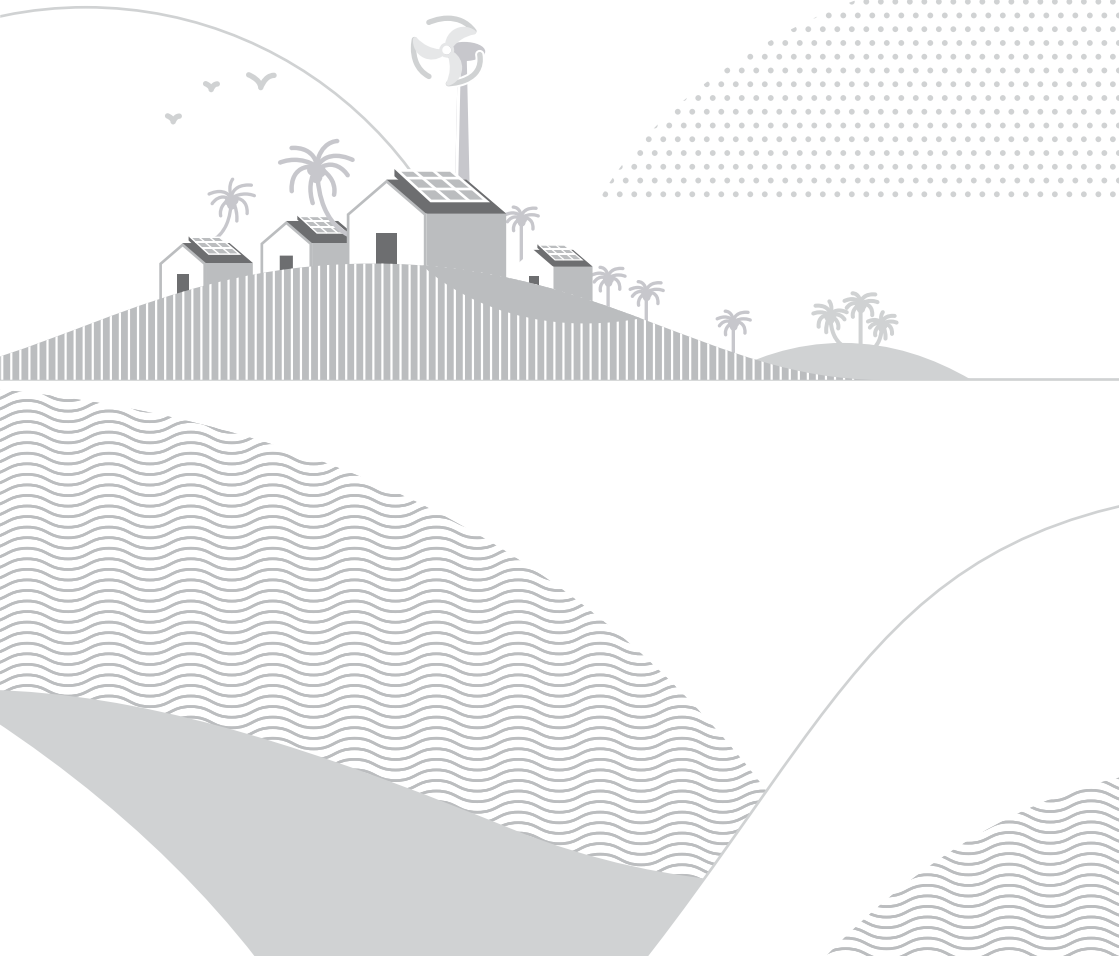






MINISTRY OF ENVIRONMENT AND ENERGY
REPUBLIC OF MALDIVES

ISLAND ELECTRICITY DATA BOOK 2016



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HON. THORIQ IBRAHIM
MINISTER OF ENVIRONMENT AND ENERGY

Energy is a core and fundamental part of a modern society. Having reliable and affordable access to energy is the major driving force for economic development. As we strive to improve and develop the energy sector of the Maldives, we are faced with many obstacles and challenges to overcome. One of the obstacles for proper planning of the sector is challenges in collecting and having access to reliable and accurate data. As quality data is imperative for sector planning and development, Ministry of Environment and Energy has been collecting electricity data of the inhabited islands since 2013 with the aim to publish yearly energy outlook book.

"Maldives Energy Outlook for Inhabited Islands 2013" was our first compilation of electricity data of the Maldives islands. This book has been immensely useful for investors and other stakeholders in terms of getting an overview of the electricity sector of the Maldives and getting island wise data. I am pleased that Ministry of Environment and Energy is releasing a second book of Maldives electricity

data with the name "**Island Electricity Data Book 2016**". Similar as the 2013 book, Island Electricity Data Book 2016 has electricity data for each inhabited island of the Maldives. In addition, this data book also shows the growth of solar PV in the Maldives. I hope this book will be a beneficial tool for understanding the electricity sector of the Maldives.

It is no doubt that, such an important and time-consuming work can only be accomplished with the contribution from all the stakeholders involved. I would like to express my gratitude to STELCO, FENAKA, MWSC, Island Councils and other private companies for their assistance in providing the data on the request of the Ministry. I am also grateful to the dedicated staffs of the Energy Department for their hard work in collecting and compiling the data to publish the Island Electricity Data Book 2016.

Male', November 2016

MINISTER THORIQ IBRAHIM
INSTALLING SOLAR PV IN ADDU CITY
HITHADHOO SCHOOL
PHOTO: MINISTRY OF ENVIRONMENT AND
ENERGY



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HA. HOARAFUSHI
PHOTO: SARA MOHAMED

INTRODUCTION TO THE ENERGY SECTOR OF THE MALDIVES

Maldives is a country comprising of 1,192 dispersed tropical islands grouped into 26 geographical atolls spreading over an area of 115,300km² and occupying a total land area of 224km². Out of the total 1,192 islands, 188 are inhabited¹, 115 are self-contained tourist resorts² and 21 are used for other commercial activities. The total population of the Maldives is 341,256³

Maldives is entirely dependent on imported fossil fuel in meeting its energy demand. The dispersed nature of the islands requires each of the island to have a separate power generation and distribution system. The powerhouses are operated mainly by three utility companies namely, State Electric Company Ltd. (STELCO), FENAKA Corporation Ltd. (FENAKA), and Male' Water and Sewerage Company Pvt. Ltd. (MWSC). The number of powerhouses operated by these companies are 35, 147 and 1 respectively. Out of the remaining powerhouses, the island councils operate 5 and 1 are operated by a private company.

The Energy sector of the Maldives is regulated by the Maldives Energy Authority (MEA). Under its mandate MEA determine the Electricity tariff based on average tariff, dividing customers into three categories: residential, business and governmental. Also In order to facilitate the production of renewable energy by individual and private parties from a national level, "Net Metering Regulation" for connecting renewable energy systems to utility's power grids was inaugurated on 30th December 2015.

¹ Maldives at a Glance December 2015, National Bureau of Statistics

² Maldives Statistical Year Book 2016, National Bureau of Statistics

³ Census 2014, National Bureau of Statistics

OIL IMPORTS 2006 - 2015

Year	Diesel	Aviation Gas	Petrol	Cooking Gas	Kerosene Oil	Total Fuel (Metric Tonnes)
2006	81.67%	5.79%	7.88%	2.19%	1.46%	292,612.62
2007	83.86%	4.47%	9.40%	2.02%	0.25%	299,155.63
2008	81.43%	7.15%	8.07%	3.14%	0.20%	328,099.78
2009	80.87%	7.36%	8.17%	3.33%	0.27%	346,548.34
2010	82.00%	6.10%	8.54%	3.37%	0.00%	349,896.61
2011	80.49%	8.13%	8.24%	3.06%	0.09%	377,893.79
2012	70.09%	19.94%	7.89%	2.08%	0.00%	481,577.48
2013	62.15%	26.72%	8.64%	2.49%	0.00%	495,680.90
2014	57.86%	33.44%	6.66%	2.05%	0.00%	667,010.64
2015	77.02%	12.90%	7.64%	2.45%	0.20%	506,334.29

KEY FINDINGS

- In 2015, 506,334 metric ton of fuel was imported. Out of this, 12,385 metric ton was cooking gas, 389,968 metric ton was diesel, 38,683 metric ton was petrol and 65,298.74 metric ton was aviation gas¹.
- In 2015, outer islands consumed 201.6GWh of electricity.
- Existing electricity tariff approved by the Maldives Energy Authority for diesel-based generation is in the range of US cent 14 – 50.
- Maldives achieved universal access of electricity in 2008.
- The inhabited islands of the Maldives have a total installed capacity of 194MW of diesel generators to cater for the electricity demand.
- There is a total of 189 powerhouses in inhabited islands.
- Electricity generation for the capital Male' (Male', Villingili and Hulhumale') accounts for 63.4% of the total electricity generation of all the inhabited islands. This is the largest electricity-consuming region with consumption of about a 349.04GWh/year and having an installed capacity of 78.82MW.

¹ Total Imports 2015, Maldives Customs Service

SOLAR MEASURING STATION - HDH.HANIMAADHOO
PHOTO: MINISTRY OF ENVIRONMENT AND ENERGY



RENEWABLE ENERGY IN MALDIVES

SOLAR AND WIND RESOURCE
POTENTIAL :

SOLAR

Data has been collected for 15 continuous years from 1999 to 2013. Following paragraphs summarizes these data.

GLOBAL HORIZONTAL
IRRADIATION

The highest GHI is observed in the South of archipelago where average daily sums reach 5.7 kWh/m². The season of highest irradiation with daily sums above 6.4 kWh/m² lasts three months (from February to April). Second season of higher solar radiation, with daily sums from 5.4-5.8 kWh/m², is found in period from August to October.

Long term average, minimum and maximum of daily summaries (kWh/m²) of Global Horizontal Irradiation (GHI) for a period 1999 to 2013 were compared for four sites: Gan, Hanimaadhoo, Hulhule, Kahdhoo.

When comparing GHI for these sites, they demonstrate a very similar pattern. The most stable weather with highest GHI values is from February to April. Higher variability of GHI between sites is observed in November and December. These months also show the highest range of minimum and maximum values of GHI. Very small variability of values is determined by similar geographical characteristics and indicates that all sites will experience similar PV power performance.

RATIO OF DIFFUSE AND GLOBAL
IRRADIATION

A higher ratio of diffuse to global horizontal irradiation (DIF/GHI) indicates less stable weather, higher occurrence of clouds, higher atmospheric pollution or water vapour. The lowest DIF/GHI values are identified in South of archipelago, where the yearly average ratio falls to 38%. During the season from June to September all sites show stable, but relatively high DIF/GHI ratio (up to 54%). The best conditions with clear

sky and low aerosols typically occur from February to April in all Maldives, when DIF/GHI ratio reach values in range between 30% and 38%. But this period is very short. This indicates that the potential for concentrator technologies (CSP, CPV) in Maldives is limited.

GLOBAL TILTED IRRADIATION

Installing PV modules at an optimum tilt (inclination) and oriented toward the equator can result in annual average daily sum of GTI energy input up to 5.7 kWh/m², almost in all territory of Maldives.

DIRECT NORMAL IRRADIATION

Highest values are in southern part of the archipelago. There are slightly lower values in the North due to the higher presence of aerosols and clouds in the atmosphere.

WIND

Wind data has been collected from December 2014 to November 2015 in Naifaru, Gulheefalhu and Kulhudhuffushi. The following table shows mean wind speed for the three locations at 40m.¹



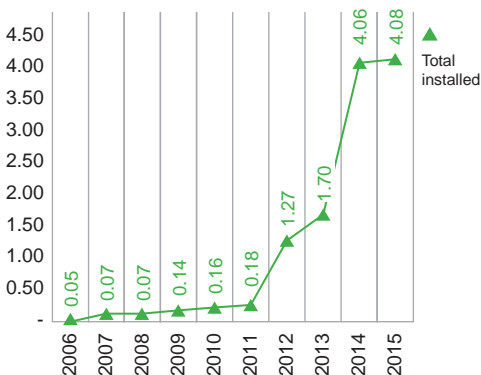
Location	Mean Wind Speed (40m actual value)
Naifaru	5.27 m/s
Gulheefalhu	4.22 m/s
Kulhudhuffushi	4.93 m/s

GROWTH OF SOLAR ENERGY IN MALDIVES

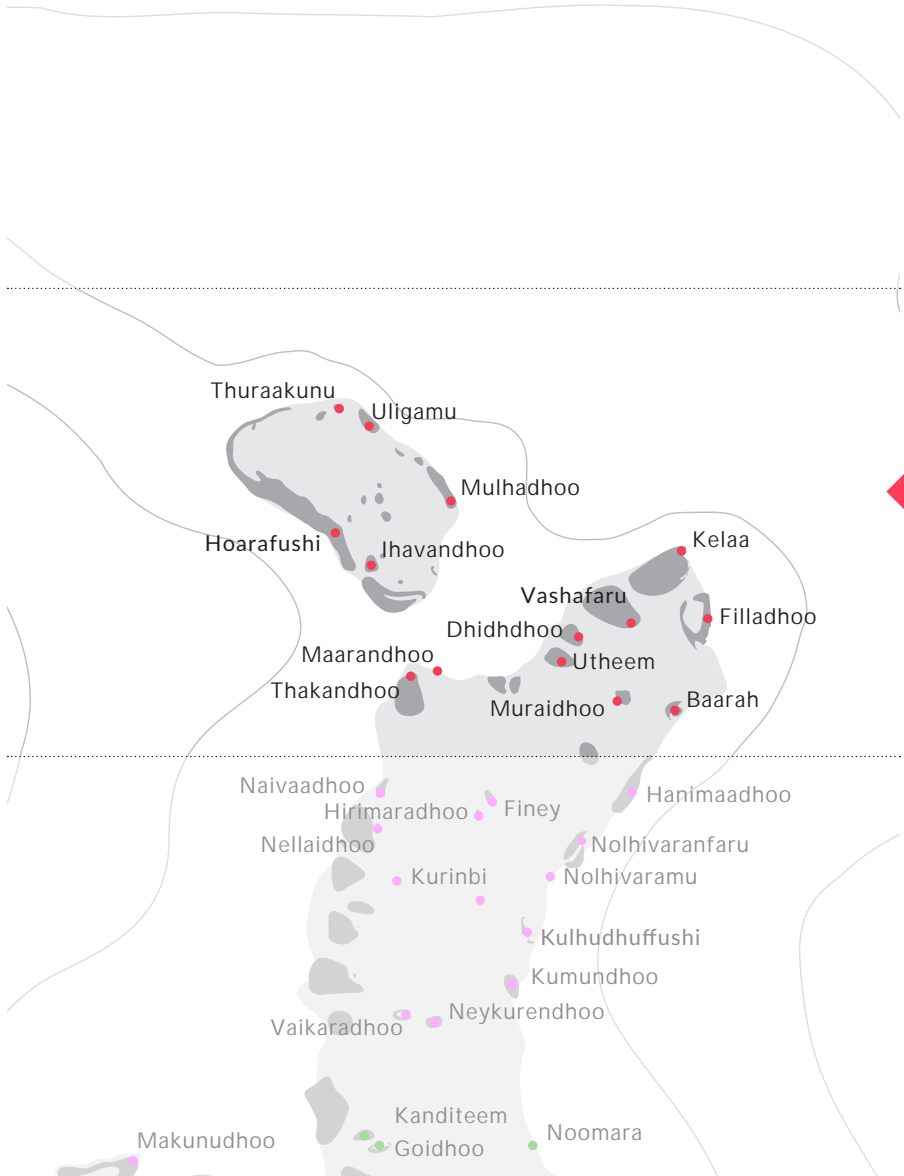
Due to the country's geographical location, Maldives is blessed with sunlight through out the year having vast potential to produce solar renewable energy. Till 2013, Maldives had installed capacity of 2MW renewable energy. However, today, Maldives have 4MW of renewable energy installed in the country. To reduce the dependency on imported fossil fuels, it is an objective of the government to install upto 30 percent of day time peak load of electricity in all inhabited islands from renewable energy sources by end of 2018, through public and private sector programs.



