

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%**

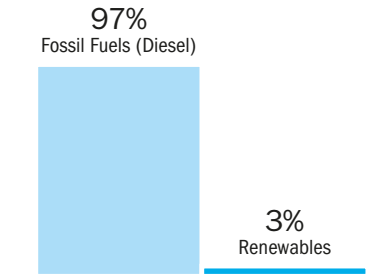
Electricity Access By Island

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

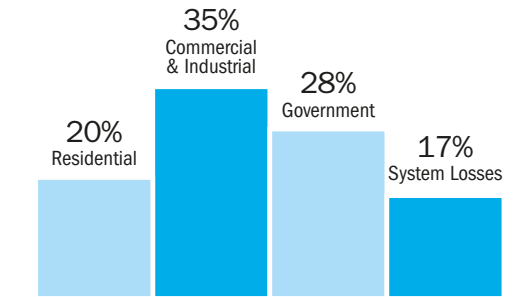
Average Electricity Rates (USD/kWh)

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

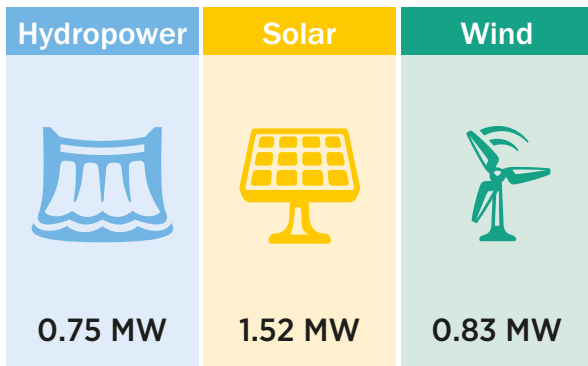
Electricity Generation Mix



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-Documents-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

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

This document was developed by the National Renewable Energy Laboratory. The information included in this document is for general information purposes only. While reasonable attempts were made to provide accurate data, this document was prepared using data from multiple sources, including public sources.