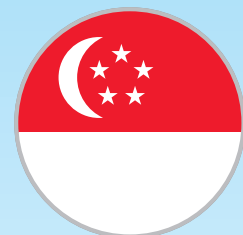


OVERVIEW

Singapore



★ Singapore

👤 3,638,700

*as of 2019

🏠 719 km²

Electrification

⚡ 100 %

2017 Installed Capacity

13,612

Mega Watt

Natural Gas 97%

2% Biomass
1% Solar PV

2017 Power Generation

52,225 Gwh

Natural Gas 62 %

Biomass 9 %

Solar PV 3 %

2016 Energy Supply

27,353 Ktoe

Oil

3,655

Natural Gas

1,057

Coal

517

Other RE

1,787

Biomass

1,103

2016 Final Energy Consumption by Fuel (Ktoe)

Coal 168

Electricity 4,181

Natural Gas 1,175

Oil 12,898

Ktoe = Kilotonne of Oil Equivalent

2016 Fuel Consumption by Sector

18,442 Ktoe

Commercial

10 %

Residential

4 %

Non-Energy

39 %

Industry

34 %

Transport

13 %

Agriculture

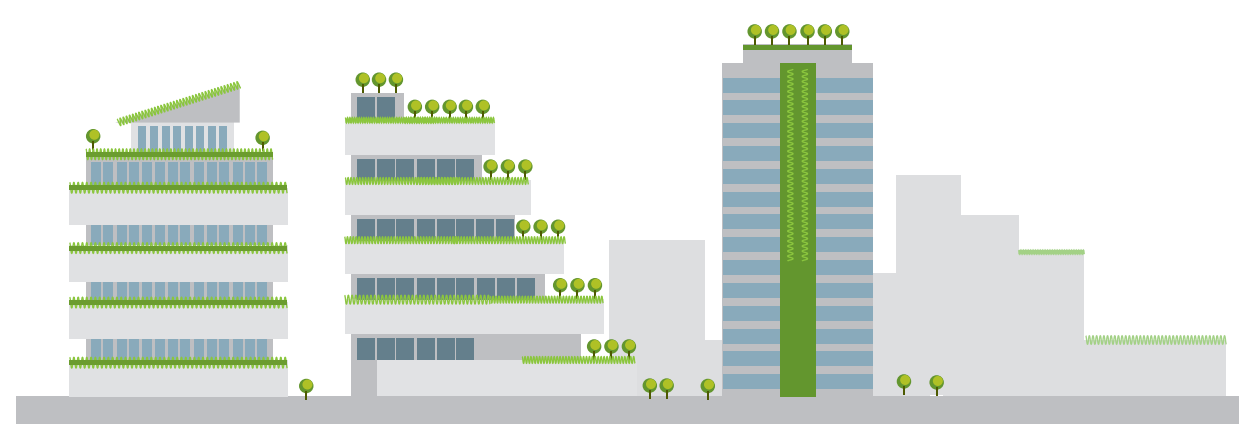
0.1 %

NATIONAL POLICY

2018

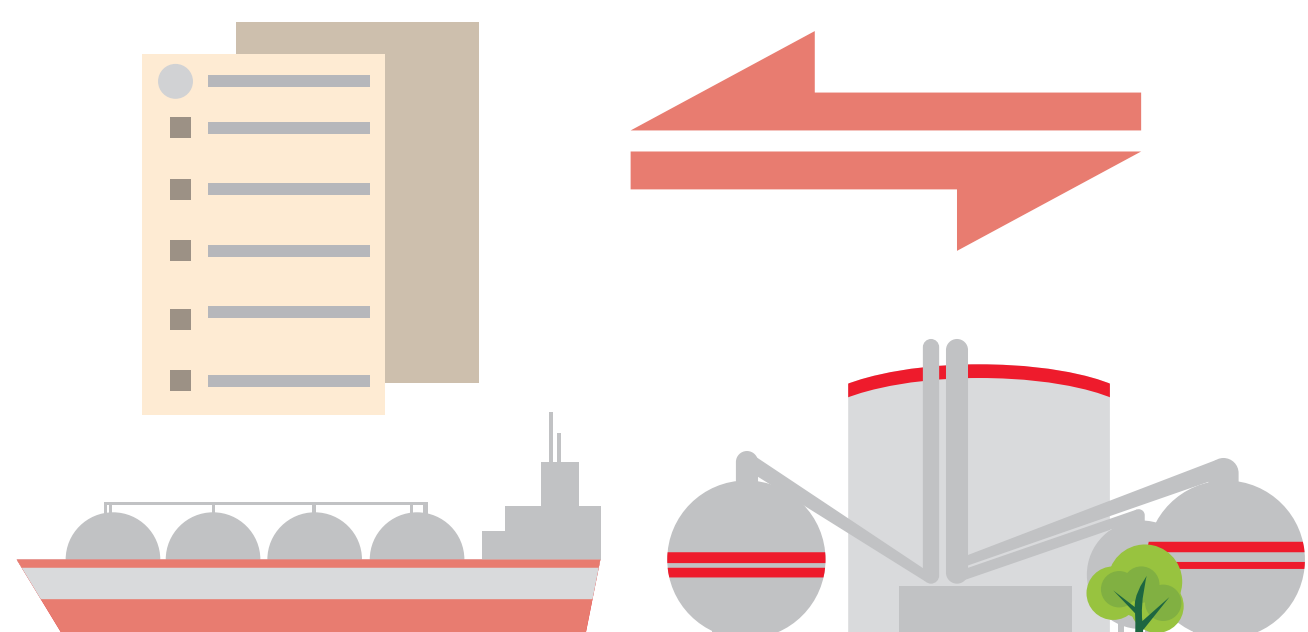
Green Mark for Non-Residential Buildings 2015 (2018 Ed.)

Aiming to further stretch building outcomes to substantially reduce the environmental impacts and increase the life-cycle quality of projects



Energy Conservation Regulations 2017 (Regulated Goods and Registered Suppliers)

Setting out the energy efficiency requirements for regulated goods



*as of 2019

2016

BCA Green Mark Certification Standard For Existing Buildings: GM Version 3.0

Guiding owners of existing buildings to improve the minimum sustainability standards of existing buildings and establish environmentally friendly practices in the operation and retrofitting of existing buildings

2015

Sustainable Singapore Blueprint 2015

Outlining the national vision and plans for a more liveable and sustainable Singapore

2011

Handbook for Solar Photovoltaic (PV) Systems

Energy Market Authority (EMA) and the Building Construction Authority (BCA) created all-in-one reference guide for those who are keen on solar PV systems installation



