



COUNTRY REPORT

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Solomon Islands



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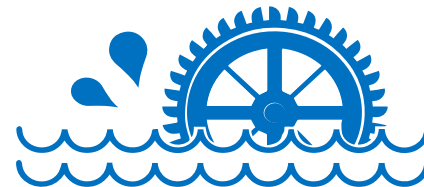
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Population (2019): 669,685
Area: 28,400 km²
Location: 9.6457° S, 160.1562° E
Language: English
Ethnic Groups:
94% Melanesian
3% Polynesian
1.2% Micronesian
1.3% Others

GDP: 2.4 %

Religion: 92% *Christian*, 5%
Animism and 3% *Others*

Political System: *Constitutional
Monarchy*

Major Industries : *Fish (tuna),
mining and timber*

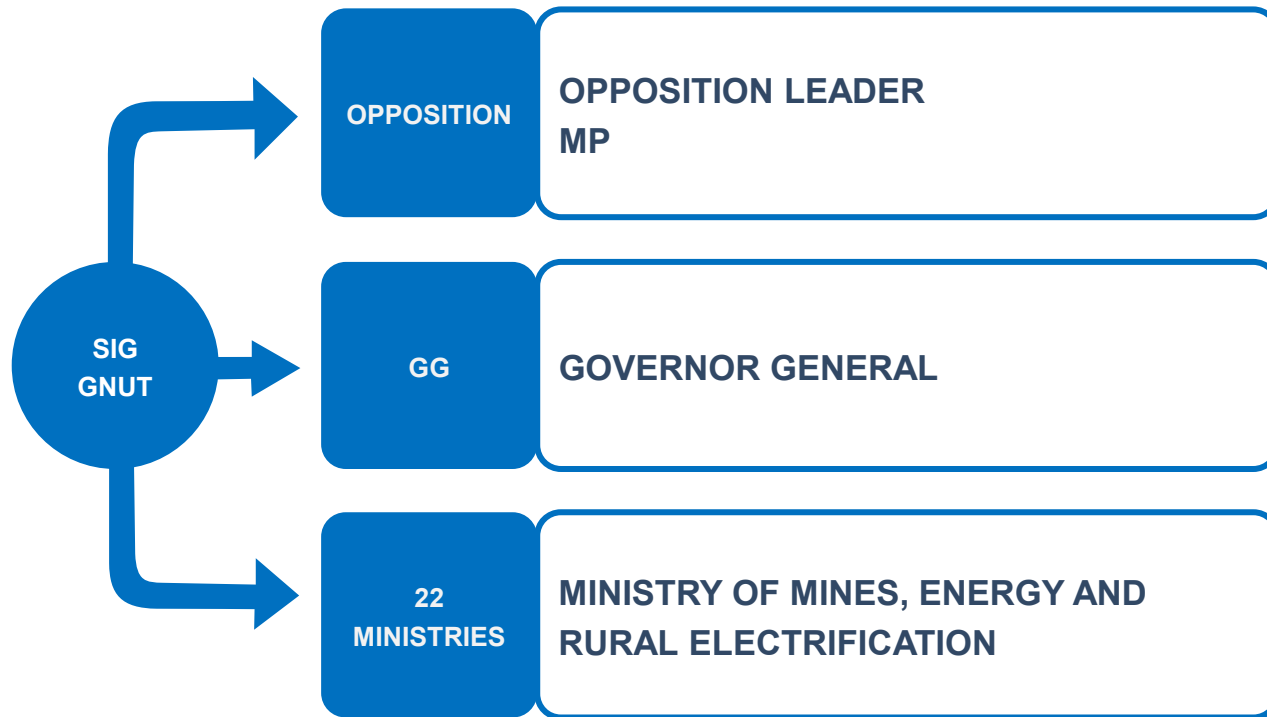
Major Exporting Products: *Timber,
fish, copra, palm oil and cocoa*



