducted by IIEC

# REGIONAL STUDIES ON LABELLING AND STANDARDS

- ❖ The 2010 assessment re-affirms the feasibility of implementing energy labelling and/or minimum energy performance standards (MEPS) for household refrigerators, h/hold freezers and room air conditioners.
- 2011 Report on the costs and benefits of introducing standards and labels for electrical appliances by George Wilkenfeld and Associates
  - ❖ Covers 14 PICTs in detail



# 2011 Report

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- ❖ Largest savings potential is in grid-connected or diesel-generating homes, hotels and offices
  - They use the most energy
- ❖ BUT most valuable savings are in renewable-based systems
  - Because generation capital costs are so high

**It is less costly for Pacific Island Countries to import more efficient refrigerators, air conditioners and lights than to import diesel fuel.**

## How much could standards and labelling save the Pacific by 2025?

- USD \$525 million in fuel, generation & maintenance
- 630 million litres of diesel
- 1.7 million tonnes of emissions

*By 2025, these energy efficiency programs could be 'supplying' one eighth of the electricity used in the PICs, pollution free. This would also mean a 12% reduction in generation fuel import costs.*

# PALS – HOW IT BEGAN

- September 2011 - During the 42<sup>nd</sup> meeting of **Pacific Islands Forum** Leaders, the Leaders expressed support for meeting energy efficiency targets, including expanding the existing electrical appliance energy efficiency standards and labelling program to help realise significant energy savings.
- Australia's Prime Minister Julia Gillard, announced her support for standards and labelling in the Pacific.

# PALS PROGRAMME

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- AU\$3 million over three years (2012 - 2015).
- The PALS Program is part of a broader package of multilateral climate change mitigation initiatives under Australia's fast-start finance contribution.
- It is also aligned to Theme 4 & 5 of SPC's FAESP of promoting reliable and efficient electricity generation, distribution and transmission of electricity and the need for energy efficiency and conservation in end-use consumption

# WHAT IS THE L&S PROGRAMME ABOUT?



# TARGET APPLIANCES

- refrigerators and freezers
- air conditioning units
- lights

# MANDATORY IMPLEMENTATION

## Cabinet Endorsement of the PALS Programme

- Cabinet paper for discussion

## Development of legislation/regulation

- Engaging a legal expert
- Drafting of legislation/regulation
- Approval of legislation/regulation

## Awareness

- Public awareness campaign

# MANDATORY IMPLEMENTATION

## Training

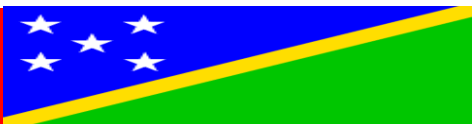
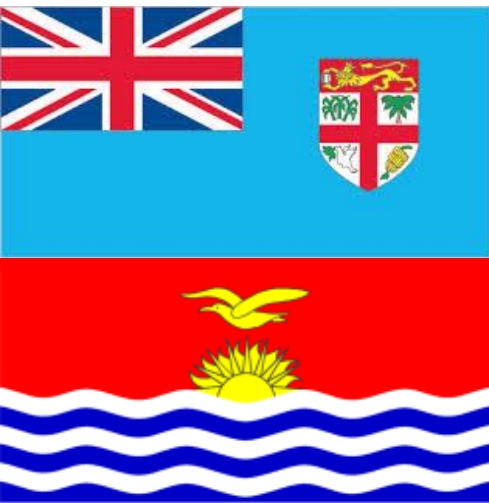
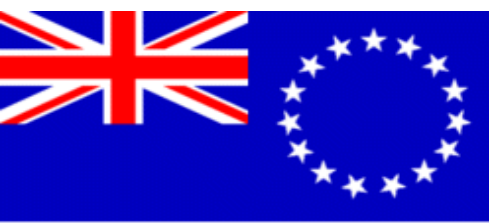
- Training of retailers (shop floor staff), importers, registration of importers, training of Government Officials

## Monitoring and Evaluation

- Compliance and assessment



# PALS PROGRESS



## Participation:

Cook Islands, FSM, Fiji, Kiribati, Papua New Guinea, Palau, RMI, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu

## NATIONAL COORDINATION

Council of Ministers (Cabinet)

Development Committee of Officials

Steering Committee on Energy

Technical Working Group

National Coordinator

## PALS REGIONAL STEERING COMMITTEE

- Policy level advise and guidance to the PM and SPC
- 2 reps - 1 each from SPC & Australian Government
- 3 reps from the PICs
- 1 rep from parallel EE projects

# PALS PROGRESS

## Cabinet Endorsement of the PALS Programme

- Kiribati, Tuvalu, Tonga, Samoa, Vanuatu, Cook Islands, Solomon Islands

# PALS PROGRESS

## Drafting of legislation

- Vanuatu, Cook Islands, Tonga

## Draft legislation/regulation completed

- Kiribati, Samoa

## Awareness

- Kiribati, Samoa, Cook Islands, Fiji, Vanuatu

# PALS PROGRESS

## Legislation development workshops

- Kiribati, Tonga, Samoa, Vanuatu

## Programme evaluation and expanding appliance coverage

- Fiji

## National Coordinators and Project Steering Committee Meetings

- 12 NCs and 3 PSC meetings completed

## Labelling & Standards Officers

- Samoa, Tonga, Vanuatu

# COLLABORATION WITH UNEP ON EFFICIENT LIGHTING

- Development of a regional efficient lighting strategy for PICTs
- At the Pacific Regional Ministers of Energy and Transport meeting from 2-4 April 2014, in Nadi, Fiji, the ministers **endorsed** SPC-UNEP's effort to develop a detailed regional strategy for the transition to efficient lighting in PICTs.

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# Thank you

*<Event title and date>*