ACTIVITIES

RENEWABLE ENERGY

2017 RE Installed Capacity

369 MW

Biomass 70 % 257 MW

Solar PV 30 % 112 MW

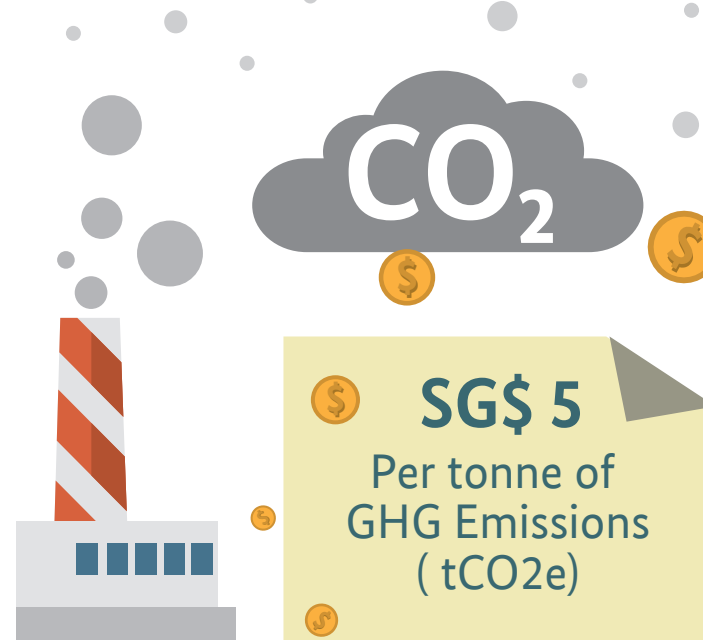
2017 RE Power Generation

856 GWh

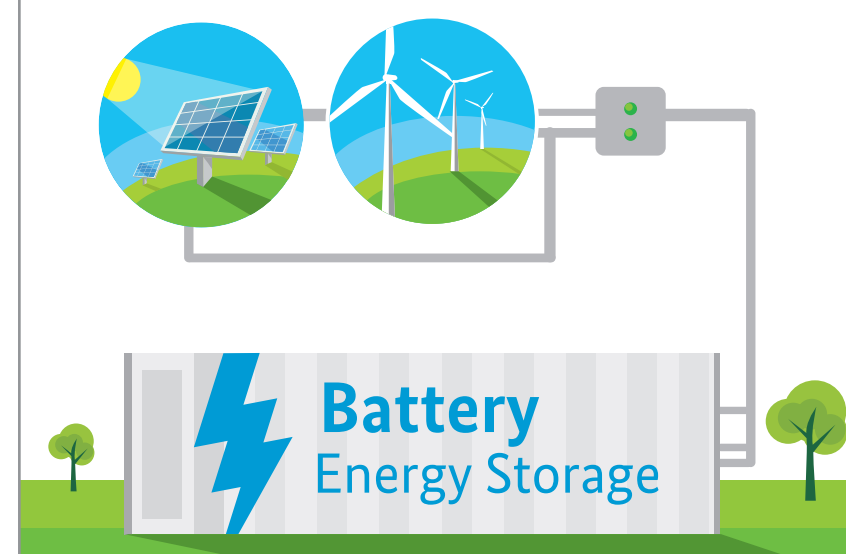
85% Biomass

15% Solar PV

Carbon Tax Program



Energy Storage System (ESS) for Solar PV



ENERGY EFFICIENCY

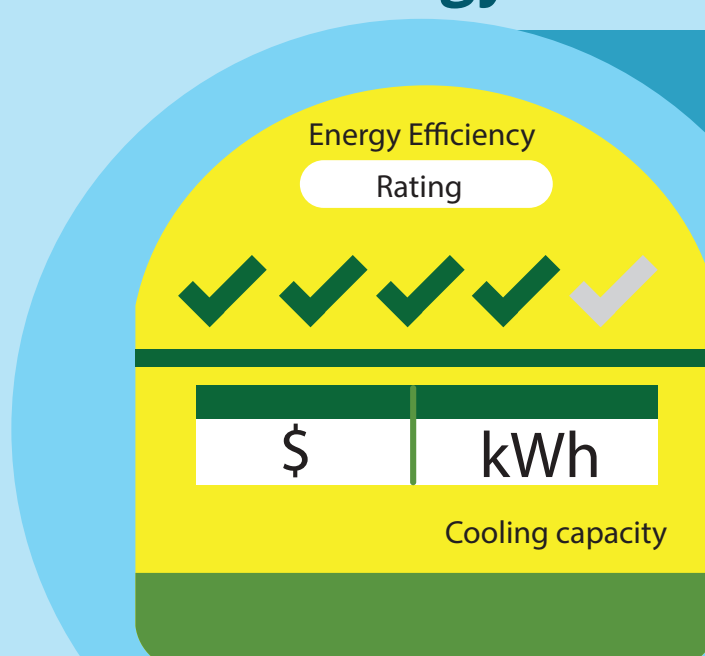
Energy Management

Energy Efficiency Fund (E2F)

Super Low Energy Programme

BCA Green Mark Building Construction Authority

Energy Standards and Labeling (S&L)



Air-Conditioner

Clothes dryers

Fridges

Bulb

Television

LED

CFLi

CFLi : compact fluorescent lamp with integrated ballast