About Solomon Islands

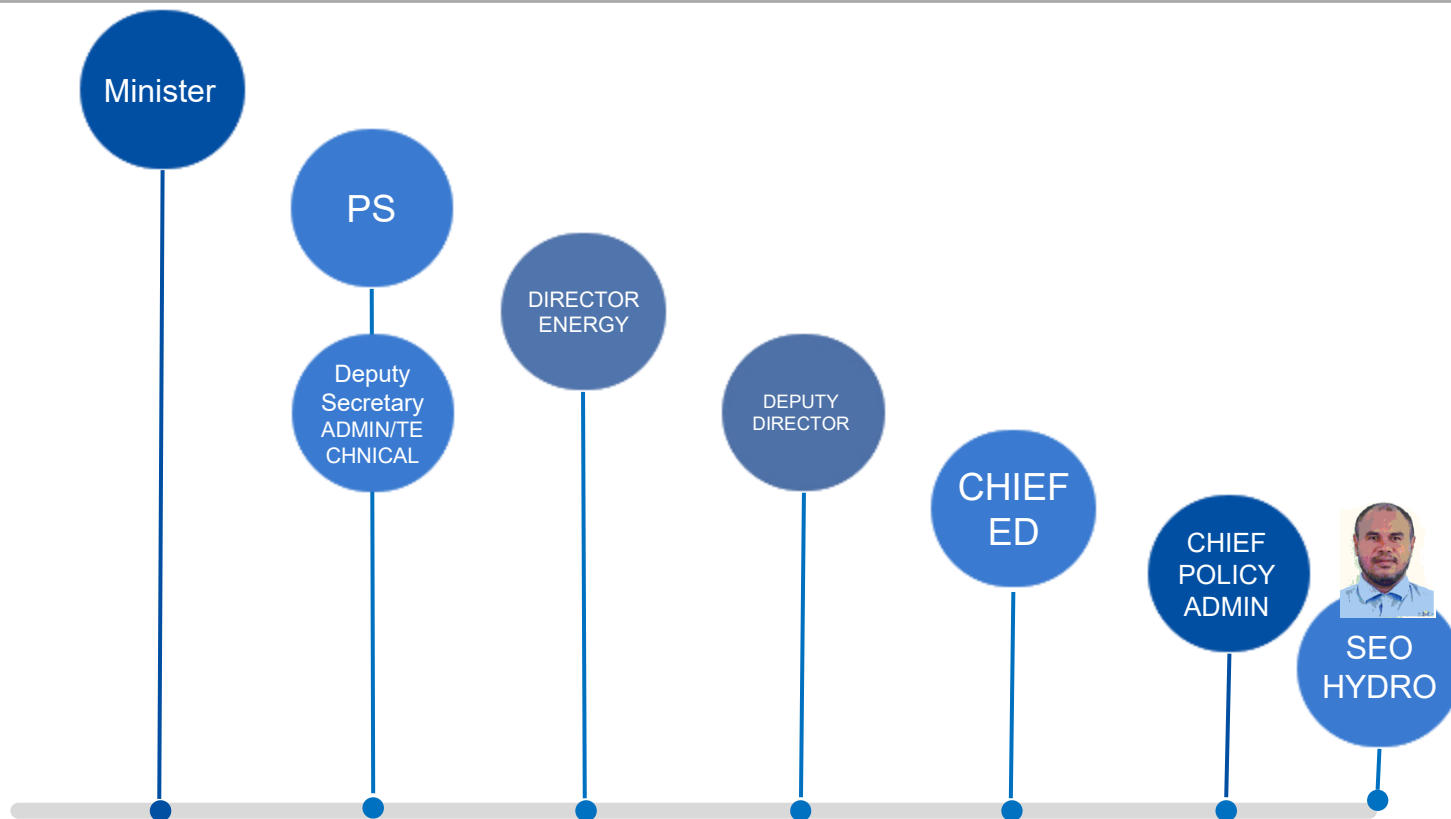


1 SOLOMON ISLAND GOVERNMENT



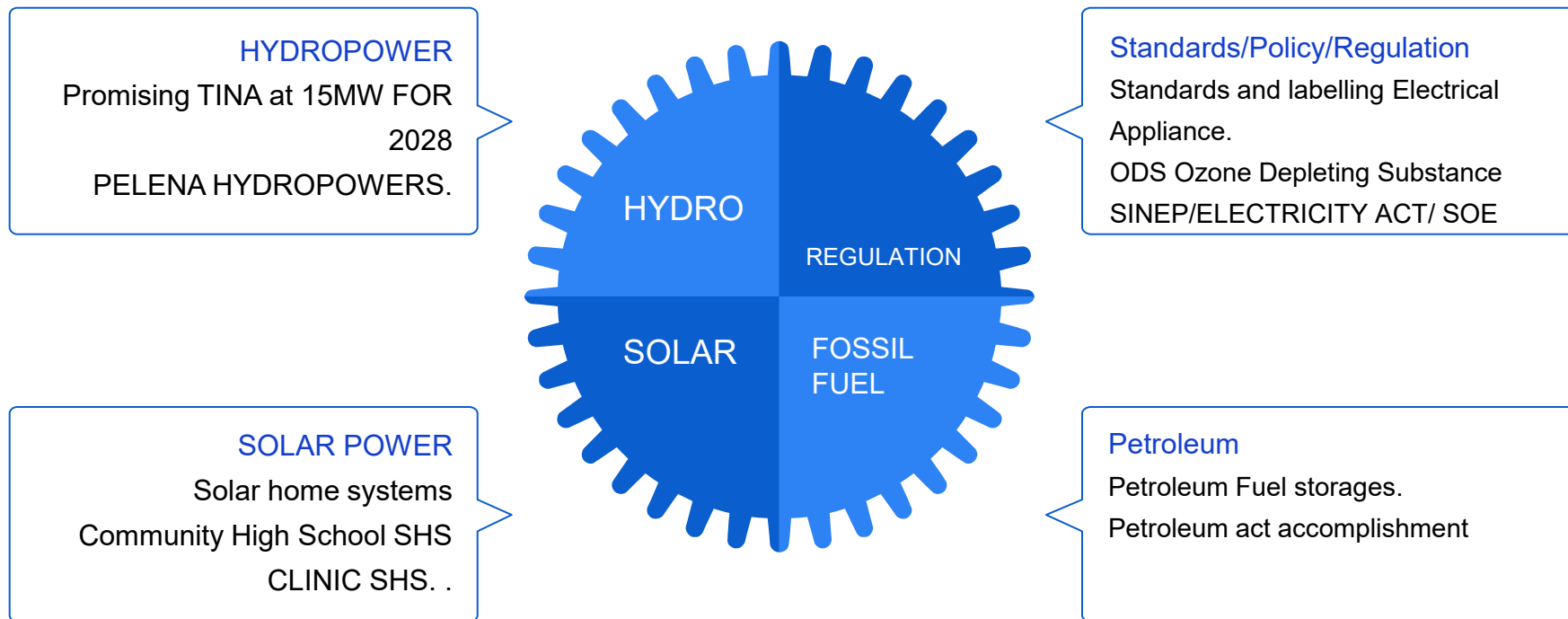


1. Solomon Island Government



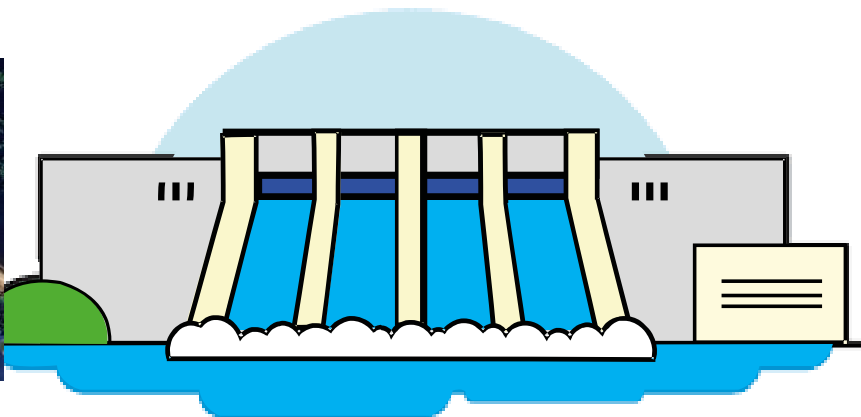


2. Ministry of Mines, Energy and Rural Electrification





3. Hydropower Project



1

TINA HYDRO (15MW)

Expected to start off 2028.

Expected to Reduce Tarrif
conditions.

Access Road near Finishing.

2

BUALA HYDRO 150KW

Ysabel Province

GTZ Solomon Power 1993 - 1996.

Commisioned 1996.

Still Running

3

FALAKE HYDRO 40KW

Funded under Japanese
Embassy.

Falake Agriculture and Forestry
component. (Under
Construction)

later seek fund for extension to
Dala and Kakar Community.