INSTALLED CAPACITY (MW_p)



¹ Information taken from World Bank, Global ESMAP Initiative, Renewable Energy Resource Mapping: Solar-Maldives-Solar Modelling Report-Preliminary Results



ISLAND ELECTRICITY DATA 2015 OF :
HA. BAARAH

Population	1091
Area of Island (km ²)	2.60
Distance from Male' (km)	294.7
Distance from nearest airport (km)	6.85
Electricity Provider	FENAKA
Daily Peak Load (kW)	154
Peak load time	12:00
Installed Capacity (kW)	438
Installed Generator sets (kW)	68,250,120
Monthly Average Usage (kWh)	67,832.83
Yearly electricity production (kWh/yr)	813,993.97
Oil Consumption (Lit/yr)	300,767.67
Lube Oil Consumption (Lit/yr)	1,498.60
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25, 35, 50, 95
CO ₂ emission (tCO ₂)	800.76

PICTURE : GOOGLE EARTH



Population	2745
Area of Island (km ²)	0.60
Distance from Male' (km)	305
Distance from nearest airport (km)	14.81
Electricity Provider	FENAKA
Daily Peak Load (kW)	643
Peak load time	13:30
Installed Capacity (kW)	1716
Installed Generator sets (kW)	600,200,508,408
Monthly Average Usage (kWh)	248,880.27
Yearly electricity production (kWh/yr)	2,986,563.21
Oil Consumption (Lit/yr)	975,864.00
Lube Oil Consumption (Lit/yr)	3,894.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1992
Distribution Cable size (mm ²)	16, 35, 50, 70, 120
CO ₂ emission (tCO ₂)	2,598.14

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HA. FILLADHOO

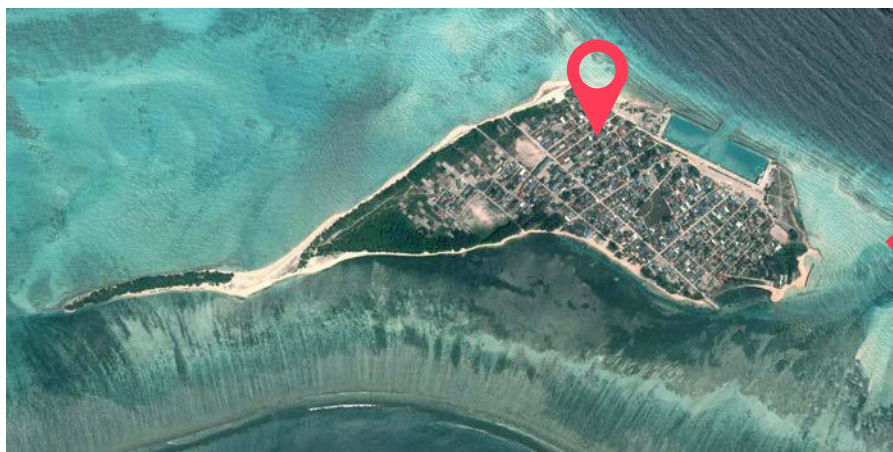
Population	576
Area of Island (km²)	2.60
Distance from Male' (km)	301.7
Distance from nearest airport (km)	13.86
Electricity Provider	FENAKA
Daily Peak Load (kW)	92
Peak load time	12:00
Installed Capacity (kW)	300
Installed Generator sets (kW)	80,160,60
Monthly Average Usage (kWh)	34,597.53
Yearly electricity production (kWh/yr)	415,170.34
Oil Consumption (Lit/yr)	156,966.00
Lube Oil Consumption (Lit/yr)	775.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm²)	25, 35, 50, 75
CO ₂ emission (tCO ₂)	417.91

PICTURE : GOOGLE EARTH



Population	1826
Area of Island (km ²)	0.70
Distance from Male' (km)	317.1
Distance from nearest airport (km)	38.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	420
Peak load time	12:00
Installed Capacity (kW)	1250
Installed Generator sets (kW)	200,200,250,600
Monthly Average Usage (kWh)	152,551.66
Yearly electricity production (kWh/yr)	1,830,619.97
Oil Consumption (Lit/yr)	659,561.00
Lube Oil Consumption (Lit/yr)	3,447.62
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1999
Distribution Cable size (mm ²)	25, 50, 70, 95, 150
CO ₂ emission (tCO ₂)	1,756.02

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HA. IHAVANDHOO

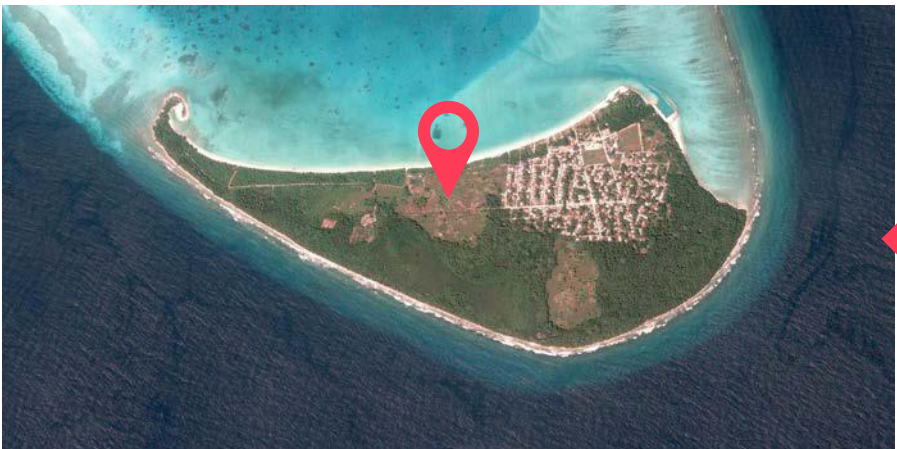
Population	2554
Area of Island (km ²)	0.60
Distance from Male' (km)	314.1
Distance from nearest airport (km)	33.97
Electricity Provider	FENAKA
Daily Peak Load (kW)	379
Peak load time	12:30
Installed Capacity (kW)	760
Installed Generator sets (kW)	250,160,350
Monthly Average Usage (kWh)	149,751.46
Yearly electricity production (kWh/yr)	1,797,017.46
Oil Consumption (Lit/yr)	636,033.00
Lube Oil Consumption (Lit/yr)	2,638.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25, 35, 50, 70
CO ₂ emission (tCO ₂)	1,693.37

PICTURE : GOOGLE EARTH



Population	1063
Area of Island (km ²)	2.00
Distance from Male' (km)	309.3
Distance from nearest airport (km)	21.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	260
Peak load time	12:00
Installed Capacity (kW)	556
Installed Generator sets (kW)	120,200,236
Monthly Average Usage (kWh)	82,412.27
Yearly electricity production (kWh/yr)	988,947.29
Oil Consumption (Lit/yr)	318,106.00
Lube Oil Consumption (Lit/yr)	1,632.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25, 35, 50, 70
CO ₂ emission (tCO ₂)	846.93

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HA. MAARANDHOO

Population	668
Area of Island (km²)	0.40
Distance from Male' (km)	303.9
Distance from nearest airport (km)	22.82
Electricity Provider	FENAKA
Daily Peak Load (kW)	97
Peak load time	12:00
Installed Capacity (kW)	348
Installed Generator sets (kW)	90,48,50,160
Monthly Average Usage (kWh)	37,523.95
Yearly electricity production (kWh/yr)	450,287.34
Oil Consumption (Lit/yr)	156,485.00
Lube Oil Consumption (Lit/yr)	565.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2007
Distribution Cable size (mm²)	16, 25, 35
CO ₂ emission (tCO ₂)	416.63

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HA. MULHADHOO

HA

Population	231
Area of Island (km ²)	1.20
Distance from Male' (km)	320
Distance from nearest airport (km)	33.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	48
Peak load time	12:00
Installed Capacity (kW)	148
Installed Generator sets (kW)	40,60,48
Monthly Average Usage (kWh)	13,512.59
Yearly electricity production (kWh/yr)	162,151.09
Oil Consumption (Lit/yr)	66,880.00
Lube Oil Consumption (Lit/yr)	396.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2012
Distribution Cable size (mm ²)	16, 50, 70
CO ₂ emission (tCO ₂)	178.06

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HA. MURAI DHOO

Population	464
Area of Island (km²)	0.50
Distance from Male' (km)	298.9
Distance from nearest airport (km)	7.92
Electricity Provider	FENAKA
Daily Peak Load (kW)	75
Peak load time	13:30
Installed Capacity (kW)	336
Installed Generator sets (kW)	120,150,48,18
Monthly Average Usage (kWh)	25,988.84
Yearly electricity production (kWh/yr)	311,866.02
Oil Consumption (Lit/yr)	123,627.00
Lube Oil Consumption (Lit/yr)	815.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1999
Distribution Cable size (mm²)	16
CO ₂ emission (tCO ₂)	329.14

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HA. THAKANDHOO

HA

Population	355
Area of Island (km ²)	0.40
Distance from Male' (km)	302.1
Distance from nearest airport (km)	21.76
Electricity Provider	FENAKA
Daily Peak Load (kW)	60
Peak load time	13:00
Installed Capacity (kW)	368
Installed Generator sets (kW)	58,150,32,68,32,28
Monthly Average Usage (kWh)	20,708.64
Yearly electricity production (kWh/yr)	248,503.64
Oil Consumption (Lit/yr)	105,608.00
Lube Oil Consumption (Lit/yr)	795.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1999
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	281.17

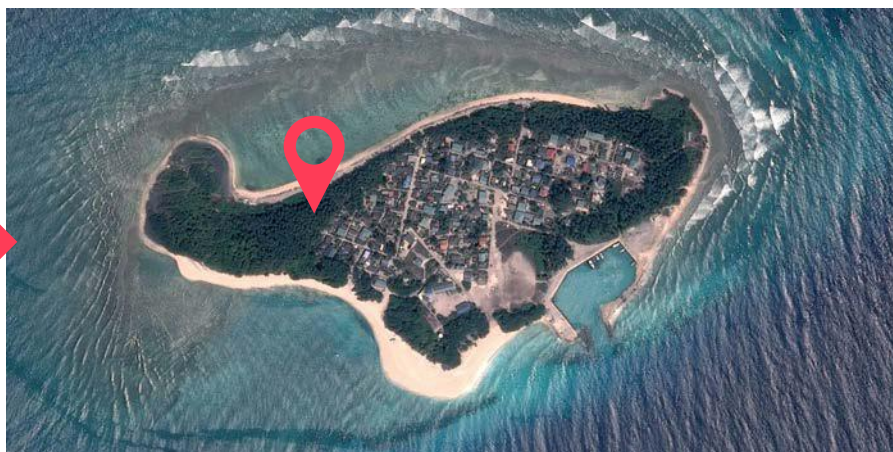
PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HA. THURAKUNU

Population	417
Area of Island (km ²)	0.30
Distance from Male' (km)	331.1
Distance from nearest airport (km)	47.92
Electricity Provider	FENAKA
Daily Peak Load (kW)	100
Peak load time	12:00
Installed Capacity (kW)	348
Installed Generator sets (kW)	60,160,128
Monthly Average Usage (kWh)	27,830.49
Yearly electricity production (kWh/yr)	333,965.92
Oil Consumption (Lit/yr)	137,996.00
Lube Oil Consumption (Lit/yr)	653.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25, 35, 50
CO ₂ emission (tCO ₂)	367.40

PICTURE : GOOGLE EARTH



Population	380
Area of Island (km ²)	1.10
Distance from Male' (km)	328.7
Distance from nearest airport (km)	44.69
Electricity Provider	FENAKA
Daily Peak Load (kW)	79
Peak load time	11:30
Installed Capacity (kW)	366.8
Installed Generator sets (kW)	160,125,49.8,32
Monthly Average Usage (kWh)	27,650.06
Yearly electricity production (kWh/yr)	331,800.74
Oil Consumption (Lit/yr)	128,828.00
Lube Oil Consumption (Lit/yr)	776.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2002
Distribution Cable size (mm ²)	16, 25, 35, 50, 70
CO ₂ emission (tCO ₂)	342.99

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HA. UTHEEMU

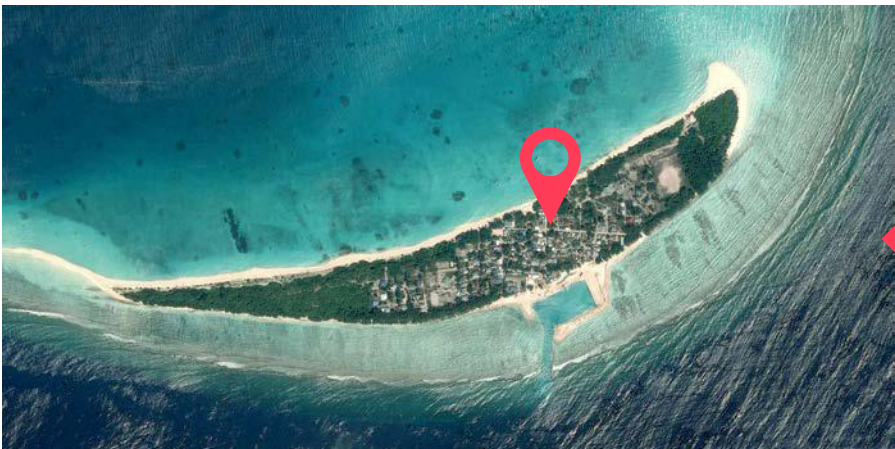
Population	593
Area of Island (km ²)	0.50
Distance from Male' (km)	298
Distance from nearest airport (km)	9.87
Electricity Provider	FENAKA
Daily Peak Load (kW)	145
Peak load time	12:30
Installed Capacity (kW)	300
Installed Generator sets (kW)	160,80,60
Monthly Average Usage (kWh)	39,853.33
Yearly electricity production (kWh/yr)	478,240.00
Oil Consumption (Lit/yr)	163,730.00
Lube Oil Consumption (Lit/yr)	692.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16, 25, 35, 50
CO ₂ emission (tCO ₂)	435.91

PICTURE : GOOGLE EARTH



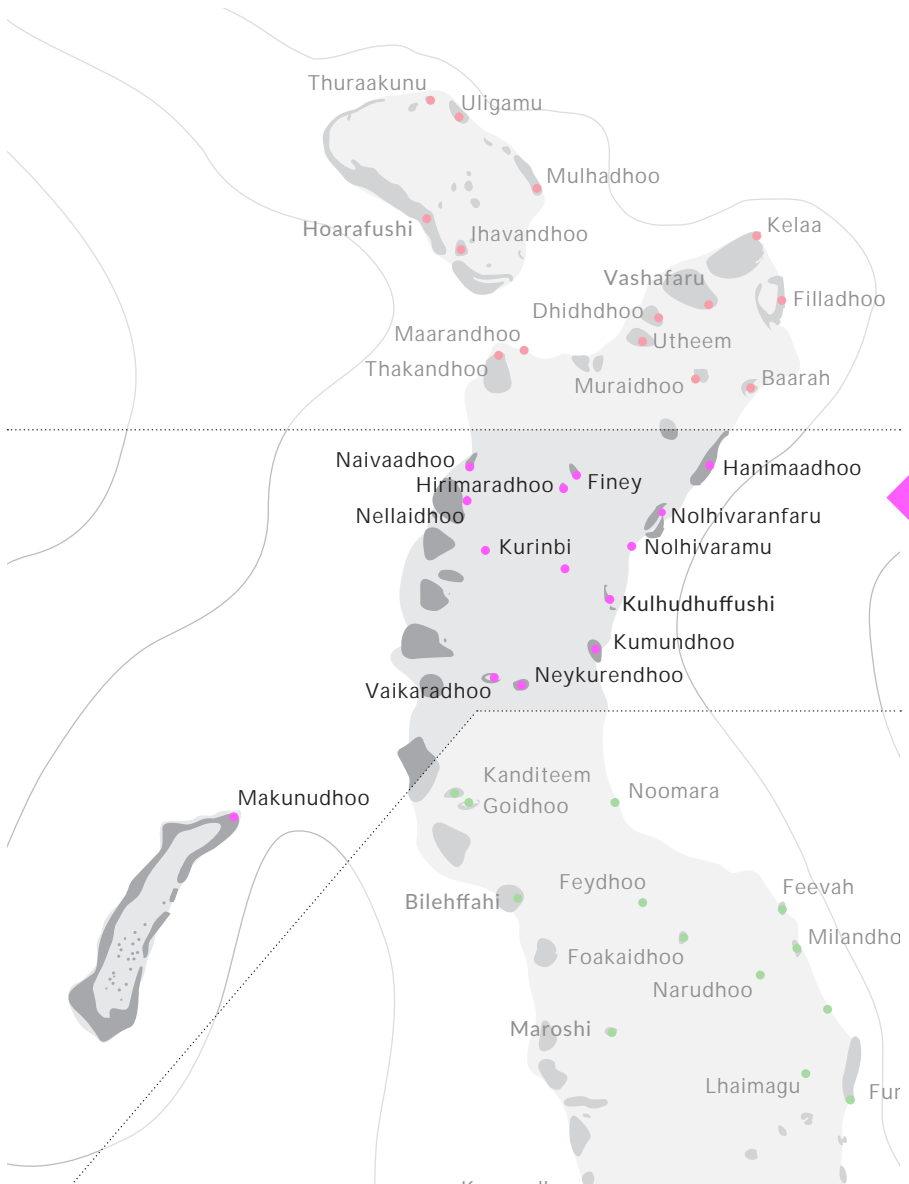
Population	449
Area of Island (km ²)	0.40
Distance from Male' (km)	304.7
Distance from nearest airport (km)	14.37
Electricity Provider	FENAKA
Daily Peak Load (kW)	71
Peak load time	19:00
Installed Capacity (kW)	320
Installed Generator sets (kW)	80,160,80
Monthly Average Usage (kWh)	29,223.25
Yearly electricity production (kWh/yr)	350,679.02
Oil Consumption (Lit/yr)	126,823.00
Lube Oil Consumption (Lit/yr)	601.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	20, 25, 35
CO ₂ emission (tCO ₂)	337.65

