This document presents Suriname’s Energy Report Card (ERC) for 2020. The ERC provides an overview of the energy sector performance in Suriname. The ERC also includes energy efficiency, technical assistance, workforce, training, and capacity building information, subject to the availability of data.

This ERC includes data and information that was provided by government ministries, agencies, or departments, with responsibility for energy, utilities, and statistical offices. The data collected was supplemented by internet research, author calculations and inferences. This data is a collection from a variety of public sources and, as such, is for general information only. It is not intended for decision-making purposes, and therefore reliance placed on the information herein is strictly at the user’s risk.
ENERGY SECTOR PERFORMANCE AGAINST TARGETS

26%
2020 performance
Installed Renewable Energy Capacity

52%
National Target (Proposed by CARICOM -CSERMS Report) by 2027
Installed Renewable Energy Capacity

35%
National Target by 2023
Installed Renewable Energy Capacity

2020 Performance
35% Installed Renewable Energy Capacity
National Target by 2023
52% Installed Renewable Energy Capacity
National Target (Proposed by CARICOM -CSERMS Report) by 2027
KEY ENERGY STAKEHOLDERS

Government Ministries, Departments and Agencies
- Ministry of Natural Resources
- Ministry of Spatial Planning and Environment

Fuel Suppliers
- SOL Suriname
- Roy Boedhoe
- Staatsolie (Gow2)

Electric Utility
- N.V. Energiebedrijven Suriname (State Enterprise)

Independent Power Producer
- Rosebel Gold Mine
- Staatsolie Power Company (SPCS)

Electricity Regulator
- Suriname Energy Authority (Energie Autoriteit Suriname - EAS)

Transportation
- Ministry of Transport, Communications and Tourism

ENERGY
POLICY
ELECTRICITY
STUDY & WORKFORCE
TRANSPORT
CLIMATE CHANGE
Policies and legislation relevant to the energy sector


2013 - 2033
No policies or legislations were noted for the transportation sector.
**Electric Utility** Diesel, Electric Utility RE, IPP’s (HFO)

**Installed Capacity (MW)**
- System Peak Demand: 229 MW
- Base Load: 170 MW
- Parasitic Load: 0.50 MW
- Total: 194 MW

**Energy Consumption (GWh)**
- Total Sales: 1490 GWh
- Loses: 2.00 GWh
- Net Generation: 1755 GWh

**Energy Policy & Electricity Study & Work Force**

**Transport & Climate Change**
### Electricity Tariffs

<table>
<thead>
<tr>
<th>Rate Class</th>
<th>Monthly Consumption / Demand (kWh)</th>
<th>Tariff (US$/kWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>( \leq 800 )</td>
<td>0.05</td>
</tr>
<tr>
<td></td>
<td>( &gt; 800 )</td>
<td>0.08</td>
</tr>
<tr>
<td>Large Commercial</td>
<td>( \leq 2,600 )</td>
<td>0.05</td>
</tr>
<tr>
<td>Large / Large Power</td>
<td>( &gt; 2,600 )</td>
<td>0.08</td>
</tr>
<tr>
<td>Street Lights</td>
<td></td>
<td>0.089</td>
</tr>
</tbody>
</table>

### Renewable Energy Resources (MW)

- **Solar Energy**: 5.5 MW
- **Hydro Energy**: 189 MW
- **Biomass Energy**: 15 MW

- **Installed Capacity**: Yellow bars
- **Potential Capacity**: Red bars

- **Energy Efficiency**

- **Transport**

- **Climate Change**

- **Electricity & Energy Policy**

- **Electricity Study & Work Force**
# Technical Assistance Projects

<table>
<thead>
<tr>
<th>DONOR FUNDING AND TECHNICAL ASSISTANCE LANDSCAPE</th>
<th>DONOR ORGANIZATIONS &amp; BANKS</th>
<th>TECHNICAL ASSISTANCE PROVIDERS</th>
<th>FUNDING AWARDS</th>
<th>YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>SU-L1055: Consolidating a Sustainable Energy Sector</td>
<td>IDB</td>
<td>NOT AVAILABLE</td>
<td>US$30 Million</td>
<td>2020</td>
</tr>
<tr>
<td>SUTT138: Support the Development of Solar Floating Photovoltaic Energy in Suriname</td>
<td>IDB</td>
<td>NOT AVAILABLE</td>
<td>US$300 Million</td>
<td>2021</td>
</tr>
</tbody>
</table>
ENERGY EFFICIENCY PROJECTS
No Energy Efficiency projects were noted.

RENEWABLE ENERGY PROJECTS
No Renewable Energy projects were noted.
### Tertiary Programmes Offered

#### ANTON DE KOM UNIVERSITY OF SURINAME - FTEW

<table>
<thead>
<tr>
<th>M.Sc.</th>
<th>PERSONS ENROLLED</th>
<th>PERSONS GRADUATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustainable Management of Natural Resources</td>
<td>60</td>
<td>-</td>
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<tr>
<td><a href="https://www.uvs.edu/adekus/faculteiten/technologische-wetenschappen/">https://www.uvs.edu/adekus/faculteiten/technologische-wetenschappen/</a></td>
<td></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>M.Sc.</th>
<th>PERSONS ENROLLED</th>
<th>PERSONS GRADUATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewable Energy Technology</td>
<td>20</td>
<td>-</td>
</tr>
</tbody>
</table>
THERE ARE 2,346 PERSONS EMPLOYED ACROSS STAATSOLIE, N.V. ENERGIEBEDRIJVEN SURINAME, AND SURINAME ENERGY AUTHORITY.
CLIMATE CHANGE FRAMEWORK

NATIONAL DETERMINED CONTRIBUTIONS:
Maintaining its 93% forest cover
35% renewables by 2030 [13]

PRIORITY SECTORS FOR NDCs
Forestry, Electricity, Transportation, Agriculture

NATIONAL COMMUNICATIONS (NC) TO THE UNFCCC:
### EMISSIONS (Gg CO₂ EQUIVALENT)

<table>
<thead>
<tr>
<th>CATEGORIES</th>
<th>CO₂</th>
<th>CH₄</th>
<th>N₂O</th>
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</thead>
<tbody>
<tr>
<td><strong>ENERGY</strong></td>
<td>3788.15</td>
<td>3.3600</td>
<td>7.48</td>
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<tr>
<td><strong>MANUFACTURING INDUSTRIES &amp; CONSTRUCTION</strong></td>
<td>2912.47</td>
<td>2.8300</td>
<td>6.75</td>
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<tr>
<td><strong>CIVIL AVIATION</strong></td>
<td>116.20</td>
<td>0.0200</td>
<td>1.04</td>
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<tr>
<td><strong>ROAD TRANSPORTATION</strong></td>
<td>38.00</td>
<td>0.0800</td>
<td>0.0200</td>
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<tr>
<td><strong>RESIDENTIAL</strong></td>
<td>952.57</td>
<td>3.57</td>
<td>0.83</td>
</tr>
<tr>
<td><strong>AGRICULTURE / FORESTRY / FISHING</strong></td>
<td>0.01</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MARINE INTERNATIONAL BUNKER</strong></td>
<td>102.20</td>
<td>0.0200</td>
<td>0.0600</td>
</tr>
</tbody>
</table>

Gg represents giga grams*
REFERENCES


