

Population and Economy



Population Size **106,977**

Total Area Size **350 Sq. Kilometers**

Total GDP **\$3.98 Billion**

Gross Domestic Product (GDP) per Capita **\$35,938**

Share of GDP Spent on Imports **101%**

Urban Population Percentage **95.8%**

Electricity Sector Overview

Installed Capacity **238 MW**

St. Thomas **138 MW** St. Croix **100 MW**

RE Installed Capacity Share **9%**

Includes net-metered installations.

Peak Demand **94 MW**

St. Thomas **56 MW** St. Croix **38 MW**

Total Generation **629 GWh**

Transmission and Distribution Losses

St. Thomas and St. John **6%** St. Croix **13%**

Energy Access **100%** (Total Population)

Average Electricity Rates (USD/kWh)

Residential **\$0.40** (first 250 kWh/month)

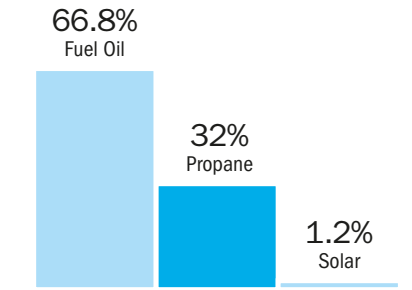
Residential **\$0.43** (above 250 kWh/month)

Commercial **\$0.465**

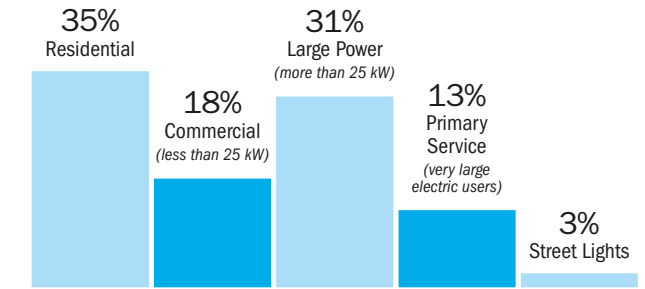
Industrial **\$0.46**

+ **\$2.51** demand charge

Generation Mix (2019)

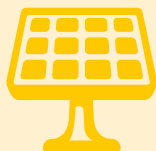


Energy Consumption by Sector



Renewable Energy Status

Solar



21 MW

Targets <https://programs.dsireusa.org/system/program/detail/4020>

Renewable Energy (peak demand generating capacity)

 **20%** by 2015 **25%** by 2020 **30%** by 2025

Increasing until 51% of generating capacity is derived from renewable or alternative energy.

Fossil Fuel Based Energy Reduction

 **60%** by 2025

<https://fas.org/sgp/crs/row/R45105.pdf>

Existing Policy and Regulatory Framework

<https://programs.dsireusa.org/system/program?state=VI>

Renewable Energy

- Feed-in Tariff ●
- Net Metering / Net Billing ●
- Interconnection Standards ●
- Energy Access (Electrification Rate) ●
- Renewables Portfolio Standard ●
- Tax Credits
- Tax Reduction or Exemption ●
- Public Loans or Grants
- Auctions or Reverse Auctions
- Green Public Procurement
- Energy Storage
- Rebates ●

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 Building Certification Program
- EE Loan Programs
- Rebates ●

Targets

- Renewable Energy ●
- Energy Efficiency ●
- Transportation

● In Place ○ Proposed



Government and Utility

Government Institution for Energy
Virgin Islands Energy Office
<https://energy.vi.gov>

Regulatory Entities
Virgin Islands Public Services Commission
<https://psc.vi.gov/>

Utility(s)
Virgin Islands Water & Power Authority
<http://www.viwapa.vi>

Government Institutions for Disasters
United States FEMA
<https://www.fema.gov>

Virgin Islands Territorial Emergency Management Agency (VITEMA)
<http://www.vitema.vi.gov>

Virgin Island Office of Disaster Recovery
<http://www.usviodr.com>



Energy Security and Resilience

Infrastructure and Protection Plans

United States Infrastructure Protection Plan under the Department of Homeland Security

<https://www.cisa.gov/national-infrastructure-protection-plan>

Integrated Resource Plan (IRP)

<http://www.viwapa.vi/docs/default-source/default-document-library/draft-2019-wapa-integrated-resource-plan.pdf>

Virgin Islands Water and Power Authority: 2021 Strategic Plan

http://www.legvi.org/committeemeetings/Government%20Operations,%20Consumer%20Affairs,%20Energy%20and%20Environment%20and%20Planning/Committee%20Hearing/03-01-2019/Items%20Requested%20Through%20the%20Chair/WAPA/WAPA%20Strategic%20Plan%202021/WAPA_StrategicPlan2021_0117.pdf

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