PICTURE : GOOGLE EARTH





EQUATORIAL CONVENTION CENTRE, ADDU CITY
PHOTO: MINISTRY OF ENVIRONMENT AND ENERGY



ISLAND ELECTRICITY DATA 2015 OF :
HDH. FINEY

Population	414
Area of Island (km ²)	1.17
Distance from Male' (km)	289.8
Distance from nearest airport (km)	13.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	72
Peak load time	20:00
Installed Capacity (kW)	260
Installed Generator sets (kW)	160,100
Monthly Average Usage (kWh)	23,386.00
Yearly electricity production (kWh/yr)	280,632.00
Oil Consumption (Lit/yr)	121,453.00
Lube Oil Consumption (Lit/yr)	412.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	6, 25, 30, 50
CO ₂ emission (tCO ₂)	323.36

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HDH. HANIMAADHOO

HDH

Population	1920
Area of Island (km ²)	3.11
Distance from Male' (km)	287.8
Distance from nearest airport (km)	0
Electricity Provider	FENAKA
Daily Peak Load (kW)	594
Peak load time	11:30
Installed Capacity (kW)	1690
Installed Generator sets (kW)	200,640,600,250
Monthly Average Usage (kWh)	207,307.67
Yearly electricity production (kWh/yr)	2,487,692.00
Oil Consumption (Lit/yr)	990,507.00
Lube Oil Consumption (Lit/yr)	5,304.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1992
Distribution Cable size (mm ²)	16, 35, 50, 70, 95, 120, 150
CO ₂ emission (tCO ₂)	2,637.13

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HDH. HIRIMARADHOO

Population	336
Area of Island (km ²)	0.46
Distance from Male' (km)	286.9
Distance from nearest airport (km)	16.96
Electricity Provider	FENAKA
Daily Peak Load (kW)	42
Peak load time	19:30
Installed Capacity (kW)	264.6
Installed Generator sets (kW)	46.6, 28, 150, 40
Monthly Average Usage (kWh)	17,505.33
Yearly electricity production (kWh/yr)	210,064.00
Oil Consumption (Lit/yr)	100,550.00
Lube Oil Consumption (Lit/yr)	717.90
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm ²)	16, 35, 50, 70
CO ₂ emission (tCO ₂)	267.70

PICTURE : GOOGLE EARTH



Population	8224
Area of Island (km ²)	1.88
Distance from Male' (km)	275
Distance from nearest airport (km)	19.78
Electricity Provider	FENAKA
Daily Peak Load (kW)	1,743
Peak load time	13:30
Installed Capacity (kW)	3800
Installed Generator sets (kW)	1000,1000,1000,800
Monthly Average Usage (kWh)	854,829.42
Yearly electricity production (kWh/yr)	10,257,953.00
Oil Consumption (Lit/yr)	3,095,187.00
Lube Oil Consumption (Lit/yr)	11,213.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1987
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95, 120, 150
CO ₂ emission (tCO ₂)	8,240.63

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HDH. KUMUNDHOO

Population	892
Area of Island (km ²)	0.52
Distance from Male' (km)	269.8
Distance from nearest airport (km)	25.85
Electricity Provider	FENAKA
Daily Peak Load (kW)	120
Peak load time	11:30
Installed Capacity (kW)	376
Installed Generator sets (kW)	112,160,104
Monthly Average Usage (kWh)	48,523.92
Yearly electricity production (kWh/yr)	582,287.00
Oil Consumption (Lit/yr)	204,065.00
Lube Oil Consumption (Lit/yr)	955.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2001
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 90, 120
CO ₂ emission (tCO ₂)	543.30

PICTURE : GOOGLE EARTH



Population	456
Area of Island (km ²)	0.42
Distance from Male' (km)	282.2
Distance from nearest airport (km)	22.29
Electricity Provider	FENAKA
Daily Peak Load (kW)	85
Peak load time	12:30
Installed Capacity (kW)	300
Installed Generator sets (kW)	60,160,80
Monthly Average Usage (kWh)	29,096.33
Yearly electricity production (kWh/yr)	349,156.00
Oil Consumption (Lit/yr)	140,649.00
Lube Oil Consumption (Lit/yr)	763.90
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1993
Distribution Cable size (mm ²)	4, 6, 16
CO ₂ emission (tCO ₂)	374.46

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HDH. MAKUNUDHOO

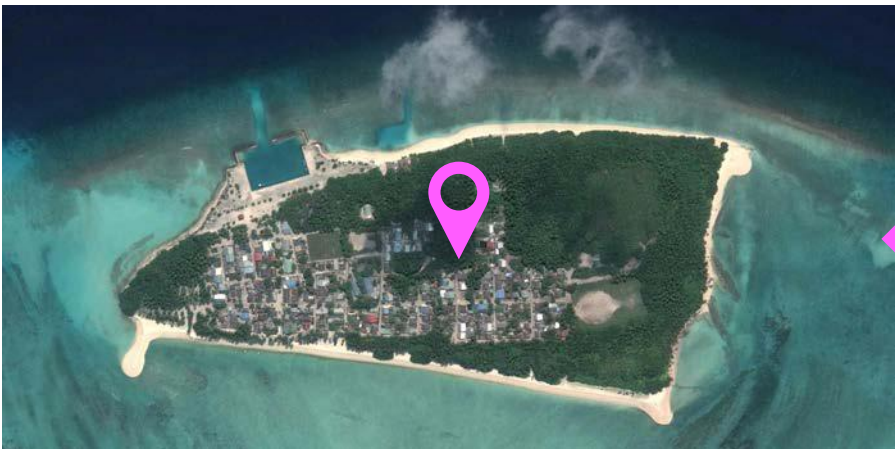
Population	1235
Area of Island (km ²)	0.73
Distance from Male' (km)	262.4
Distance from nearest airport (km)	65.15
Electricity Provider	FENAKA
Daily Peak Load (kW)	216
Peak load time	12:00
Installed Capacity (kW)	686
Installed Generator sets (kW)	236,200,250
Monthly Average Usage (kWh)	84,795.33
Yearly electricity production (kWh/yr)	1,017,544.00
Oil Consumption (Lit/yr)	357,585.00
Lube Oil Consumption (Lit/yr)	1,359.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25, 35, 50
CO ₂ emission (tCO ₂)	952.03

PICTURE : GOOGLE EARTH



Population	416
Area of Island (km ²)	0.30
Distance from Male' (km)	292.4
Distance from nearest airport (km)	26.25
Electricity Provider	FENAKA
Daily Peak Load (kW)	80
Peak load time	12:00
Installed Capacity (kW)	264
Installed Generator sets (kW)	80,34,150
Monthly Average Usage (kWh)	26,831.58
Yearly electricity production (kWh/yr)	321,979.00
Oil Consumption (Lit/yr)	126,679.00
Lube Oil Consumption (Lit/yr)	818.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2005
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	337.27

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HDH. NELLAIDHOO

Population	860
Area of Island (km ²)	0.33
Distance from Male' (km)	288.4
Distance from nearest airport (km)	25.53
Electricity Provider	FENAKA
Daily Peak Load (kW)	125
Peak load time	19:00
Installed Capacity (kW)	400
Installed Generator sets (kW)	160,80,160
Monthly Average Usage (kWh)	50,502.92
Yearly electricity production (kWh/yr)	606,035.00
Oil Consumption (Lit/yr)	206,503.00
Lube Oil Consumption (Lit/yr)	1,038.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2002
Distribution Cable size (mm ²)	25, 35, 50
CO ₂ emission (tCO ₂)	549.79

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HDH. NEYKURENDHOO

HDH

Population	750
Area of Island (km ²)	1.69
Distance from Male' (km)	269.5
Distance from nearest airport (km)	32.11
Electricity Provider	FENAKA
Daily Peak Load (kW)	110
Peak load time	12:00
Installed Capacity (kW)	366
Installed Generator sets (kW)	200,100,66
Monthly Average Usage (kWh)	45,569.50
Yearly electricity production (kWh/yr)	546,834.00
Oil Consumption (Lit/yr)	210,443.00
Lube Oil Consumption (Lit/yr)	977.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25, 35
CO ₂ emission (tCO ₂)	560.28

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
HDH. NOLHIVARAMU

Population	1889
Area of Island (km ²)	2.03
Distance from Male' (km)	280
Distance from nearest airport (km)	14.93
Electricity Provider	FENAKA
Daily Peak Load (kW)	220
Peak load time	12:00
Installed Capacity (kW)	590
Installed Generator sets (kW)	180,250,160
Monthly Average Usage (kWh)	90,146.92
Yearly electricity production (kWh/yr)	1,081,763.00
Oil Consumption (Lit/yr)	368,474.00
Lube Oil Consumption (Lit/yr)	1,410.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2008
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	981.03

PICTURE : GOOGLE EARTH



Population	1030
Area of Island (km ²)	4.40
Distance from Male' (km)	283.2
Distance from nearest airport (km)	9.59
Electricity Provider	FENAKA
Daily Peak Load (kW)	172
Peak load time	12:00
Installed Capacity (kW)	450
Installed Generator sets (kW)	200,125,125
Monthly Average Usage (kWh)	74,500.25
Yearly electricity production (kWh/yr)	894,003.00
Oil Consumption (Lit/yr)	301,493.00
Lube Oil Consumption (Lit/yr)	1,275.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1999
Distribution Cable size (mm ²)	16, 25, 35, 50, 75, 95
CO ₂ emission (tCO ₂)	802.69

PICTURE : GOOGLE EARTH

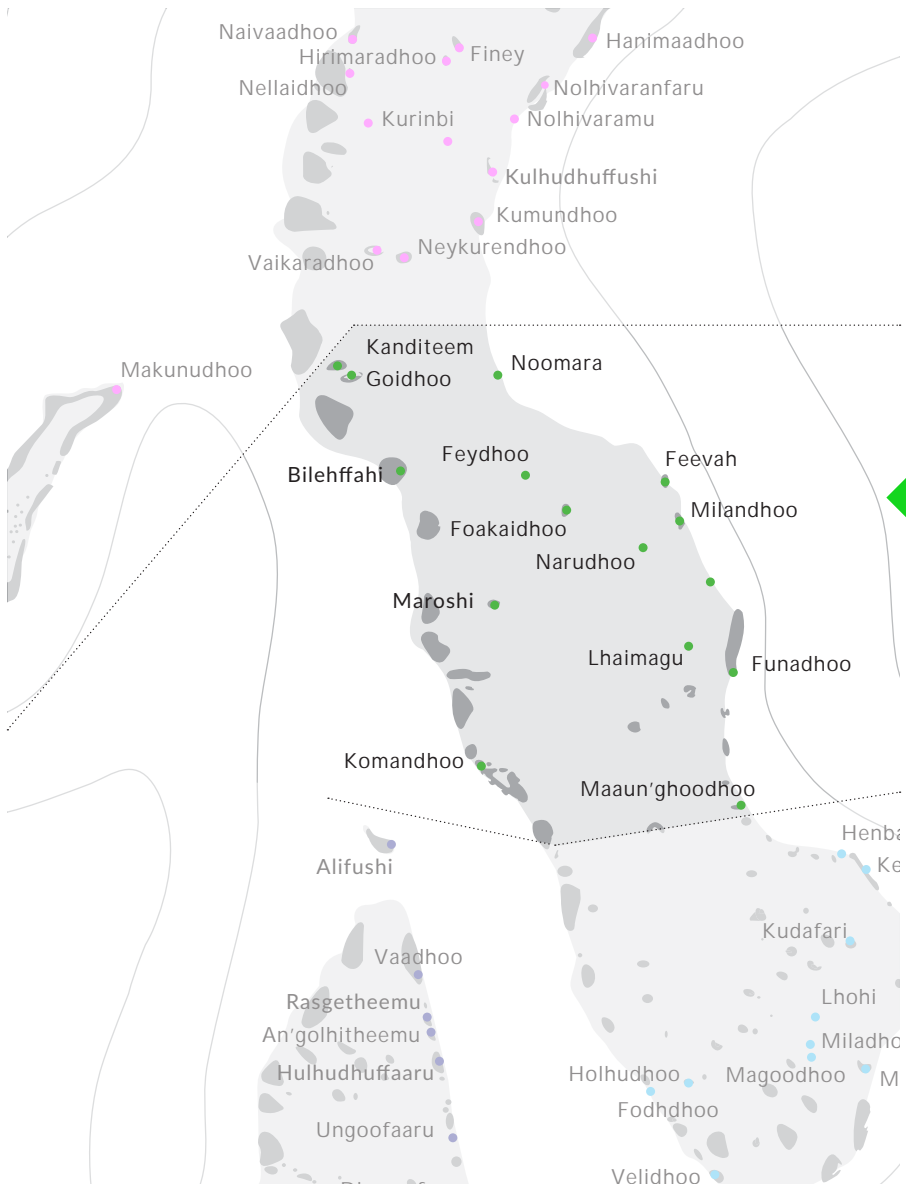


ISLAND ELECTRICITY DATA 2015 OF :
HDH. VAIKARADHOO

Population	785
Area of Island (km ²)	1.08
Distance from Male' (km)	270.4
Distance from nearest airport (km)	34.18
Electricity Provider	FENAKA
Daily Peak Load (kW)	114
Peak load time	12:30
Installed Capacity (kW)	580
Installed Generator sets (kW)	250,160,120,50
Monthly Average Usage (kWh)	48,655.67
Yearly electricity production (kWh/yr)	583,868.00
Oil Consumption (Lit/yr)	230,237.00
Lube Oil Consumption (Lit/yr)	862.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1998
Distribution Cable size (mm ²)	6, 16, 35, 50
CO ₂ emission (tCO ₂)	612.98

PICTURE : GOOGLE EARTH





ISLAND ELECTRICITY DATA 2015 OF :
SH. BILEHFFAHI

Population	506
Area of Island (km ²)	0.63
Distance from Male' (km)	246.5
Distance from nearest airport (km)	52.41
Electricity Provider	FENAKA
Daily Peak Load (kW)	60
Peak load time	20:00
Installed Capacity (kW)	302
Installed Generator sets (kW)	48,80,112,34,28
Monthly Average Usage (kWh)	28,950.75
Yearly electricity production (kWh/yr)	347,409.00
Oil Consumption (Lit/yr)	127,814.00
Lube Oil Consumption (Lit/yr)	880.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2009
Distribution Cable size (mm ²)	16, 25, 35, 50
CO ₂ emission (tCO ₂)	340.29

PICTURE : GOOGLE EARTH



Population	660
Area of Island (km ²)	0.86
Distance from Male' (km)	243
Distance from nearest airport (km)	46.29
Electricity Provider	FENAKA
Daily Peak Load (kW)	120
Peak load time	12:00
Installed Capacity (kW)	421.4
Installed Generator sets (kW)	113.4, 128, 180
Monthly Average Usage (kWh)	43,625.92
Yearly electricity production (kWh/yr)	523,511.00
Oil Consumption (Lit/yr)	185,657.00
Lube Oil Consumption (Lit/yr)	835.50
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16, 25, 150
CO ₂ emission (tCO ₂)	494.29