4. Solar Power Projects



04

**1 MW On-Grid Solar PV–
Henderson, Honiara**



03

**224kWp Solar Hybrid–
Taro, Choiseul Province**



02

**50kWp On-grid Solar PV
– HEAD OFFICE RANADI**

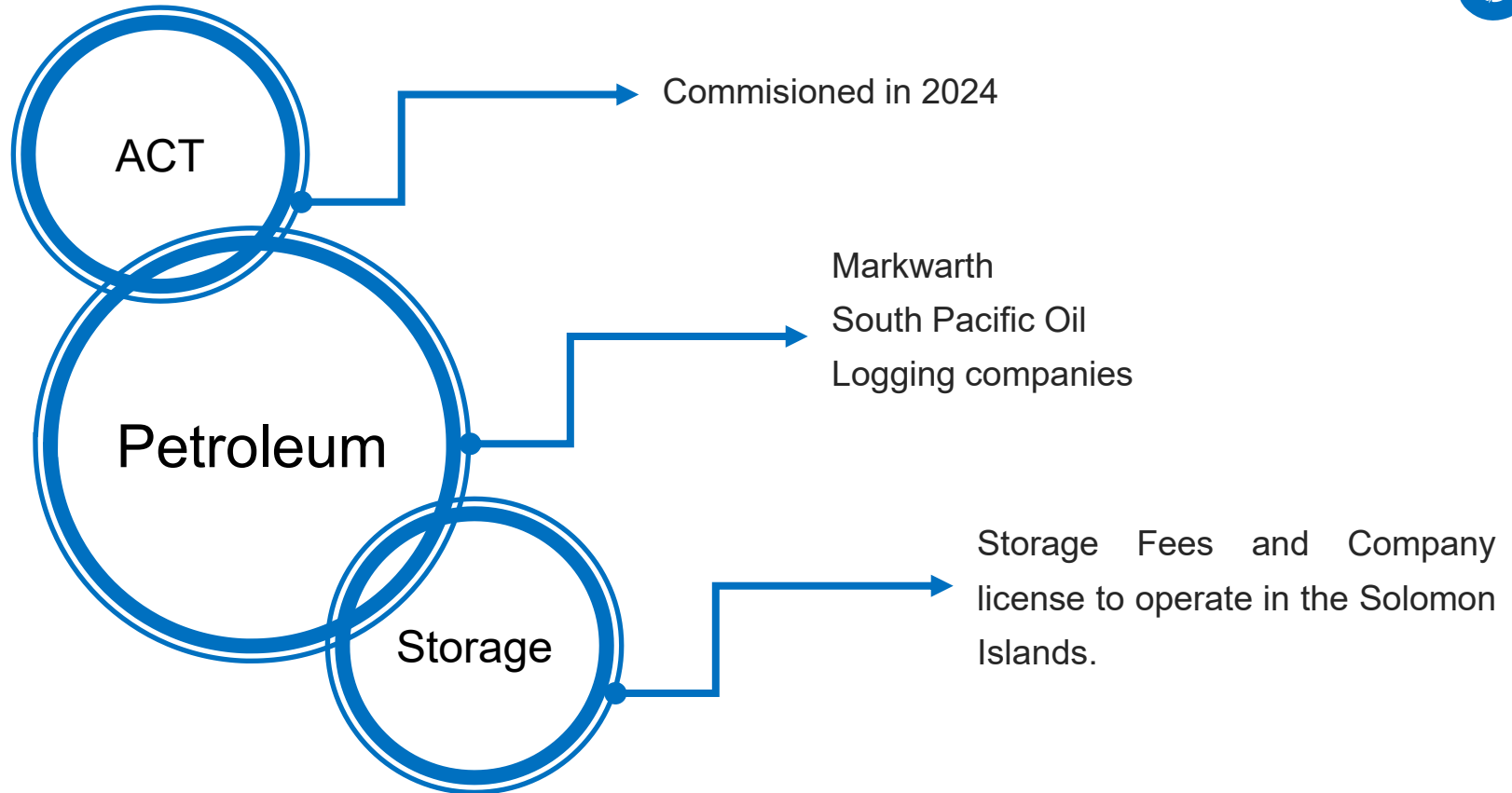
01

**168kWp Solar Hybrid–
Seghe, Western Province**





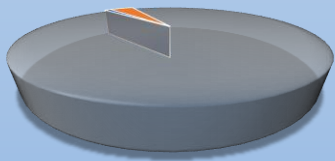
