



PFAN 2nd Round table on Financing Energy Access in the Pacific

Department of Energy



Brief Introduction

- ▶ Name: Department of Energy
- ▶ Ministry: Infrastructure and Meteorological services.
- ▶ Sector: Energy
- ▶ Major Focus: Rural Electrification, Renewable Energy Development, Demand Side Management (Energy efficiency and Conservation), Petroleum, Policies and etc.
- ▶ Developing Partners: EFL, Government Ministries, Private Companies and Institution, International Organization (EU, KOICA, JICA, IRENA, ISA, GIZ, GGGI, SPC, UNESCAP, ADB, World Bank, Embassies) and other Donor Agencies.
- ▶ Targets - 100% electricity access by 2021, 100% renewable energy by 2036 and net carbon zero by 2050.
- ▶ Current Access - 96% in 2017 (79% grid and 12% Solar).
- ▶ Work Required - 20% of the population for sustainable 24 hour Supply.



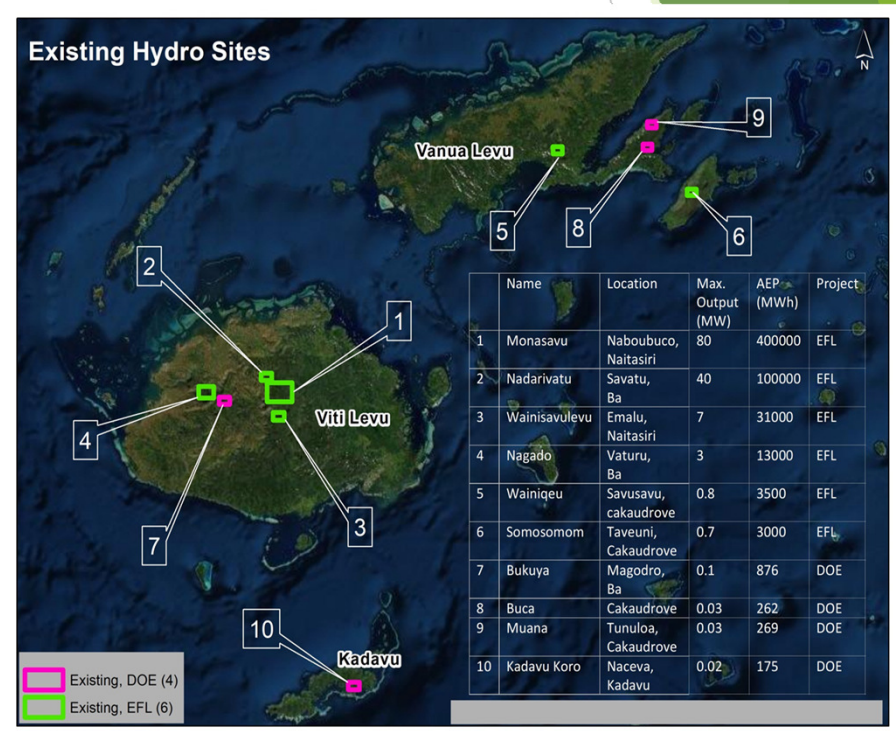
Solar Home System

- ▶ Technology - Solar
- ▶ Current Installation - 13,500 systems
- ▶ System Size - 300 Watts Panels, 300watts inverter, 5 lights, 40Ah/day load.
- ▶ Approximate cost - \$3800/ system
- ▶ Sites - Rural, Remote and Isolated areas.
- ▶ Pending Assistance - more than 5,000 homes.
- ▶ Current Model - \$18/monthly rental, Government own and maintain the system.
- ▶ Future Model - Hand over to customers, No Revenue Collection, private Companies to sell spare parts, and Government to provide advice and assistance.



Buca Hydro

- ▶ Project Commissioned - 2011
- ▶ Benefit - Buca Village almost 70 houses.
- ▶ Current Status - technical Problem in Motor turbine.
- ▶ Future Scope - Upgrade turbine to 120kW. The upgrade of turbine will supply additional 400 houses nearby village including 1 school, health center etc.
- ▶ Approximate Budget would be around fjd250K.
- ▶ Model - PPP Model, cooperative, and company.



Upgrading of Diesel Generators to PV/ESS/Diesel Hybrid System

- ▶ Currently department is rehabilitating Diesel system which were damaged in Tropical Winston.
- ▶ The Systems have now new underground reticulation and new House wiring.
- ▶ The system can be converted to PV/ESS/Diesel Hybrid System.
- ▶ Model - PPP and cooperative

NOS	LOCATIONS	NO. OF HOUSES ON CONTRACTS
1	SAWANA VILL	105
2	LOMALOMA VILL	58
3	MAVANA VILL	84
4	MUALEVU VILL	94
5	MUDUVILL	69
6	NAKODU VILL	88
7	NAMACUVILL	76
8	NACAMAKI VILL	101
9	NAQAIDAMU VILL	69
10	NASAU VILL	100
11	KORO HIGH SCH	44
12	TUATUA VILL	89
13	NABUNA VILL	47
14	NAVAGA VILL	61
15	NABASOVI VILL	63
16	KADE VILL	65
17	SINUVACA VILL	70

Thank You