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
SH. FEYDHOO

Population	741
Area of Island (km²)	0.91
Distance from Male' (km)	248
Distance from nearest airport (km)	46.93
Electricity Provider	FENAKA
Daily Peak Load (kW)	125
Peak load time	20:30
Installed Capacity (kW)	408
Installed Generator sets (kW)	160,128,120
Monthy Average Usage (kWh)	52,481.00
Yearly electricity production (kWh/yr)	629,772.00
Oil Consumption (Lit/yr)	223,677.00
Lube Oil Consumption (Lit/yr)	1,070.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm²)	35
CO ₂ emission (tCO ₂)	595.52

PICTURE : GOOGLE EARTH



Population	1360
Area of Island (km ²)	0.69
Distance from Male' (km)	240.6
Distance from nearest airport (km)	48.64
Electricity Provider	FENAKA
Daily Peak Load (kW)	230
Peak load time	12:00
Installed Capacity (kW)	700
Installed Generator sets (kW)	250,200,250
Monthly Average Usage (kWh)	81,099.92
Yearly electricity production (kWh/yr)	973,199.00
Oil Consumption (Lit/yr)	349,137.00
Lube Oil Consumption (Lit/yr)	1,560.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	6, 25, 35
CO ₂ emission (tCO ₂)	929.54

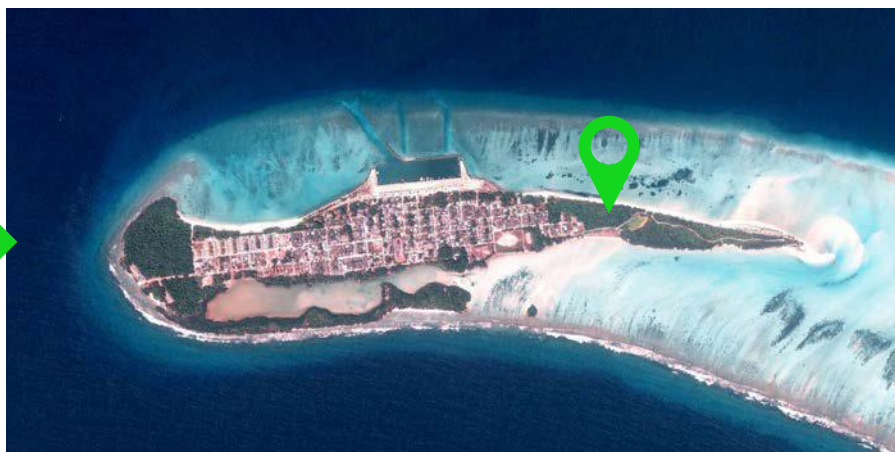
PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
SH. FUNADHOO

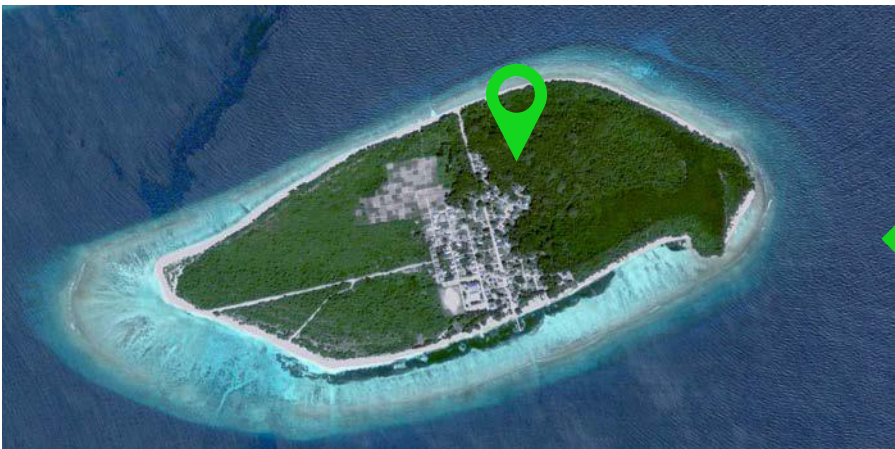
Population	2099
Area of Island (km ²)	0.91
Distance from Male' (km)	218
Distance from nearest airport (km)	57.34
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	380
Peak load time	12:30
Installed Capacity (kW)	814
Installed Generator sets (kW)	407,407
Monthly Average Usage (kWh)	90,924.48
Yearly electricity production (kWh/yr)	1,091,093.70
Oil Consumption (Lit/yr)	598,500.00
Lube Oil Consumption (Lit/yr)	2,400.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2009
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95, 150
CO ₂ emission (tCO ₂)	1,593.45

PICTURE : GOOGLE EARTH



Population	520
Area of Island (km ²)	0.99
Distance from Male' (km)	258.2
Distance from nearest airport (km)	46.12
Electricity Provider	FENAKA
Daily Peak Load (kW)	100
Peak load time	12:00
Installed Capacity (kW)	200
Installed Generator sets (kW)	80,120
Monthly Average Usage (kWh)	36,276.83
Yearly electricity production (kWh/yr)	435,322.00
Oil Consumption (Lit/yr)	167,897.00
Lube Oil Consumption (Lit/yr)	1,195.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2005
Distribution Cable size (mm ²)	25, 35, 50, 95, 120
CO ₂ emission (tCO ₂)	447.01

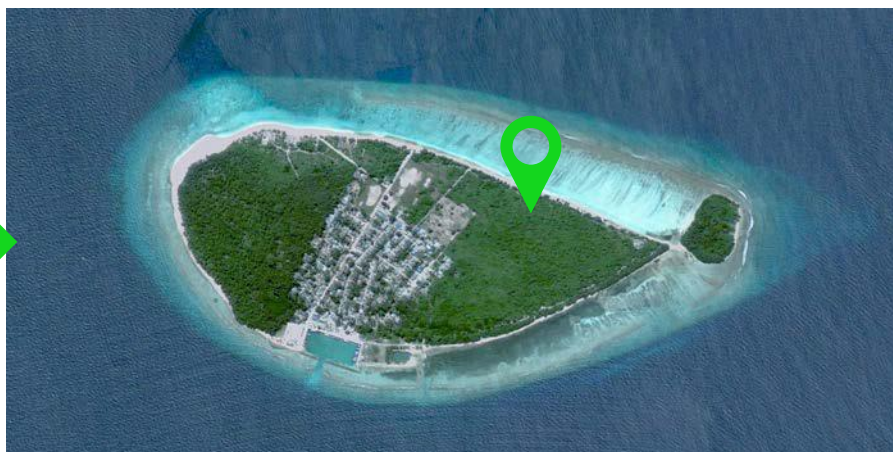
PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
SH. KADITHEEMU

Population	1101
Area of Island (km ²)	0.88
Distance from Male' (km)	258.7
Distance from nearest airport (km)	45.67
Electricity Provider	FENAKA
Daily Peak Load (kW)	194
Peak load time	12:30
Installed Capacity (kW)	520
Installed Generator sets (kW)	200,160,160
Monthly Average Usage (kWh)	82,029.67
Yearly electricity production (kWh/yr)	984,356.00
Oil Consumption (Lit/yr)	326,616.00
Lube Oil Consumption (Lit/yr)	1,446.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25, 35, 50, 70, 95, 120
CO ₂ emission (tCO ₂)	869.58

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
SH. KOMANDO

SH

Population	1112
Area of Island (km ²)	0.10
Distance from Male' (km)	213.4
Distance from nearest airport (km)	38.77
Electricity Provider	FENAKA
Daily Peak Load (kW)	220
Peak load time	12:30
Installed Capacity (kW)	660
Installed Generator sets (kW)	250,160,250
Monthly Average Usage (kWh)	89,246.58
Yearly electricity production (kWh/yr)	1,070,959.00
Oil Consumption (Lit/yr)	364,718.00
Lube Oil Consumption (Lit/yr)	1,496.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	971.03

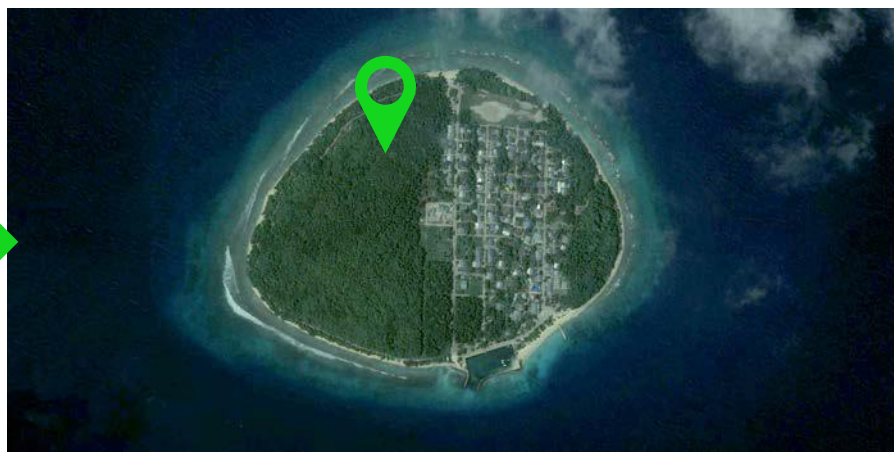
PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
SH. LHAIMAGU

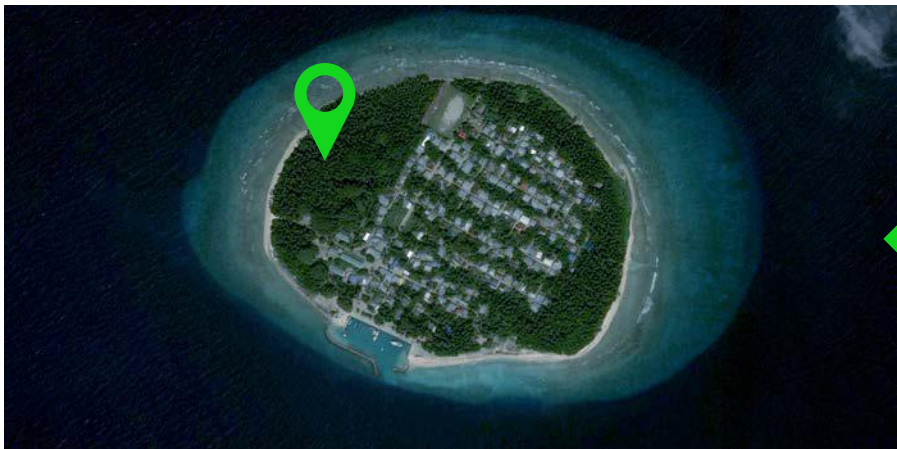
Population	613
Area of Island (km ²)	0.44
Distance from Male' (km)	222.4
Distance from nearest airport (km)	56.98
Electricity Provider	FENAKA
Daily Peak Load (kW)	100
Peak load time	12:00
Installed Capacity (kW)	520
Installed Generator sets (kW)	200,160,160
Monthly Average Usage (kWh)	38,491.67
Yearly electricity production (kWh/yr)	461,900.00
Oil Consumption (Lit/yr)	163,763.00
Lube Oil Consumption (Lit/yr)	448.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2002
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	436.00

PICTURE : GOOGLE EARTH



Population	792
Area of Island (km ²)	0.29
Distance from Male' (km)	207.2
Distance from nearest airport (km)	46.52
Electricity Provider	FENAKA
Daily Peak Load (kW)	123
Peak load time	12:00
Installed Capacity (kW)	346
Installed Generator sets (kW)	80,200,66
Monthly Average Usage (kWh)	50,212.42
Yearly electricity production (kWh/yr)	602,549.00
Oil Consumption (Lit/yr)	214,006.00
Lube Oil Consumption (Lit/yr)	1,245.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2003
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	569.77

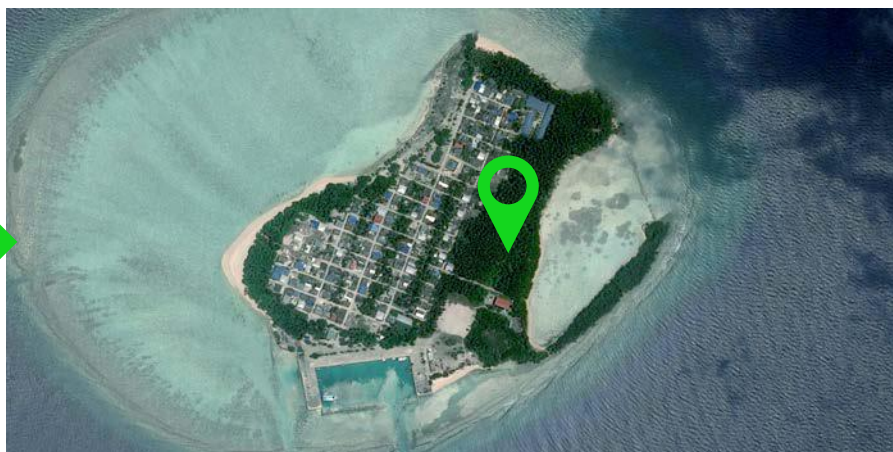
PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
SH. MAROSHI

Population	443
Area of Island (km ²)	0.31
Distance from Male' (km)	231.3
Distance from nearest airport (km)	55.75
Electricity Provider	FENAKA
Daily Peak Load (kW)	86
Peak load time	13:00
Installed Capacity (kW)	240
Installed Generator sets (kW)	80,80,80
Monthly Average Usage (kWh)	32,969.83
Yearly electricity production (kWh/yr)	395,638.00
Oil Consumption (Lit/yr)	156,684.00
Lube Oil Consumption (Lit/yr)	681.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	25, 35
CO ₂ emission (tCO ₂)	417.16

PICTURE : GOOGLE EARTH

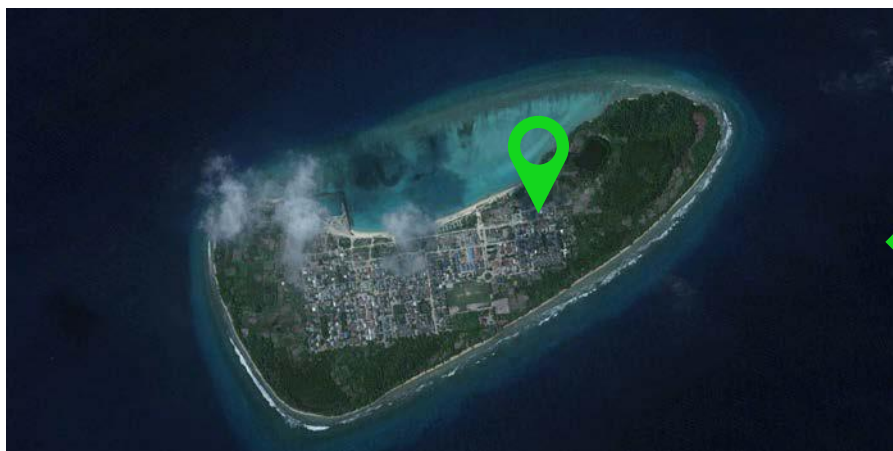


ISLAND ELECTRICITY DATA 2015 OF :
SH. MILANDHOO

SH

Population	1889
Area of Island (km ²)	1.31
Distance from Male' (km)	235.2
Distance from nearest airport (km)	53.78
Electricity Provider	FENAKA
Daily Peak Load (kW)	340
Peak load time	12:00
Installed Capacity (kW)	1002
Installed Generator sets (kW)	250,252,500
Monthly Average Usage (kWh)	134,715.67
Yearly electricity production (kWh/yr)	1,616,588.00
Oil Consumption (Lit/yr)	538,006.00
Lube Oil Consumption (Lit/yr)	1,875.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1999
Distribution Cable size (mm ²)	35, 50, 70, 95, 120
CO ₂ emission (tCO ₂)	1,432.39

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
SH. NARUDHOO

Population	490
Area of Island (km ²)	0.43
Distance from Male' (km)	233.9
Distance from nearest airport (km)	55.58
Electricity Provider	FENAKA
Daily Peak Load (kW)	65
Peak load time	11:00
Installed Capacity (kW)	190
Installed Generator sets (kW)	60,50,80
Monthly Average Usage (kWh)	22,172.92
Yearly electricity production (kWh/yr)	266,075.00
Oil Consumption (Lit/yr)	104,641.00
Lube Oil Consumption (Lit/yr)	401.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2009
Distribution Cable size (mm ²)	16, 25
CO ₂ emission (tCO ₂)	278.60