2. Petroleum





5. SOLOMON POWER (ENERGY CAPACITIES n LOAD)

INSTALLED CAPACITY



■ Hydropower ■ Solar Power

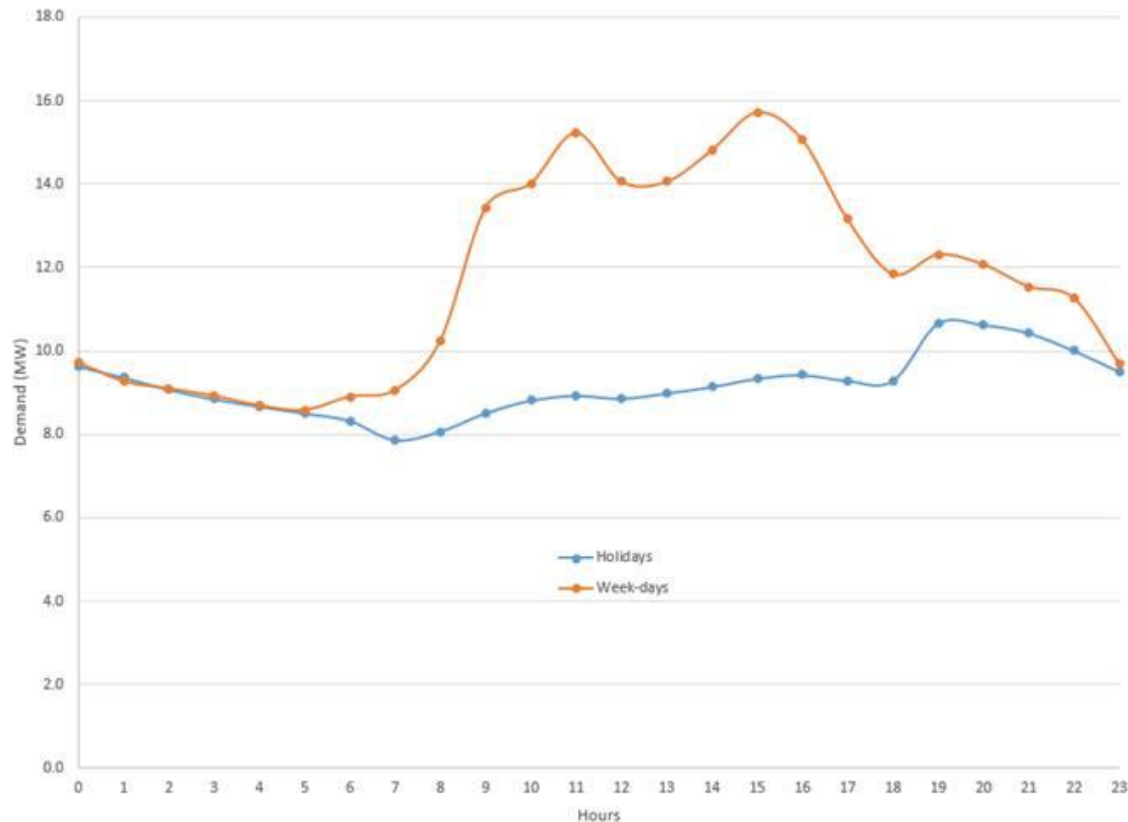
■ Diesel Generators

DIESEL GENERATOR = 95%

SOLAR POWER = 4%

HYDROPOWER = 1%

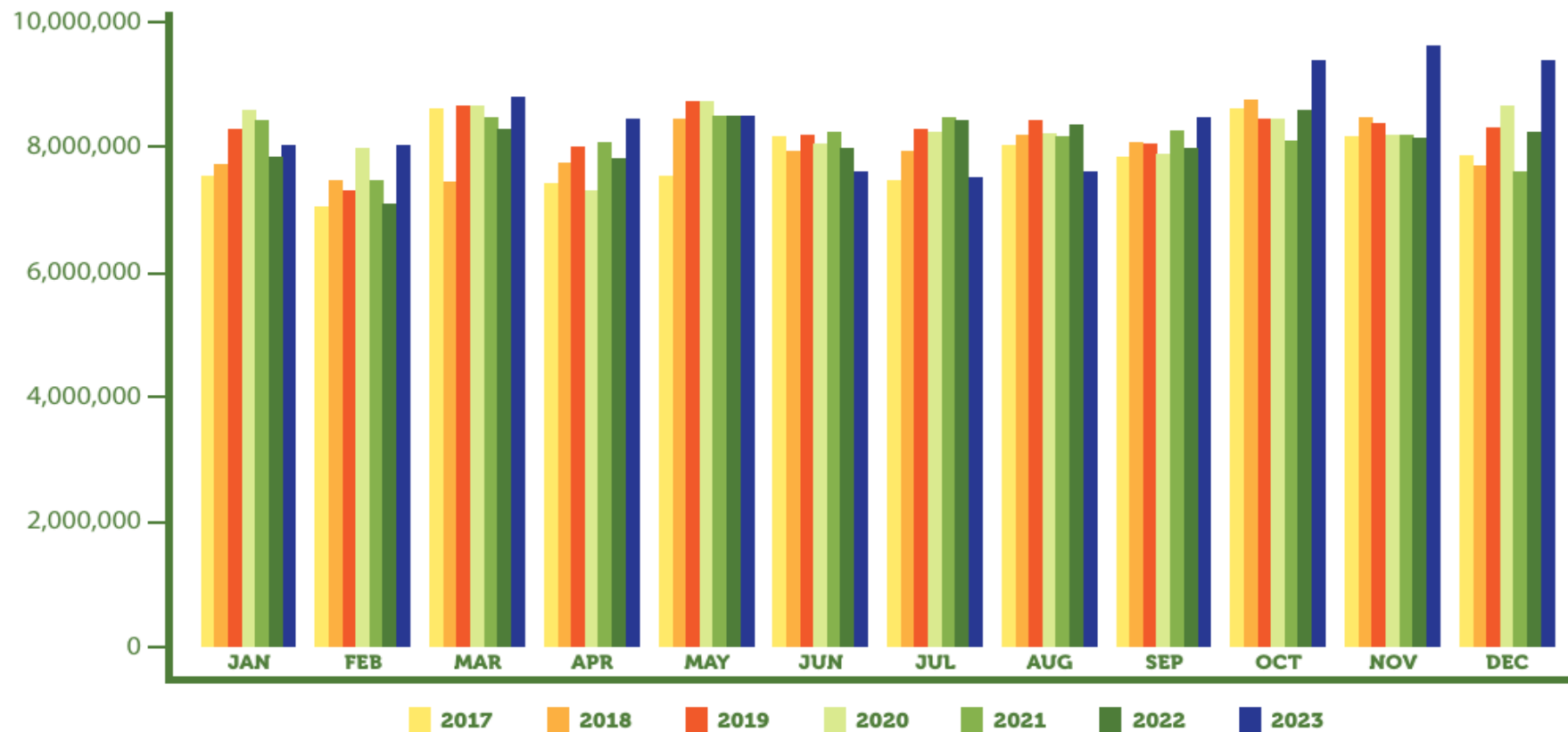
Daily Load Profile in Honiara - Weekdays & Holidays





