## Marshall Islands – General Info

Capital City	Majuro
Population	53,158 (RMI Census, 2011)
No. of islands	1,250
Currency	US Dollar
No. of visitors	4,876 (2014); 4,333 (2013); 4,590 (2012)
Area	181 km² (Land), 370.4 km² (coastline)
Natural Resources	Coconut products, marine products, deep seabed minerals
Activities	SCUBA Diving, Sports Fishing, Surfing, World War II Relics, Conference
Accommodation	10 (2 major hotels)



## **Marshall Islands Resort**













Rooms	150
Employees	100
Occupancy Rate	70% - 85%
Area of Entity	28,000 ft <sup>2</sup>
Electricity Consumption	40MWh/mo (US\$20,000)
LPG Consumption	55,000 lbs/yr (US\$30,000)
Diesel Consumption	9,600 gal/yr (US\$31,000)
Water Consumption	960,000 gal/yr
Operating Hours	24 hours
RET	None



## **Hotel Robert Reimers**













Rooms	41
Employees	20
Occupancy Rate	80%
Electricity Consumption	341 MWh/yr (US\$146k)
LPG Consumption	22,400 lbs/yr (US\$41,000)
Diesel Consumption	6,000 gal/yr (US\$19,500)
Water Consumption	202,000 gal/yr (US\$8,900)
Waste Disposal	1,000 kg/yr (US\$840)
Operating Hours	24 hours
RET	None



## **Challenges/Constraints**

### Access to Finance

- High interest rates[13% 18.5%]
- Short loan term [5 yrs. max]

### Marshalls Energy Company

- MIRC Title 31,
   Chapter 1 Article
   252.5
- Aging infrastructure [30+ yrs.]
- MEC Grid –890kWp of PV[JICA Study]

# Weak Government Support

- Lack of grants/subsidy to promote RE
- Weak legislation
  - Net metering/Feedin-tariff



## Future Plans/Opportunities

#### **Marshall Islands Resort**

### 300kWp Grid Connect PV System

- EE initiatives taken
  - Split-unit Inverter ACs
  - Tankless water heaters





### **Hotel Robert Reimers**

Solar Water Heating System (2,000 gal)

Replace existing water heating system

Solar Desalination System

- 8kWp, 12V 200Ah batteries x 18
- Up to 28,000 gal/day
- 20kVA diesel generator backup

100kWp Grid Connect PV System



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