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
SH. NOOMARAA

SH

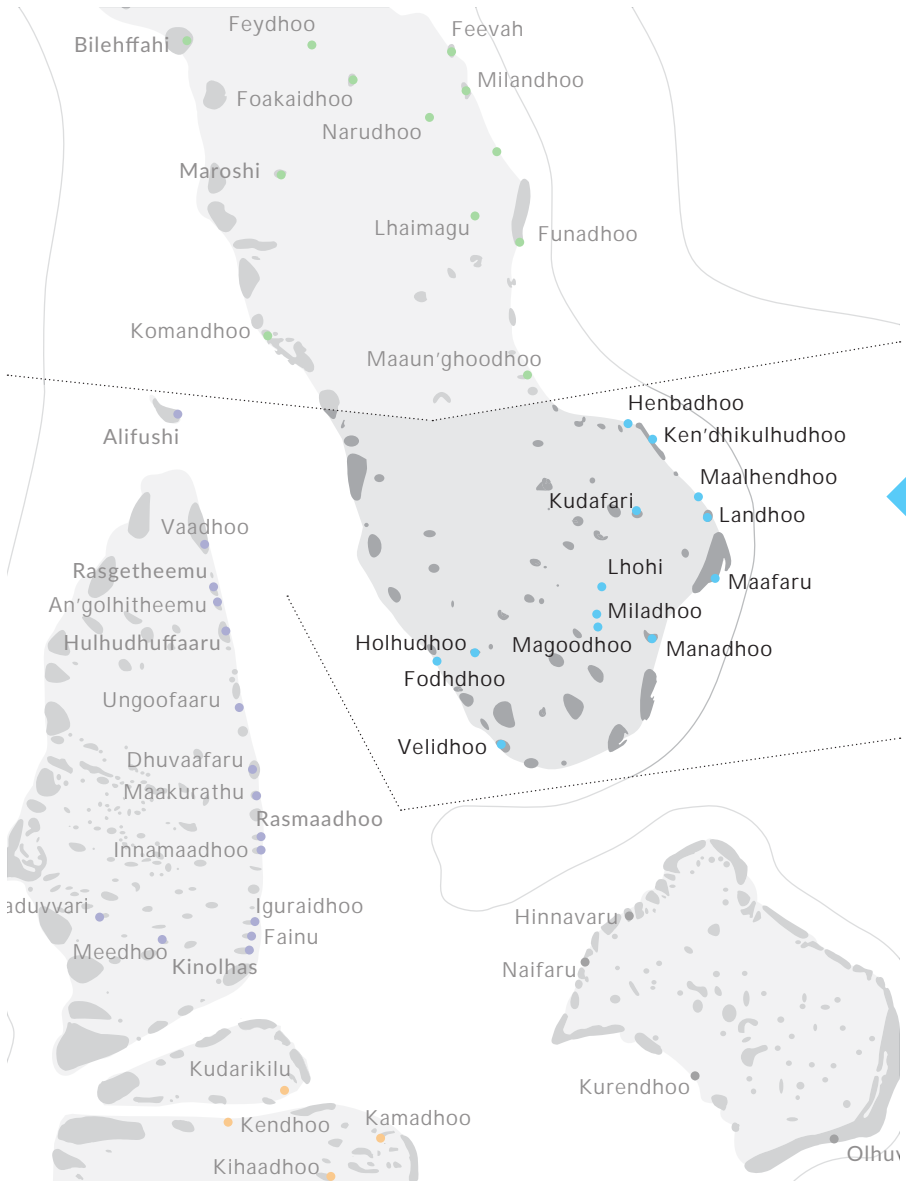
Population	343
Area of Island (km ²)	0.41
Distance from Male' (km)	255
Distance from nearest airport (km)	38.42
Electricity Provider	FENAKA
Daily Peak Load (kW)	45
Peak load time	21:00
Installed Capacity (kW)	189
Installed Generator sets (kW)	100,49,40
Monthly Average Usage (kWh)	16,655.08
Yearly electricity production (kWh/yr)	199,861.00
Oil Consumption (Lit/yr)	81,914.50
Lube Oil Consumption (Lit/yr)	559.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	6, 16
CO ₂ emission (tCO ₂)	218.09

PICTURE : GOOGLE EARTH





MALE' CITY
PHOTO: SARA MOHAMED



ISLAND ELECTRICITY DATA 2015 OF :
N. FODHDHOO

Population	228
Area of Island (km ²)	0.27
Distance from Male' (km)	175.4
Distance from nearest airport (km)	22.11
Electricity Provider	FENAKA
Daily Peak Load (kW)	36
Peak load time	17:00
Installed Capacity (kW)	186
Installed Generator sets (kW)	100,38,48
Monthly Average Usage (kWh)	15,861.97
Yearly electricity production (kWh/yr)	190,343.67
Oil Consumption (Lit/yr)	81,752.00
Lube Oil Consumption (Lit/yr)	664.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2011
Distribution Cable size (mm ²)	6, 65
CO ₂ emission (tCO ₂)	217.66

PICTURE : GOOGLE EARTH



Population	497
Area of Island (km ²)	0.14
Distance from Male' (km)	198.5
Distance from nearest airport (km)	50.37
Electricity Provider	FENAKA
Daily Peak Load (kW)	45
Peak load time	12:00
Installed Capacity (kW)	150
Installed Generator sets (kW)	50,48,52
Monthly Average Usage (kWh)	30,190.78
Yearly electricity production (kWh/yr)	362,289.35
Oil Consumption (Lit/yr)	145,053.00
Lube Oil Consumption (Lit/yr)	872.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1996
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	386.19

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
N. HOLHUDHOO

Population	1682
Area of Island (km ²)	0.20
Distance from Male' (km)	178.2
Distance from nearest airport (km)	27.29
Electricity Provider	FENAKA
Daily Peak Load (kW)	285
Peak load time	12:00
Installed Capacity (kW)	670
Installed Generator sets (kW)	250,300,120
Monthly Average Usage (kWh)	121,758.76
Yearly electricity production (kWh/yr)	1,461,105.16
Oil Consumption (Lit/yr)	502,635.00
Lube Oil Consumption (Lit/yr)	2,378.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2003
Distribution Cable size (mm ²)	35, 50
CO ₂ emission (tCO ₂)	1,338.22

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
N. KEN'DHIKULHUDHOO

N

Population	1331
Area of Island (km ²)	2.08
Distance from Male' (km)	196.7
Distance from nearest airport (km)	51.26
Electricity Provider	FENAKA
Daily Peak Load (kW)	235
Peak load time	12:00
Installed Capacity (kW)	490
Installed Generator sets (kW)	160,180,150
Monthly Average Usage (kWh)	86,781.86
Yearly electricity production (kWh/yr)	1,041,382.32
Oil Consumption (Lit/yr)	356,132.00
Lube Oil Consumption (Lit/yr)	859.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2009
Distribution Cable size (mm ²)	50, 70, 95, 120
CO ₂ emission (tCO ₂)	948.17

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
N. KUDAFARI

Population	480
Area of Island (km ²)	0.29
Distance from Male' (km)	189.3
Distance from nearest airport (km)	46.58
Electricity Provider	FENAKA
Daily Peak Load (kW)	60
Peak load time	19:00
Installed Capacity (kW)	298
Installed Generator sets (kW)	80,58,160
Monthly Average Usage (kWh)	35,451.70
Yearly electricity production (kWh/yr)	425,420.36
Oil Consumption (Lit/yr)	158,672.00
Lube Oil Consumption (Lit/yr)	522.50
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	16, 35
CO ₂ emission (tCO ₂)	422.45

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
N. LANDHOO

N

Population	668
Area of Island (km ²)	0.87
Distance from Male' (km)	188.9
Distance from nearest airport (km)	52.51
Electricity Provider	FENAKA
Daily Peak Load (kW)	144
Peak load time	12:30
Installed Capacity (kW)	413
Installed Generator sets (kW)	125,160,48,80
Monthly Average Usage (kWh)	41,721.67
Yearly electricity production (kWh/yr)	500,660.00
Oil Consumption (Lit/yr)	211,512.00
Lube Oil Consumption (Lit/yr)	418.50
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	563.13

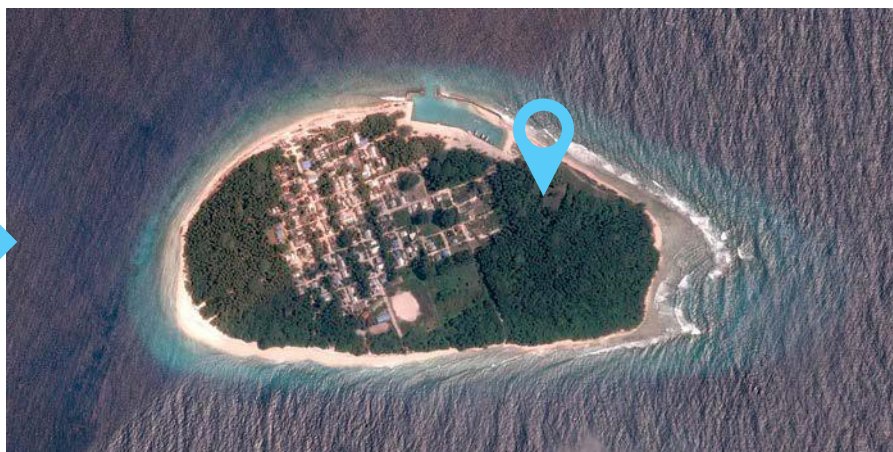
PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
N. LHOHI

Population	611
Area of Island (km ²)	0.40
Distance from Male' (km)	182.1
Distance from nearest airport (km)	41.46
Electricity Provider	FENAKA
Daily Peak Load (kW)	184
Peak load time	12:00
Installed Capacity (kW)	200
Installed Generator sets (kW)	40,80,80
Monthly Average Usage (kWh)	32,259.08
Yearly electricity production (kWh/yr)	387,109.00
Oil Consumption (Lit/yr)	165,862.00
Lube Oil Consumption (Lit/yr)	551.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2015
Distribution Cable size (mm ²)	6
CO ₂ emission (tCO ₂)	441.59

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
N. MAAFARU

N

Population	616
Area of Island (km ²)	1.31
Distance from Male' (km)	181.5
Distance from nearest airport (km)	52.41
Electricity Provider	FENAKA
Daily Peak Load (kW)	125
Peak load time	11:30
Installed Capacity (kW)	272
Installed Generator sets (kW)	56,160,56
Monthly Average Usage (kWh)	43,444.33
Yearly electricity production (kWh/yr)	521,332.00
Oil Consumption (Lit/yr)	184,744.00
Lube Oil Consumption (Lit/yr)	490.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2007
Distribution Cable size (mm ²)	50
CO ₂ emission (tCO ₂)	491.86

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
N. MAALHENDHOO

Population	667
Area of Island (km ²)	0.48
Distance from Male' (km)	190.9
Distance from nearest airport (km)	52.87
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	98
Peak load time	12:00
Installed Capacity (kW)	210
Installed Generator sets (kW)	50,80,80
Monthly Average Usage (kWh)	38,677.42
Yearly electricity production (kWh/yr)	464,129.00
Oil Consumption (Lit/yr)	195,525.00
Lube Oil Consumption (Lit/yr)	447.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1997
Distribution Cable size (mm ²)	50, 70
CO ₂ emission (tCO ₂)	520.57

PICTURE : GOOGLE EARTH



Population	258
Area of Island (km ²)	0.37
Distance from Male' (km)	178.5
Distance from nearest airport (km)	38.72
Electricity Provider	FENAKA
Daily Peak Load (kW)	40
Peak load time	20:00
Installed Capacity (kW)	78
Installed Generator sets (kW)	30,48
Monthly Average Usage (kWh)	13,880.00
Yearly electricity production (kWh/yr)	166,560.00
Oil Consumption (Lit/yr)	72,682
Lube Oil Consumption (Lit/yr)	179
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2010
Distribution Cable size (mm ²)	50
CO ₂ emission (tCO ₂)	193.51

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
N. MANADHOO

Population	1408
Area of Island (km ²)	1.07
Distance from Male' (km)	176.3
Distance from nearest airport (km)	43.87
Electricity Provider	FENAKA
Daily Peak Load (kW)	376
Peak load time	12:00
Installed Capacity (kW)	830
Installed Generator sets (kW)	250,400,180
Monthly Average Usage (kWh)	120,511.17
Yearly electricity production (kWh/yr)	1,446,134.00
Oil Consumption (Lit/yr)	521,755.00
Lube Oil Consumption (Lit/yr)	1,590.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	25, 35, 50,70, 150
CO ₂ emission (tCO ₂)	1,389.12

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
N. MILADHOO

N

Population	809
Area of Island (km ²)	0.22
Distance from Male' (km)	180.4
Distance from nearest airport (km)	39.14
Electricity Provider	FENAKA
Daily Peak Load (kW)	110
Peak load time	11:30
Installed Capacity (kW)	1002
Installed Generator sets (kW)	250,252,500
Monthly Average Usage (kWh)	44,671.58
Yearly electricity production (kWh/yr)	536,059.00
Oil Consumption (Lit/yr)	195,474.50
Lube Oil Consumption (Lit/yr)	887.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	520.43

PICTURE : GOOGLE EARTH

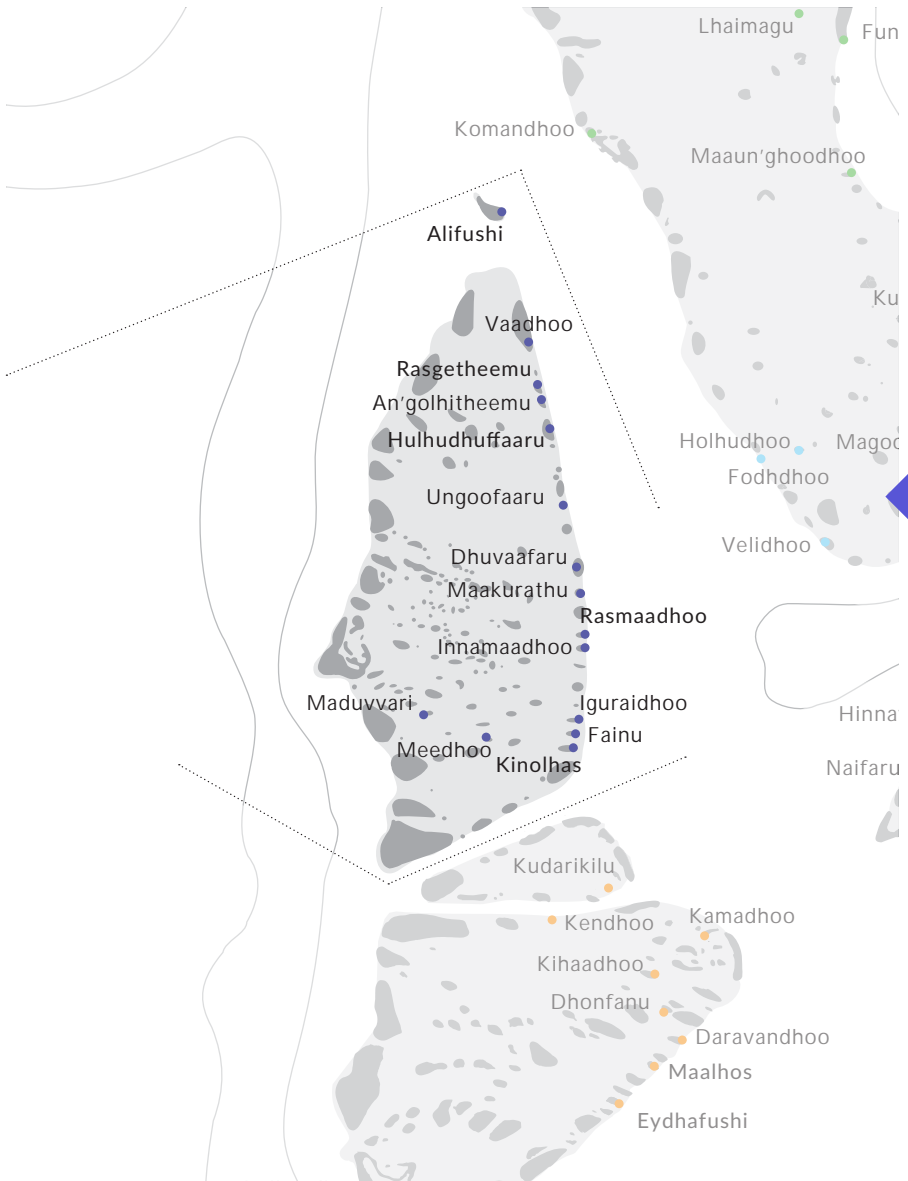


ISLAND ELECTRICITY DATA 2015 OF :
N. VELIDHOO

Population	1987
Area of Island (km ²)	0.44
Distance from Male' (km)	166.9
Distance from nearest airport (km)	28.53
Electricity Provider	FENAKA
Daily Peak Load (kW)	395
Peak load time	12:00
Installed Capacity (kW)	684
Installed Generator sets (kW)	112,160,112,300
Monthly Average Usage (kWh)	161,021.58
Yearly electricity production (kWh/yr)	1,932,259.00
Oil Consumption (Lit/yr)	647,672.00
Lube Oil Consumption (Lit/yr)	2,875.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1997
Distribution Cable size (mm ²)	16, 35, 50, 70, 95, 120
CO ₂ emission (tCO ₂)	1,724.36