5. SOLOMON POWER ENERGY SUPPLY 2017 - 2025

Source: Solomon Power

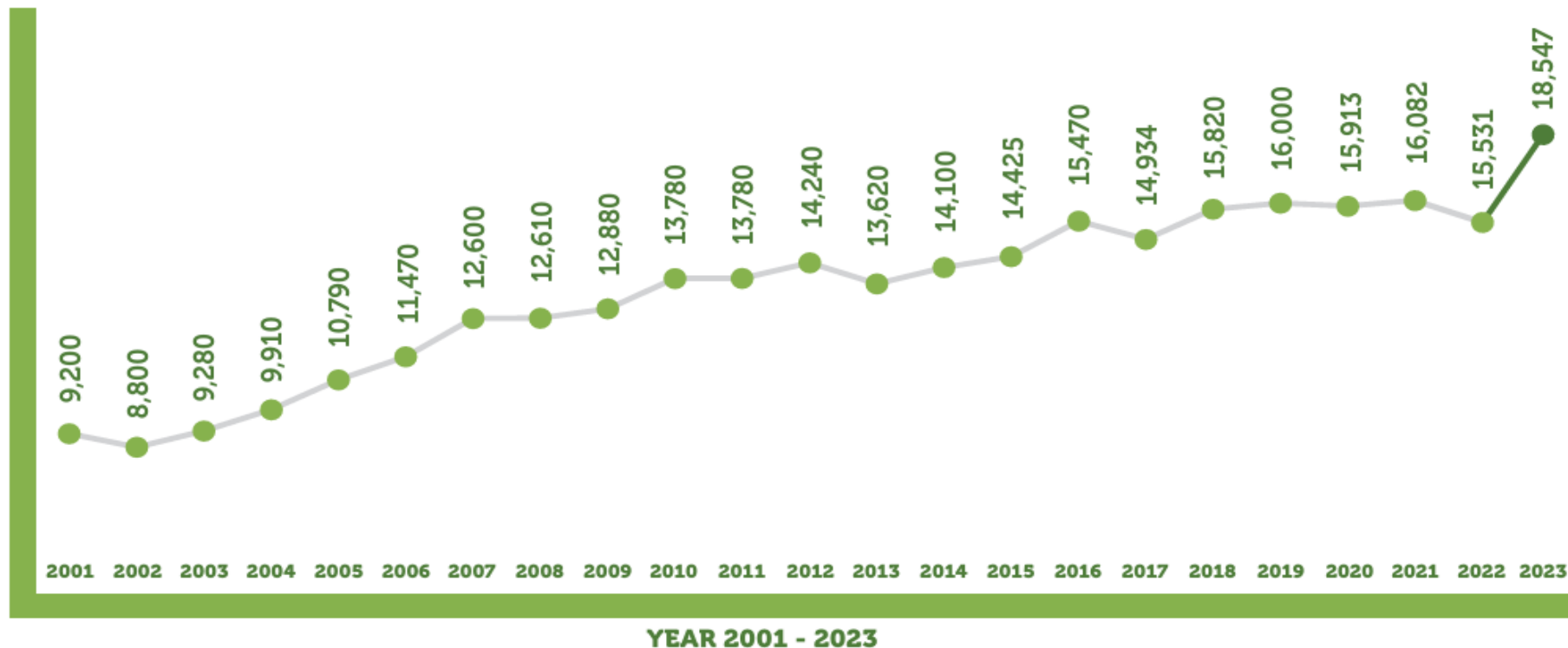




5. Solomon Power Demand History

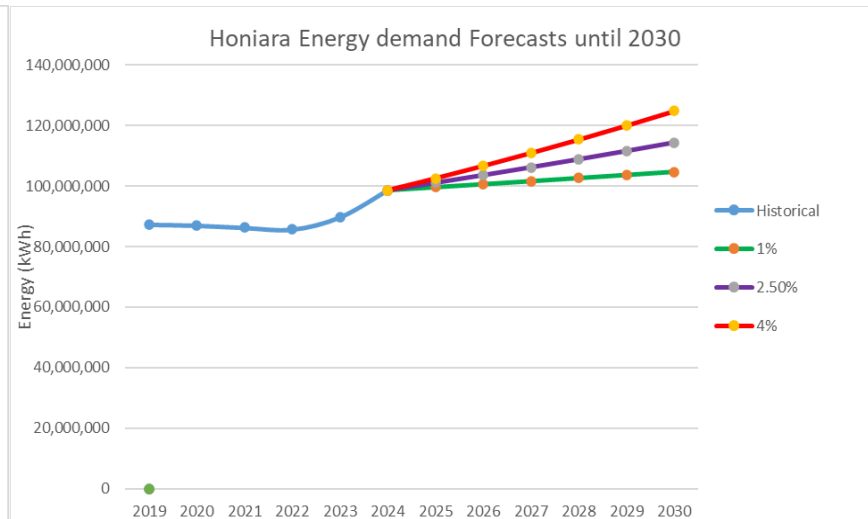
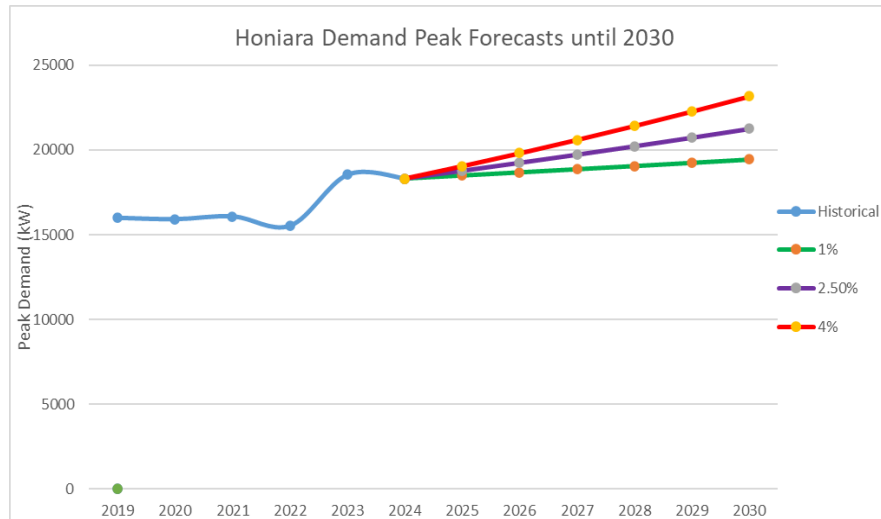
source: Solomon Power

Honiara Peak Demand (kW) from 2001 to 2023



5. Solomon Power(Electricity Demand Forecast for Honiara)

- Utilizes time-series forecasting based on historical data.
- Three different demand (kW or kWh) scenarios; 1%. 2.5% & 4%.



- By 2030, demand in capacity will be approx. 24MW and energy approx. 121GWh



6. Solomon Power Tarrif Rate

Source: Bank South Pacific:
Exchange Rate : 0.1217 SBD -USD

Prepaid Customer				
Caustomer Cartegories	Consumption Block	Non Fuel Charge USD/KWh	Fuel Charge USD/KWh	Total Energy Charge USD/Kwh
Domestic	<50Kwh	0.3711	0.3273	0.6985
Domestic	50 - 200Kwh	0.4333	0.3273	0.7606
Domestic	>200Kwh	0.4953	0.3273	0.8227
Commercial	all	0.3724	0.3273	0.6998
Industrial	all	0.3554	0.3273	0.6827



6. Tarrif Rate Key Details

- **Reduction: 8.3% decrease in Electricity Tarrif**
- **Dated Jan 1 2025**
- **Reason: Mnistry of Mines, Energy and Rural Electrification policy and act to reduce tariff by 25% over three years.**
- **Focus: Reduction in Non-Fuel Charge component of Tariff**
- **Fuel Charge: Not impacted as its a pass- through cost linked to international fuel price.**
- **Impact: Overall energy charges decreased by 9.6% compared to December 2024.**
- **Tina Hydropower sets 15MW under development to finish in 2028 promise to reduce tariff rate.**

7. ENERGY ACT AND POLICY UPDATE 2025



SOLOMON ISLAND ENERGY ROAD MAP(RERM)

- PMO Request as at 2025
- Pending review draft before Documentation compilation.
- Contracted consultant



ELECTRICITY ACT AMMENDMENT

PMO Request 2025.
Drafting Instruction for Editing and consultant awarded to amend.

