

## Population and Economy

Population Size **112,640**

Total Area Size **700 Sq. Kilometers**

Total GDP **\$402 Million**

Gross National Income (GNI) per Capita **\$3,400**

Share of GDP Spent on Imports **65.4%** Fuel Imports **15%**

Urban Population Percentage **22.8%**

## Electricity Sector Overview

### Installed Capacity

Chuuk **5.7 MW**  
Kosrae **2.75 MW**  
Pohnpei **8.0 MW**  
Yap **5.5 MW**

Renewable Capacity Share **14%**

### Peak Demand (2018)

Chuuk **2.7 MW**  
Kosrae **1.2 MW**  
Pohnpei **6.6 MW**  
Yap **2.3 MW**

Total Generation (2017) **68 GWh**

Transmission and Distribution Losses **17%**

### Electricity Access **75.4%** (total population)

Urban **91.9%**  
Rural **70.7%**

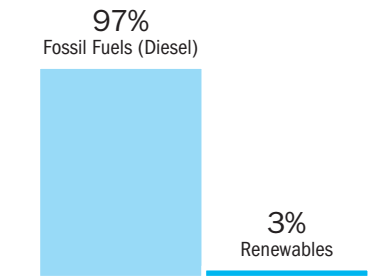
### Electricity Access By Island

Chuuk **27%**  
*90% on main municipality island of Weno*  
Kosrae **96%**  
Pohnpei **95%**  
Yap **70%**

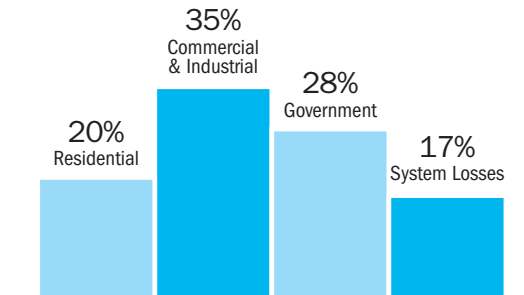
### Average Electricity Rates (USD/kWh)

Residential **\$0.43**  
Commercial & Industrial **\$0.46**  
Government & Public Authorities **\$0.48**

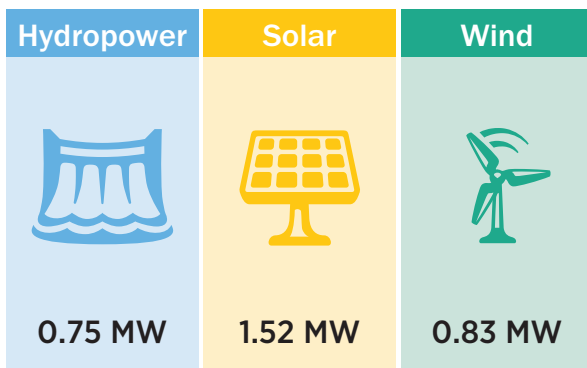
### Electricity Generation Mix



### Electricity Consumption by Sector



## Renewable Energy Status



## Targets

### Renewable Energy Generation

 **30%** by 2030

### Energy Efficiency

 **50%** Increase by 2020

<http://documents.shihang.org/curated/zh/965401535425085323/pdf/Concept-Project-Information-Document-Integrated-Safeguards-Data-Sheet-SUSTAINABLE-ENERGY-DEVELOPMENT-AND-ACCESS-PROJECT-P165183.pdf>

## Existing Policy and Regulatory Framework

### Renewable Energy

Feed-in Tariff

Net Metering ○

Interconnection Standards

Energy Access (Electrification Rate)

Renewable Portfolio Standard

Tax Credits

Tax Reduction or Exemption

Public Loans or Grants

Auctions or Reverse Auctions

Green Public Procurement

Energy Storage

### Energy Efficiency

Energy Efficiency Standards ○

Tax Credits

Tax Reduction or Exemption

Public Demonstration ○

Restrictions on Incandescent Bulbs ●

Appliance Labeling Standards

Minimum Energy Performance Standards

Building Codes ○

Green Public Procurement ●

EE Loan Programs

Rebates

### Targets

Renewable Energy ●

Energy Efficiency ●

Transportation

● In Place   ○ Proposed



## Government and Utility

### Government Institution for Energy

Division of Energy, Department of Resources and Development  
<http://www.fsmrd.fm/energy/>

### Government Institution for Disasters

Department of Environment, Climate Change, and Emergency Management, FSM  
<https://fsm-data.sprep.org/group/department-environment-climate-change-emergency-management-decem-fsm>

### Utility(s)

Chuuk Public Utility Corporation  
<https://www.cpuc.fm>

Kosrae Utilities Authority  
<https://kosraepower.com>

Pohnpei Utilities Corporation  
<https://pohnpeipuc.fm>

Yap State Public Service Corporation  
<https://yspsc.org>



## Energy Security and Resilience

Environmental Social and Management Plan (ESMP) for Upgrades and Expansions to Existing Power Stations and Networks  
<http://www.fsmrd.fm/wp-content/uploads/2018/06/FSM-ESDP-ESMP-PDF.pdf>

Energy Master Plans for the Federated States of Micronesia  
[https://islands.irena.org/-/media/Files/IRENA/Sids/fsm\\_energy\\_master\\_plans\\_final\\_report\\_-\\_april\\_2018a.ashx](https://islands.irena.org/-/media/Files/IRENA/Sids/fsm_energy_master_plans_final_report_-_april_2018a.ashx)

FSM Nationwide Climate Change and Disaster Risk Management Policy  
<https://fsm-data.sprep.org/dataset/fsm-nationwide-climate-change-and-disaster-risk-management-policy>

Federated States of Micronesia Strategic Development Plan 2004-2023  
<https://fsm-data.sprep.org/system/files/cobp-fsm-2015-2017-sd-02.pdf>

FSM Nationwide Climate Change Policy 2009  
[https://fsm-data.sprep.org/system/files/Nationwide\\_Climate\\_Change\\_policy.pdf](https://fsm-data.sprep.org/system/files/Nationwide_Climate_Change_policy.pdf)

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