PICTURE : GOOGLE EARTH





ISLAND ELECTRICITY DATA 2015 OF :
R. AN'GOLHITHEEMU

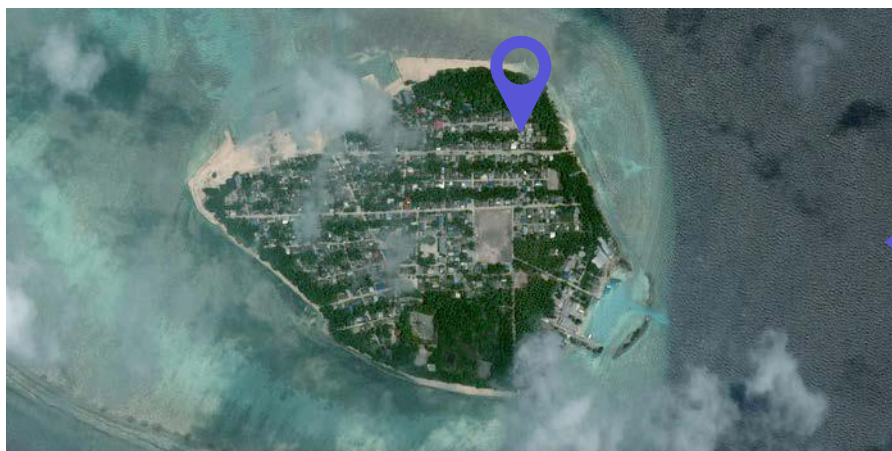
Population	400
Area of Island (km ²)	0.39
Distance from Male' (km)	188
Distance from nearest airport (km)	10.33
Electricity Provider	FENAKA
Daily Peak Load (kW)	65
Peak load time	12:00
Installed Capacity (kW)	409
Installed Generator sets (kW)	160,80,169
Monthly Average Usage (kWh)	22,464.08
Yearly electricity production (kWh/yr)	269,569.00
Oil Consumption (Lit/yr)	114,662.00
Lube Oil Consumption (Lit/yr)	747.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	305.28

PICTURE : GOOGLE EARTH



Population	1808
Area of Island (km ²)	0.59
Distance from Male' (km)	206.1
Distance from nearest airport (km)	29.76
Electricity Provider	FENAKA
Daily Peak Load (kW)	280
Peak load time	12:00
Installed Capacity (kW)	1000
Installed Generator sets (kW)	400,600
Monthly Average Usage (kWh)	116,344.42
Yearly electricity production (kWh/yr)	1,396,133.00
Oil Consumption (Lit/yr)	503,442.80
Lube Oil Consumption (Lit/yr)	1,281.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1994
Distribution Cable size (mm ²)	35, 50, 70, 95
CO ₂ emission (tCO ₂)	1,340.37

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
R. DHUVAAFARU

Population	3018
Area of Island (km ²)	0.50
Distance from Male' (km)	169.3
Distance from nearest airport (km)	8.85
Electricity Provider	MWSC
Daily Peak Load (kW)	547
Peak load time	12:00
Installed Capacity (kW)	1000
Installed Generator sets (kW)	400,600
Monthly Average Usage (kWh)	251,373.67
Yearly electricity production (kWh/yr)	3,016,484.00
Oil Consumption (Lit/yr)	826,915.00
Lube Oil Consumption (Lit/yr)	2,585.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	6, 16, 25, 35, 70, 95
CO ₂ emission (tCO ₂)	2,201.58

PICTURE : GOOGLE EARTH



Population	322
Area of Island (km ²)	0.60
Distance from Male' (km)	152.2
Distance from nearest airport (km)	26.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	60
Peak load time	12:30
Installed Capacity (kW)	367
Installed Generator sets (kW)	150,169,48
Monthly Average Usage (kWh)	19,335.00
Yearly electricity production (kWh/yr)	232,020.00
Oil Consumption (Lit/yr)	98,674.00
Lube Oil Consumption (Lit/yr)	704.20
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	262.71

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
R. HULHUDHUFFAARU

Population	1137
Area of Island (km ²)	0.60
Distance from Male' (km)	184.5
Distance from nearest airport (km)	6.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	180
Peak load time	12:00
Installed Capacity (kW)	620
Installed Generator sets (kW)	120,250,250
Monthly Average Usage (kWh)	69,336.25
Yearly electricity production (kWh/yr)	832,035.00
Oil Consumption (Lit/yr)	333,170.00
Lube Oil Consumption (Lit/yr)	1,244.30
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1994
Distribution Cable size (mm ²)	16, 35, 50, 70
CO ₂ emission (tCO ₂)	887.03

PICTURE : GOOGLE EARTH



Population	1223
Area of Island (km ²)	0.45
Distance from Male' (km)	152.2
Distance from nearest airport (km)	25.19
Electricity Provider	FENAKA
Daily Peak Load (kW)	96
Peak load time	14:30
Installed Capacity (kW)	430
Installed Generator sets (kW)	250,80,100
Monthly Average Usage (kWh)	75,700.42
Yearly electricity production (kWh/yr)	908,405.00
Oil Consumption (Lit/yr)	373,619.00
Lube Oil Consumption (Lit/yr)	1,335.70
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1995
Distribution Cable size (mm ²)	35, 50, 70, 90, 120
CO ₂ emission (tCO ₂)	994.72

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
R. INNAMAADHOO

Population	570
Area of Island (km ²)	0.34
Distance from Male' (km)	160.4
Distance from nearest airport (km)	17.51
Electricity Provider	FENAKA
Daily Peak Load (kW)	128
Peak load time	19:30
Installed Capacity (kW)	394
Installed Generator sets (kW)	64,250,80
Monthly Average Usage (kWh)	47,445.75
Yearly electricity production (kWh/yr)	569,349.00
Oil Consumption (Lit/yr)	246,100.00
Lube Oil Consumption (Lit/yr)	1,975.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1999
Distribution Cable size (mm ²)	25, 35, 70, 95, 120
CO ₂ emission (tCO ₂)	655.22

PICTURE : GOOGLE EARTH



Population	473
Area of Island (km ²)	0.54
Distance from Male' (km)	150.6
Distance from nearest airport (km)	28.22
Electricity Provider	FENAKA
Daily Peak Load (kW)	73
Peak load time	19:30
Installed Capacity (kW)	287
Installed Generator sets (kW)	104,50,48,85
Monthly Average Usage (kWh)	23,078.67
Yearly electricity production (kWh/yr)	276,944.00
Oil Consumption (Lit/yr)	119,953.00
Lube Oil Consumption (Lit/yr)	948.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	10, 16, 25, 35
CO ₂ emission (tCO ₂)	319.36

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
R. MAAKURATHU

Population	801
Area of Island (km ²)	0.50
Distance from Male' (km)	167.4
Distance from nearest airport (km)	10.83
Electricity Provider	FENAKA
Daily Peak Load (kW)	104
Peak load time	12:30
Installed Capacity (kW)	320
Installed Generator sets (kW)	80,160,80
Monthly Average Usage (kWh)	41,982.17
Yearly electricity production (kWh/yr)	503,786.00
Oil Consumption (Lit/yr)	171,288.00
Lube Oil Consumption (Lit/yr)	810.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	16, 35, 50, 70
CO ₂ emission (tCO ₂)	456.04

PICTURE : GOOGLE EARTH



Population	1479
Area of Island (km ²)	0.21
Distance from Male' (km)	159.8
Distance from nearest airport (km)	27.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	220
Peak load time	12:00
Installed Capacity (kW)	538
Installed Generator sets (kW)	250,128,160
Monthly Average Usage (kWh)	84,940.92
Yearly electricity production (kWh/yr)	1,019,291.00
Oil Consumption (Lit/yr)	350,154.00
Lube Oil Consumption (Lit/yr)	811.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2005
Distribution Cable size (mm ²)	25, 35, 50, 70, 90, 95
CO ₂ emission (tCO ₂)	932.25

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :

R. MEEDHOO

Population	1661
Area of Island (km ²)	0.35
Distance from Male' (km)	154.1
Distance from nearest airport (km)	28.19
Electricity Provider	FENAKA
Daily Peak Load (kW)	281
Peak load time	12:30
Installed Capacity (kW)	800
Installed Generator sets (kW)	400,150,150,100
Monthly Average Usage (kWh)	98,496.33
Yearly electricity production (kWh/yr)	1,181,956.00
Oil Consumption (Lit/yr)	391,760.00
Lube Oil Consumption (Lit/yr)	1,245.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2008
Distribution Cable size (mm ²)	16, 25, 35, 50, 70
CO ₂ emission (tCO ₂)	1,043.02

PICTURE : GOOGLE EARTH



Population	509
Area of Island (km ²)	0.38
Distance from Male' (km)	190.4
Distance from nearest airport (km)	11.62
Electricity Provider	FENAKA
Daily Peak Load (kW)	82
Peak load time	12:00
Installed Capacity (kW)	240
Installed Generator sets (kW)	80,160
Monthly Average Usage (kWh)	32,299.83
Yearly electricity production (kWh/yr)	387,598.00
Oil Consumption (Lit/yr)	141,050.00
Lube Oil Consumption (Lit/yr)	862.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2003
Distribution Cable size (mm ²)	25, 35
CO ₂ emission (tCO ₂)	375.53

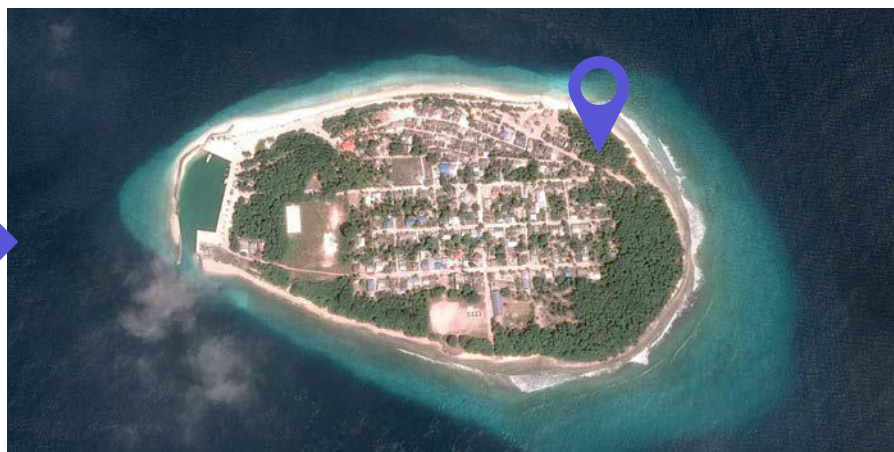
PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
R. RASMAADHOO

Population	512
Area of Island (km ²)	0.26
Distance from Male' (km)	162.2
Distance from nearest airport (km)	15.76
Electricity Provider	FENAKA
Daily Peak Load (kW)	165
Peak load time	18:30
Installed Capacity (kW)	308
Installed Generator sets (kW)	108,200
Monthly Average Usage (kWh)	31,634.42
Yearly electricity production (kWh/yr)	379,613.00
Oil Consumption (Lit/yr)	156,416.00
Lube Oil Consumption (Lit/yr)	766.50
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1985
Distribution Cable size (mm ²)	16, 25, 35, 50, 70
CO ₂ emission (tCO ₂)	416.44

PICTURE : GOOGLE EARTH



Population	1503
Area of Island (km ²)	0.34
Distance from Male' (km)	173.3
Distance from nearest airport (km)	4.13
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	524
Peak load time	12:30
Installed Capacity (kW)	836
Installed Generator sets (kW)	400,256,180
Monthly Average Usage (kWh)	196,573.83
Yearly electricity production (kWh/yr)	2,358,886.00
Oil Consumption (Lit/yr)	708,217.00
Lube Oil Consumption (Lit/yr)	1,266.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2009
Distribution Cable size (mm ²)	35, 50, 75, 95, 120
CO ₂ emission (tCO ₂)	1,885.56

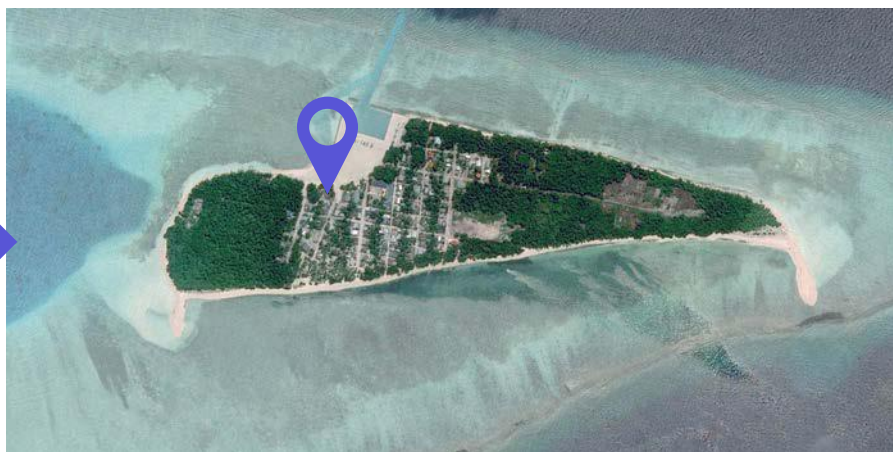
PICTURE : GOOGLE EARTH

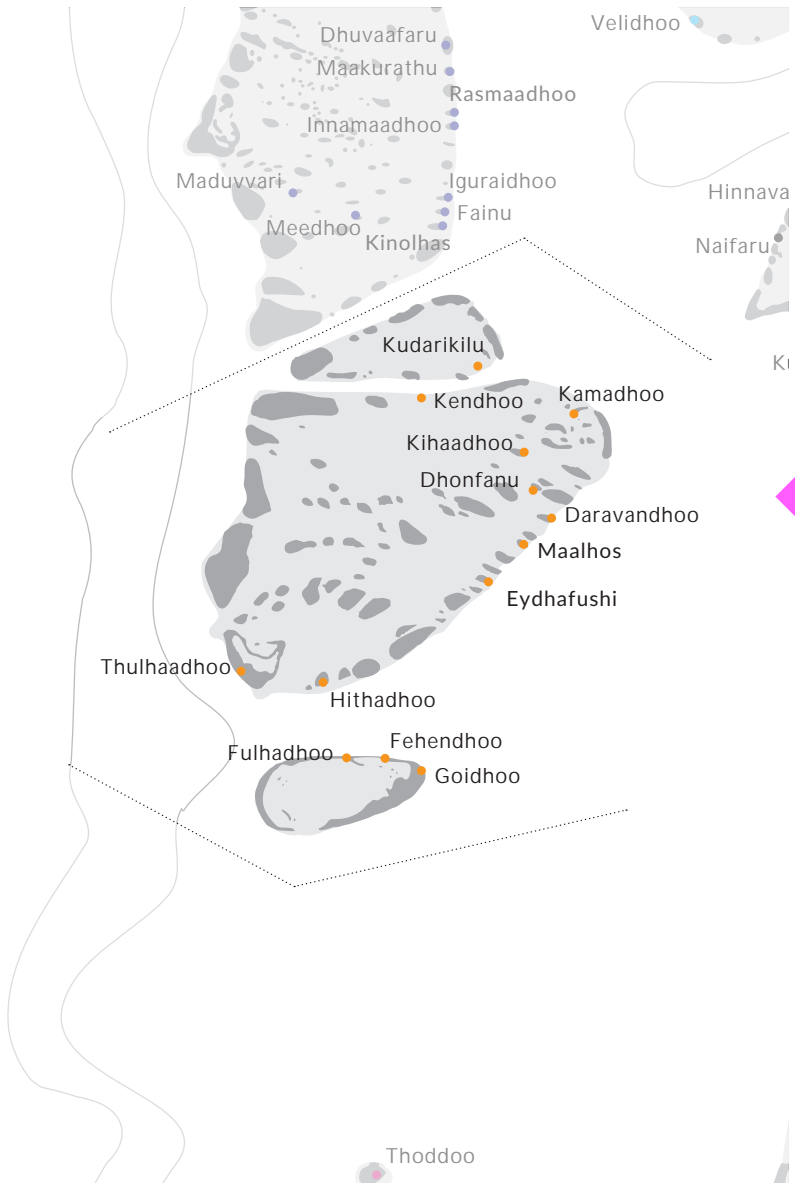


ISLAND ELECTRICITY DATA 2015 OF :
R. VAADHOO

Population	397
Area of Island (km ²)	0.38
Distance from Male' (km)	196.1
Distance from nearest airport (km)	17.37
Electricity Provider	FENAKA
Daily Peak Load (kW)	65
Peak load time	11:30
Installed Capacity (kW)	224
Installed Generator sets (kW)	40,104,80
Monthly Average Usage (kWh)	24,437.00
Yearly electricity production (kWh/yr)	293,244.00
Oil Consumption (Lit/yr)	114,345.00
Lube Oil Consumption (Lit/yr)	630.40
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	16, 35
CO ₂ emission (tCO ₂)	304.43