NATIONAL ENERGY FUND

- Funding body to uphold Rural Electrification projects.
- Framework to complete and programmed



SINEP Solomon Island National Energy Policy

- Version policy amendment for 2025 – 2030.
- Review 2020 - 2025
- SINEP



Independent Energy Regulatory Body

- Formation of Independent Regulatory Body for Tariff control systems.
- SOE Solomon Power as IPP.
- Extracted out from Electricity Act.



8. Energy Roadmap, Policy and Electricity act Situation and Way forward



Solomon Island Energy Road map, policy and act Issues and solution

- 1.Current contracted consultation company for Electricity act amendment.**
- 2.Current Fostering neighbouring and international countries for policy adoption.**
- 3.Optimal capacities in human resources contribution towards Roadmap, Policy and Electricity act amendments .**
- 4.Appropriate policy training to resolve policy issues.**
- 5.Policies and Electricity Act pending Energy Road map accomplishment.**
- 6.Technology policies, Hydropower Policy, Solar power policy, other RE policy.**
- 7.Certain and Limited Experience in RE technologies in RE policies.**
- 8.Policy and act gaps to confirm for 2025 - 2030(5) from trainings (JICA).**
- 9. learn and share experiences with policy issues.**
- 10. Venture through training for options to alleviate fossil fuel dependant generators.(Diesel Generator Operated Country)**



8.Solomon Power. (State Own Enterprise)



DIESEL OPERATED COUNTRY

- Our greatest expense is still diesel- 48.5%
- Diesel price – SBD9.45/L approx. USD1.15
- We use about 24 million litres of diesel annually
- Operations in Honiara, Auki, Buala, Gizo, Kirakira, Lata, Malu'u, Munda, Noro, Seghe, Taro and Tulagi
- Head Office in Honiara
- Staff of 255 (permanent)
- Pre-pay (Cash Power) and Post pay (kW) customers
- 19,500 customers (as at 31 May 2019)
- Generate: 11kV @50Hz
- Transmit/Distribute: 33kV and 11kV
- Supply: 415V/240V



8. Solomon Power. (State Own Enterprise)



- Design and Construct contract for 2000kW in total for 5 hybrids (solar, battery storage and diesel back up) already signed:
 - Malu'u- 140kWp solar , 900 kW battery, 130kW diesel
 - Tulagi- 250kWp solar, 1950kW battery, 300kW diesel
 - Kirakira- 320kWp, 1950kWh battery, 332kW diesel
 - Munda- 1000kWp solar, 6300kWh battery, 280kW diesel
 - Lata- 290kWp solar, 1800kWh battery, 220kW diesel
- Construction has already commenced at Munda
- All equipment has been ordered, some already received in Honiara
- Partly funded by the Asian Development Bank
- Staged commissioning late 2019 and during 2020

Signed a Design and Construct contract for Solar hybrids at:

- Hauhui (Malaita) 240kW Solar + Storage + Genset Back-up
- Sasamunga (Choiseul) 240kW Solar + Storage + Genset Back-up
- Vonunu (Western) 135kW Solar + Storage + Genset Back-up
- Namugha (Makira/Ulawa) 200 kW Solar + Storage + Genset Back-up

WORLD BANK FUND PROJECT

- Electricity Access and Renewable Energy Expansion project
- 5 new hybrid stations (Tingoa, Visale and three more locations)
 - Tingoa and Visale- tender in market in July 2019
- Grid connect solar in Honiara
 - 2000 kWp Solar Farm at Henderson (tender stage)
 - 220 kWp Solar installation on Ranadi office roof top (tender stage)
- Output Based Aid for 1500 low income customers
- Technical assistance for project management and tariff review
- Output Based Aid project (USD2.225million) to provide electricity
- To low income customers (2488 customers)
 - Free house wiring and free service connection
 - Minimal payment for the cashpower meter
- Already 1500 customers are connected in Honiara, Auki, Taro and Seghe
- Another 988 are to be connected by 31 March 2020



Arigato

Q/A