PICTURE : GOOGLE EARTH





ISLAND ELECTRICITY DATA 2015 OF :

B. DHARAVANDHOO

Population	839
Area of Island (km ²)	0.54
Distance from Male' (km)	115.6
Distance from nearest airport (km)	0
Electricity Provider	FENAKA
Daily Peak Load (kW)	243
Peak load time	13:00
Installed Capacity (kW)	475
Installed Generator sets (kW)	100,125,250
Monthly Average Usage (kWh)	91,143.50
Yearly electricity production (kWh/yr)	1,093,722.00
Oil Consumption (Lit/yr)	397,842.00
Lube Oil Consumption (Lit/yr)	2,187.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16, 25
CO ₂ emission (tCO ₂)	1,059.21

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
B. DHONFANU

B

Population	369
Area of Island (km ²)	0.17
Distance from Male' (km)	121.3
Distance from nearest airport (km)	3.55
Electricity Provider	FENAKA
Daily Peak Load (kW)	55
Peak load time	19:00
Installed Capacity (kW)	196
Installed Generator sets (kW)	80,48,68
Monthly Average Usage (kWh)	22,720.25
Yearly electricity production (kWh/yr)	272,643.00
Oil Consumption (Lit/yr)	105,134.00
Lube Oil Consumption (Lit/yr)	245.20
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16, 25
CO ₂ emission (tCO ₂)	279.91

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :

B. EYDHAFUSHI

Population	2626
Area of Island (km ²)	0.31
Distance from Male' (km)	113.3
Distance from nearest airport (km)	9.15
Electricity Provider	FENAKA
Daily Peak Load (kW)	840
Peak load time	11:00
Installed Capacity (kW)	1500
Installed Generator sets (kW)	300,200,600,400
Monthly Average Usage (kWh)	256,488.33
Yearly electricity production (kWh/yr)	3,077,860.00
Oil Consumption (Lit/yr)	1,137,546.00
Lube Oil Consumption (Lit/yr)	5,882.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1994
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95, 120
CO ₂ emission (tCO ₂)	3,028.60

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
B. FEHENDHOO

B

Population	107
Area of Island (km ²)	0.24
Distance from Male' (km)	98.7
Distance from nearest airport (km)	35.43
Electricity Provider	FENAKA
Daily Peak Load (kW)	22
Peak load time	12:00
Installed Capacity (kW)	72
Installed Generator sets (kW)	24,24,24,
Monthly Average Usage (kWh)	11,372.29
Yearly electricity production (kWh/yr)	136,467.51
Oil Consumption (Lit/yr)	42,000
Lube Oil Consumption (Lit/yr)	480
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1990
Distribution Cable size (mm ²)	6
CO ₂ emission (tCO ₂)	0.00

PICTURE : GOOGLE EARTH

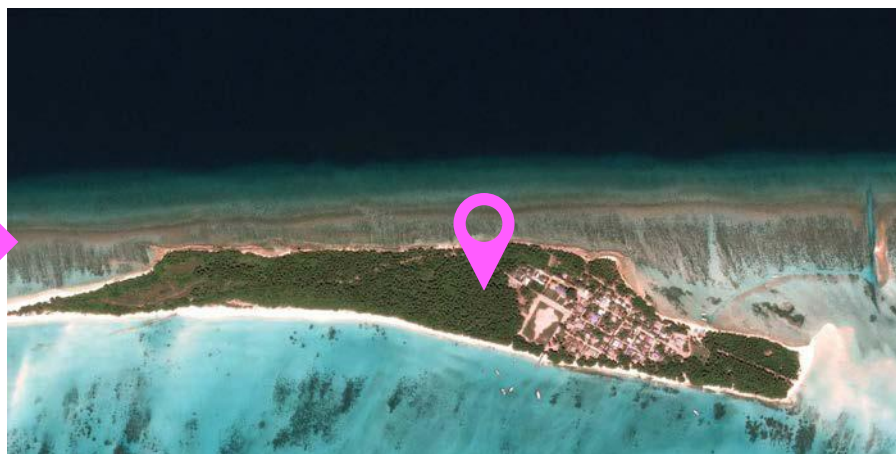


ISLAND ELECTRICITY DATA 2015 OF :

B. FULHADHOO

Population	220
Area of Island (km ²)	0.28
Distance from Male' (km)	101.1
Distance from nearest airport (km)	37.33
Electricity Provider	FENAKA
Daily Peak Load (kW)	50
Peak load time	12:00
Installed Capacity (kW)	192
Installed Generator sets (kW)	80,80,32
Monthly Average Usage (kWh)	16,555.75
Yearly electricity production (kWh/yr)	198,669.00
Oil Consumption (Lit/yr)	83,148.00
Lube Oil Consumption (Lit/yr)	434.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	221.37

PICTURE : GOOGLE EARTH

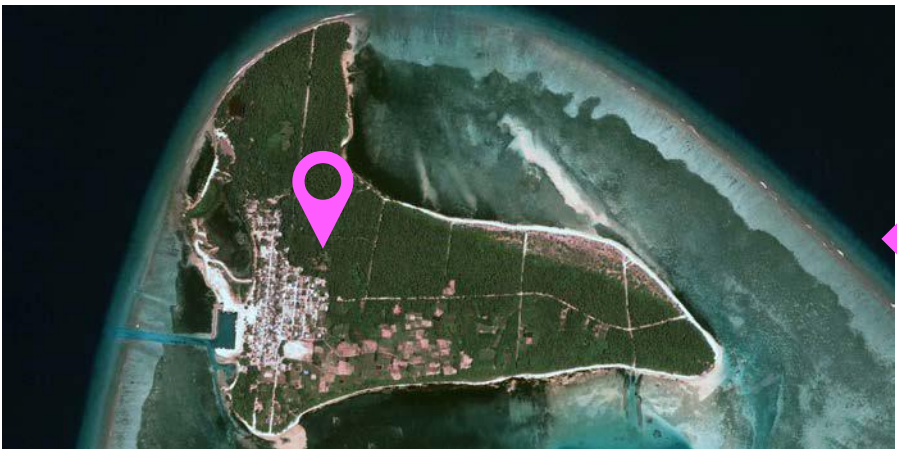


ISLAND ELECTRICITY DATA 2015 OF :
B. GOIDHOO

B

Population	548
Area of Island (km ²)	1.64
Distance from Male' (km)	96.5
Distance from nearest airport (km)	34.53
Electricity Provider	FENAKA
Daily Peak Load (kW)	99
Peak load time	11:00
Installed Capacity (kW)	538
Installed Generator sets (kW)	160,250,48,80
Monthly Average Usage (kWh)	42,901.25
Yearly electricity production (kWh/yr)	514,815.00
Oil Consumption (Lit/yr)	193,579.00
Lube Oil Consumption (Lit/yr)	1,229.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2008
Distribution Cable size (mm ²)	16, 50
CO ₂ emission (tCO ₂)	515.38

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :

B. HITHAADHOO

Population	718
Area of Island (km ²)	0.31
Distance from Male' (km)	113
Distance from nearest airport (km)	28.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	111
Peak load time	12:00
Installed Capacity (kW)	310
Installed Generator sets (kW)	150,160
Monthly Average Usage (kWh)	43,001.83
Yearly electricity production (kWh/yr)	516,022.00
Oil Consumption (Lit/yr)	176,007.00
Lube Oil Consumption (Lit/yr)	891.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	468.60

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
B. KAMADHOO

B

Population	471
Area of Island (km ²)	0.20
Distance from Male' (km)	129.5
Distance from nearest airport (km)	13.82
Electricity Provider	FENAKA
Daily Peak Load (kW)	106
Peak load time	12:00
Installed Capacity (kW)	440
Installed Generator sets (kW)	180,180,80
Monthly Average Usage (kWh)	38,245.25
Yearly electricity production (kWh/yr)	458,943.00
Oil Consumption (Lit/yr)	152,460.00
Lube Oil Consumption (Lit/yr)	746.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16, 25, 35, 50
CO ₂ emission (tCO ₂)	405.91

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :

B. KENDHOO

Population	868
Area of Island (km ²)	0.18
Distance from Male' (km)	134.3
Distance from nearest airport (km)	19.06
Electricity Provider	FENAKA
Daily Peak Load (kW)	147
Peak load time	14:00
Installed Capacity (kW)	470
Installed Generator sets (kW)	40,180,250
Monthly Average Usage (kWh)	58,865.08
Yearly electricity production (kWh/yr)	706,381.00
Oil Consumption (Lit/yr)	276,879.00
Lube Oil Consumption (Lit/yr)	1,478.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16, 25, 50
CO ₂ emission (tCO ₂)	737.16

PICTURE : GOOGLE EARTH

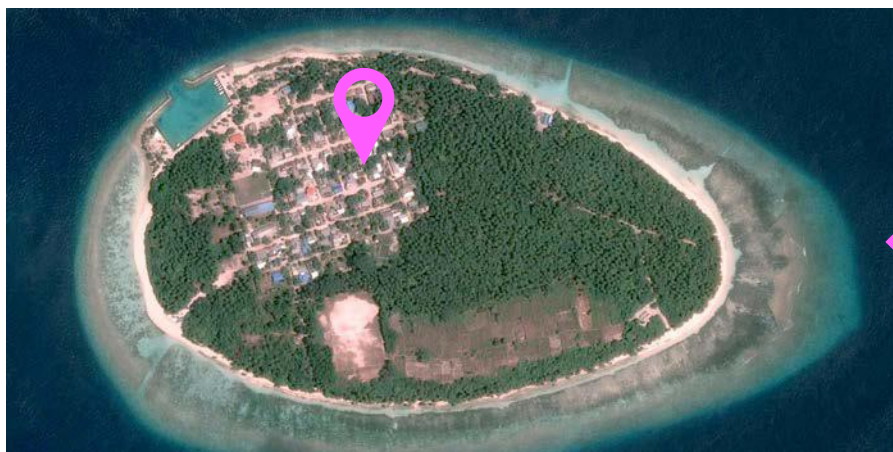


ISLAND ELECTRICITY DATA 2015 OF :
B. KIHAADHOO

B

Population	364
Area of Island (km ²)	0.31
Distance from Male' (km)	122.4
Distance from nearest airport (km)	6.58
Electricity Provider	FENAKA
Daily Peak Load (kW)	55
Peak load time	12:00
Installed Capacity (kW)	204
Installed Generator sets (kW)	40,104,60
Monthly Average Usage (kWh)	21,293.25
Yearly electricity production (kWh/yr)	255,519.00
Oil Consumption (Lit/yr)	100,639.00
Lube Oil Consumption (Lit/yr)	637.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	267.94

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :

B. KUDARIKILU

Population	429
Area of Island (km ²)	0.19
Distance from Male' (km)	133.7
Distance from nearest airport (km)	17.25
Electricity Provider	FENAKA
Daily Peak Load (kW)	80
Peak load time	12:00
Installed Capacity (kW)	260
Installed Generator sets (kW)	100,160
Monthly Average Usage (kWh)	29,158.75
Yearly electricity production (kWh/yr)	349,905.00
Oil Consumption (Lit/yr)	131,375.00
Lube Oil Consumption (Lit/yr)	706.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1995
Distribution Cable size (mm ²)	16, 25
CO ₂ emission (tCO ₂)	349.77

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
B. MAALHOS

B

Population	485
Area of Island (km ²)	0.26
Distance from Male' (km)	114.5
Distance from nearest airport (km)	4.12
Electricity Provider	FENAKA
Daily Peak Load (kW)	119
Peak load time	12:00
Installed Capacity (kW)	208
Installed Generator sets (kW)	128,80
Monthly Average Usage (kWh)	33,822.67
Yearly electricity production (kWh/yr)	405,872.00
Oil Consumption (Lit/yr)	161,290.00
Lube Oil Consumption (Lit/yr)	1,096.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	429.42

PICTURE : GOOGLE EARTH



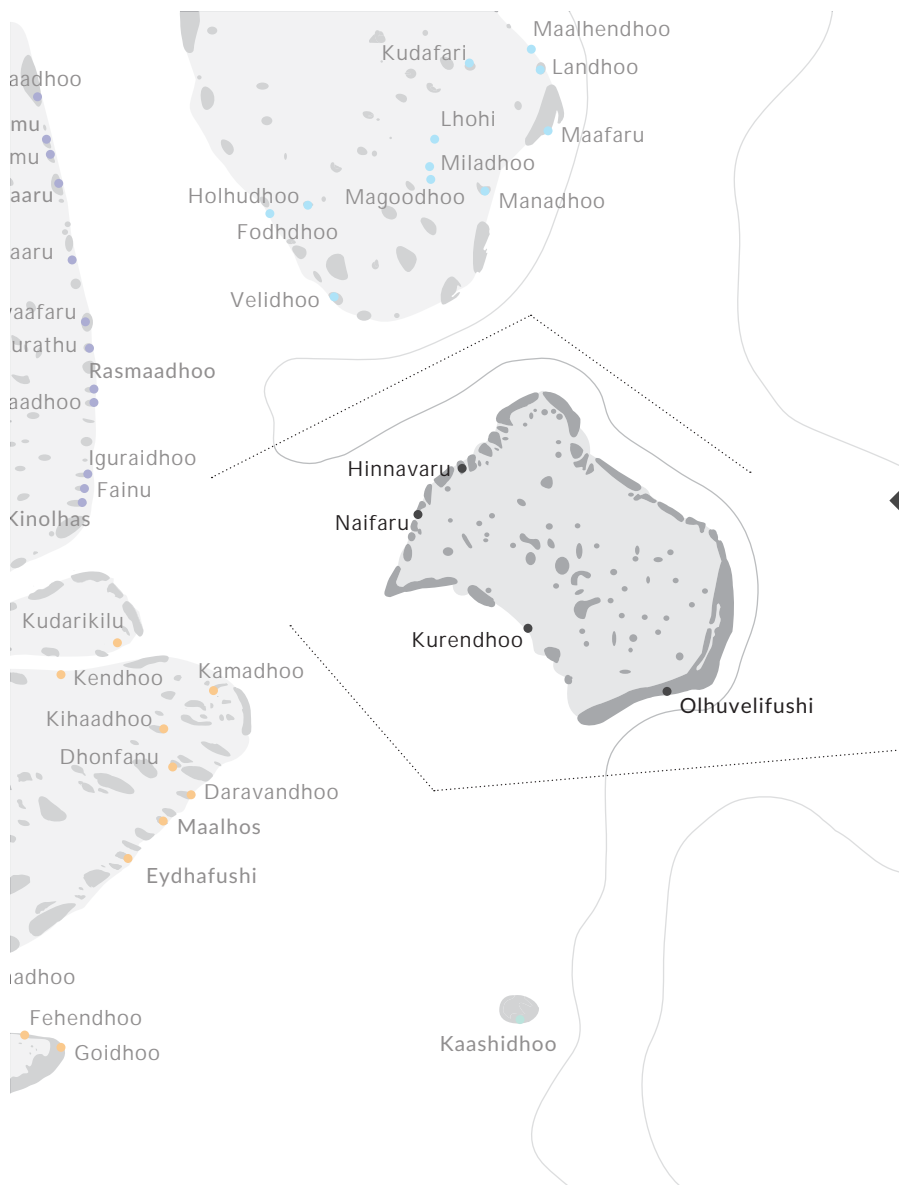
ISLAND ELECTRICITY DATA 2015 OF :

B. THULHAADHOO

Population	1505
Area of Island (km ²)	0.25
Distance from Male' (km)	119.8
Distance from nearest airport (km)	35.67
Electricity Provider	FENAKA
Daily Peak Load (kW)	268
Peak load time	12:00
Installed Capacity (kW)	700
Installed Generator sets (kW)	250,250,200
Monthly Average Usage (kWh)	100,299.42
Yearly electricity production (kWh/yr)	1,203,593.00
Oil Consumption (Lit/yr)	406,660.00
Lube Oil Consumption (Lit/yr)	1,377.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2001
Distribution Cable size (mm ²)	35, 50, 70, 90
CO ₂ emission (tCO ₂)	1,082.69

PICTURE : GOOGLE EARTH

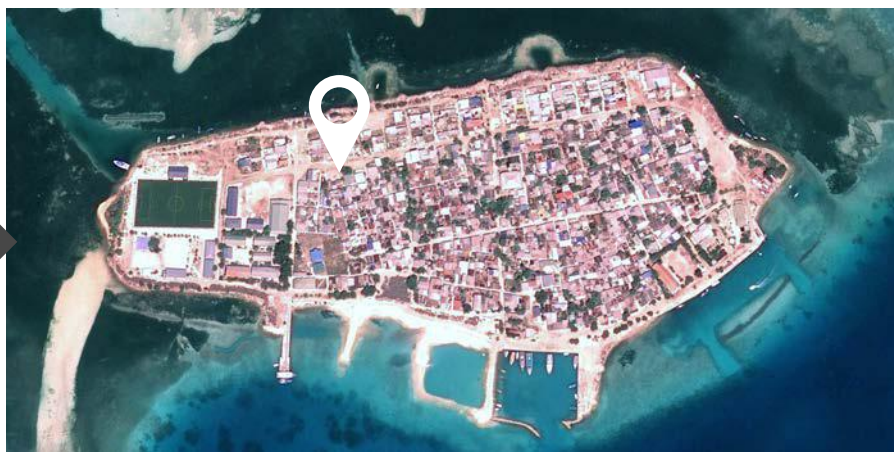




ISLAND ELECTRICITY DATA 2015 OF :
LH. HINNAVARU

Population	2490
Area of Island (km ²)	0.20
Distance from Male' (km)	144.8
Distance from nearest airport (km)	48.19
Electricity Provider	FENAKA
Daily Peak Load (kW)	548
Peak load time	12:30
Installed Capacity (kW)	1060
Installed Generator sets (kW)	200,500,360
Monthly Average Usage (kWh)	209,363.50
Yearly electricity production (kWh/yr)	2,512,362.00
Oil Consumption (Lit/yr)	950,517.00
Lube Oil Consumption (Lit/yr)	1,641.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2003
Distribution Cable size (mm ²)	16, 35, 50, 75, 95
CO ₂ emission (tCO ₂)	2,530.66

PICTURE : GOOGLE EARTH



Population	1230
Area of Island (km ²)	0.20
Distance from Male' (km)	152
Distance from nearest airport (km)	41.21
Electricity Provider	FENAKA
Daily Peak Load (kW)	226
Peak load time	12:00
Installed Capacity (kW)	415
Installed Generator sets (kW)	165,250
Monthly Average Usage (kWh)	89,938.08
Yearly electricity production (kWh/yr)	1,079,257.00
Oil Consumption (Lit/yr)	385,270.00
Lube Oil Consumption (Lit/yr)	1,301.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2002
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	1,025.74

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
LH. NAIFARU

Population	4141
Area of Island (km ²)	0.50
Distance from Male' (km)	141.7
Distance from nearest airport (km)	40.79
Electricity Provider	FENAKA
Daily Peak Load (kW)	790
Peak load time	12:00
Installed Capacity (kW)	2316
Installed Generator sets (kW)	720,300,648,648
Monthly Average Usage (kWh)	326,026.25
Yearly electricity production (kWh/yr)	3,912,315.00
Oil Consumption (Lit/yr)	1,284,092.00
Lube Oil Consumption (Lit/yr)	4,512.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1995
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	3,418.77

PICTURE : GOOGLE EARTH



Population	519
Area of Island (km ²)	0.30
Distance from Male' (km)	122.6
Distance from nearest airport (km)	54.16
Electricity Provider	FENAKA
Daily Peak Load (kW)	88
Peak load time	11:00
Installed Capacity (kW)	360
Installed Generator sets (kW)	160,100,100
Monthly Average Usage (kWh)	35,082.42
Yearly electricity production (kWh/yr)	420,989.00
Oil Consumption (Lit/yr)	161,460.00
Lube Oil Consumption (Lit/yr)	849.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	429.87

PICTURE : GOOGLE EARTH





HIRIYA SCHOOL, MALE' CITY
PHOTO: MINISTRY OF ENVIRONMENT AND ENERGY



ISLAND ELECTRICITY DATA 2015 OF :
K. DHIFFUSHI

Population	1061
Area of Island (km ²)	0.20
Distance from Male' (km)	61.1
Distance from nearest airport (km)	60.69
Electricity Provider	STELCO
Daily Peak Load (kW)	209
Peak load time	12:30
Installed Capacity (kW)	460
Installed Generator sets (kW)	300,160
Monthly Average Usage (kWh)	87,063.00
Yearly electricity production (kWh/yr)	1,044,756.00
Oil Consumption (Lit/yr)	375,483.00
Lube Oil Consumption (Lit/yr)	1,133.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2011/1988
Distribution Cable size (mm ²)	6, 25, 35, 50, 75
CO ₂ emission (tCO ₂)	999.69

PICTURE : GOOGLE EARTH



Population	1061
Area of Island (km ²)	0.20
Distance from Male' (km)	61.1
Distance from nearest airport (km)	60.69
Electricity Provider	STELCO
Daily Peak Load (kW)	209
Peak load time	12:30
Installed Capacity (kW)	460
Installed Generator sets (kW)	300,160
Monthly Average Usage (kWh)	87,063.00
Yearly electricity production (kWh/yr)	1,044,756.00
Oil Consumption (Lit/yr)	375,483.00
Lube Oil Consumption (Lit/yr)	1,133.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2011
Distribution Cable size (mm ²)	6, 25, 35, 50, 75
CO ₂ emission (tCO ₂)	999.69

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
K. GULHI

Population	893
Area of Island (km ²)	0.10
Distance from Male' (km)	22.2
Distance from nearest airport (km)	21.95
Electricity Provider	STELCO
Daily Peak Load (kW)	166
Peak load time	12:00
Installed Capacity (kW)	384
Installed Generator sets (kW)	120,264
Monthly Average Usage (kWh)	70,967.79
Yearly electricity production (kWh/yr)	851,613.50
Oil Consumption (Lit/yr)	274,500.00
Lube Oil Consumption (Lit/yr)	1,276.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual / Auto
Electricity cable installed year	2004
Distribution Cable size (mm ²)	35, 50
CO ₂ emission (tCO ₂)	730.83

PICTURE : GOOGLE EARTH



Population	1605
Area of Island (km ²)	0.20
Distance from Male' (km)	32
Distance from nearest airport (km)	32.24
Electricity Provider	STELCO
Daily Peak Load (kW)	382
Peak load time	12:00
Installed Capacity (kW)	794
Installed Generator sets (kW)	360,250,184
Monthly Average Usage (kWh)	170,589.08
Yearly electricity production (kWh/yr)	2,047,069.00
Oil Consumption (Lit/yr)	574,554.00
Lube Oil Consumption (Lit/yr)	1,550.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1998
Distribution Cable size (mm ²)	35, 50, 70, 95
CO ₂ emission (tCO ₂)	1,529.69

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
K. HIMMAFUSHI

Population	1308
Area of Island (km ²)	0.30
Distance from Male' (km)	15.7
Distance from nearest airport (km)	14.25
Electricity Provider	STELCO
Daily Peak Load (kW)	380
Peak load time	20:30
Installed Capacity (kW)	1010
Installed Generator sets (kW)	200,250,200,360
Monthly Average Usage (kWh)	177,677.83
Yearly electricity production (kWh/yr)	2,132,134.00
Oil Consumption (Lit/yr)	634,898.00
Lube Oil Consumption (Lit/yr)	3,339.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2001
Distribution Cable size (mm ²)	70, 95, 120
CO ₂ emission (tCO ₂)	1,690.35

PICTURE : GOOGLE EARTH



Population	15769
Area of Island (km ²)	2.00
Distance from Male' (km)	4.1
Distance from nearest airport (km)	2.67
Electricity Provider	STELCO
Daily Peak Load (kW)	4,740
Peak load time	21:30
Installed Capacity (kW)	5000
Installed Generator sets (kW)	1000,800,1200,1000,1000
Monthly Average Usage (kWh)	2,484,997.75
Yearly electricity production (kWh/yr)	29,819,973.00
Oil Consumption (Lit/yr)	8,234,612.00
Lube Oil Consumption (Lit/yr)	30,311.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2004
Distribution Cable size (mm ²)	70, 95, 120, 150, 185
CO ₂ emission (tCO ₂)	21,923.83

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
K. HURAA

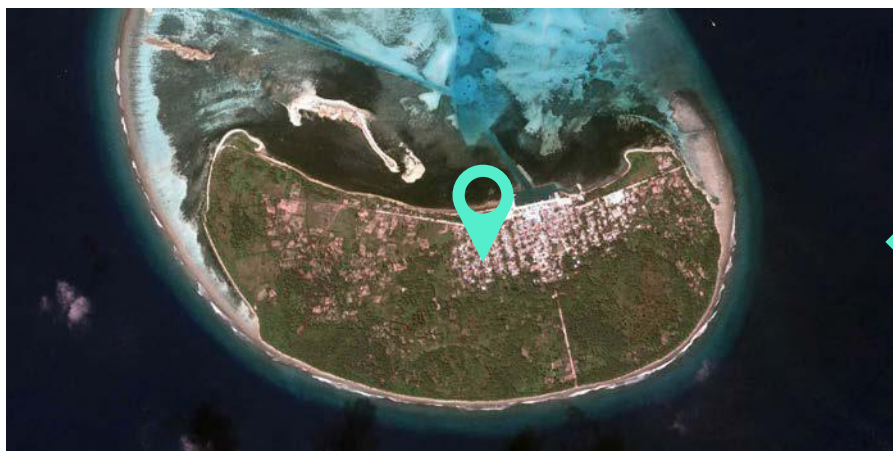
Population	1142
Area of Island (km ²)	0.30
Distance from Male' (km)	19.1
Distance from nearest airport (km)	17.97
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	431
Peak load time	14:35
Installed Capacity (kW)	2010
Installed Generator sets (kW)	100,360,450,550,550
Monthly Average Usage (kWh)	198,671.75
Yearly electricity production (kWh/yr)	2,384,061.00
Oil Consumption (Lit/yr)	704,826.00
Lube Oil Consumption (Lit/yr)	2,642.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual/Auto
Electricity cable installed year	2004
Distribution Cable size (mm ²)	35, 50
CO ₂ emission (tCO ₂)	1,876.53

PICTURE : GOOGLE EARTH



Population	1865
Area of Island (km ²)	2.80
Distance from Male' (km)	85.4
Distance from nearest airport (km)	42.49
Electricity Provider	STELCO
Daily Peak Load (kW)	364
Peak load time	19:00
Installed Capacity (kW)	610
Installed Generator sets (kW)	160,200,250
Monthly Average Usage (kWh)	149,424.25
Yearly electricity production (kWh/yr)	1,793,091.00
Oil Consumption (Lit/yr)	500,790.00
Lube Oil Consumption (Lit/yr)	3,282.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2001/2008
Distribution Cable size (mm ²)	25, 50, 70, 120
CO ₂ emission (tCO ₂)	1,333.30

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
K. MAAFUSHI

Population	2692
Area of Island (km ²)	0.40
Distance from Male' (km)	26.1
Distance from nearest airport (km)	27.44
Electricity Provider	STELCO
Daily Peak Load (kW)	1,022
Peak load time	19:00
Installed Capacity (kW)	2000
Installed Generator sets (kW)	1000,400,400,200
Monthly Average Usage (kWh)	466,230.92
Yearly electricity production (kWh/yr)	5,594,771.00
Oil Consumption (Lit/yr)	1,574,007.00
Lube Oil Consumption (Lit/yr)	5,060.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual / Auto
Electricity cable installed year	1996
Distribution Cable size (mm ²)	35, 50, 70, 95, 120, 150
CO ₂ emission (tCO ₂)	4,190.64

PICTURE : GOOGLE EARTH



Population	127079
Area of Island (km ²)	1.90
Distance from Male' (km)	0
Distance from nearest airport (km)	1.59
Electricity Provider	STELCO
Daily Peak Load (kW)	50,623
Peak load time	14:00
Installed Capacity (kW)	70420
Installed Generator sets (kW)	4320x1, 2160x3, 2000x2, 5760x1, 6500x2, 1000x5, 1600x9, 8730x2
Monthly Average Usage (kWh)	25,679,406.67
Yearly electricity production (kWh/yr)	308,152,880.00
Oil Consumption (Lit/yr)	79,509,152.00
Lube Oil Consumption (Lit/yr)	283,990.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1949
Distribution Cable size (mm ²)	6, 16, 25, 35, 50, 70, 95, 120, 150, 185
CO ₂ emission (tCO ₂)	211,685.17

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
K. THULUSDHOO

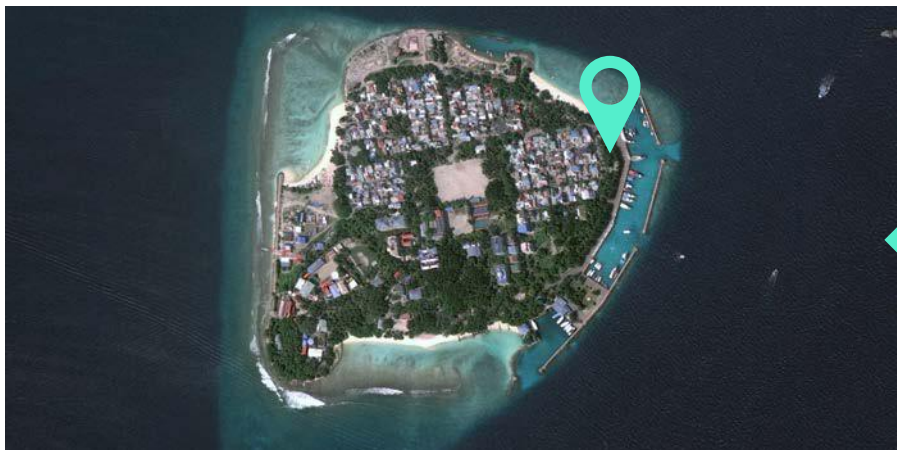
Population	1388
Area of Island (km ²)	0.40
Distance from Male' (km)	26.7
Distance from nearest airport (km)	24.89
Electricity Provider	STELCO
Daily Peak Load (kW)	396
Peak load time	12:30
Installed Capacity (kW)	1078
Installed Generator sets (kW)	200,320,450,108
Monthly Average Usage (kWh)	160,443.00
Yearly electricity production (kWh/yr)	1,925,316.00
Oil Consumption (Lit/yr)	545,362.65
Lube Oil Consumption (Lit/yr)	1,404.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2002
Distribution Cable size (mm ²)	70, 95
CO ₂ emission (tCO ₂)	1,451.97

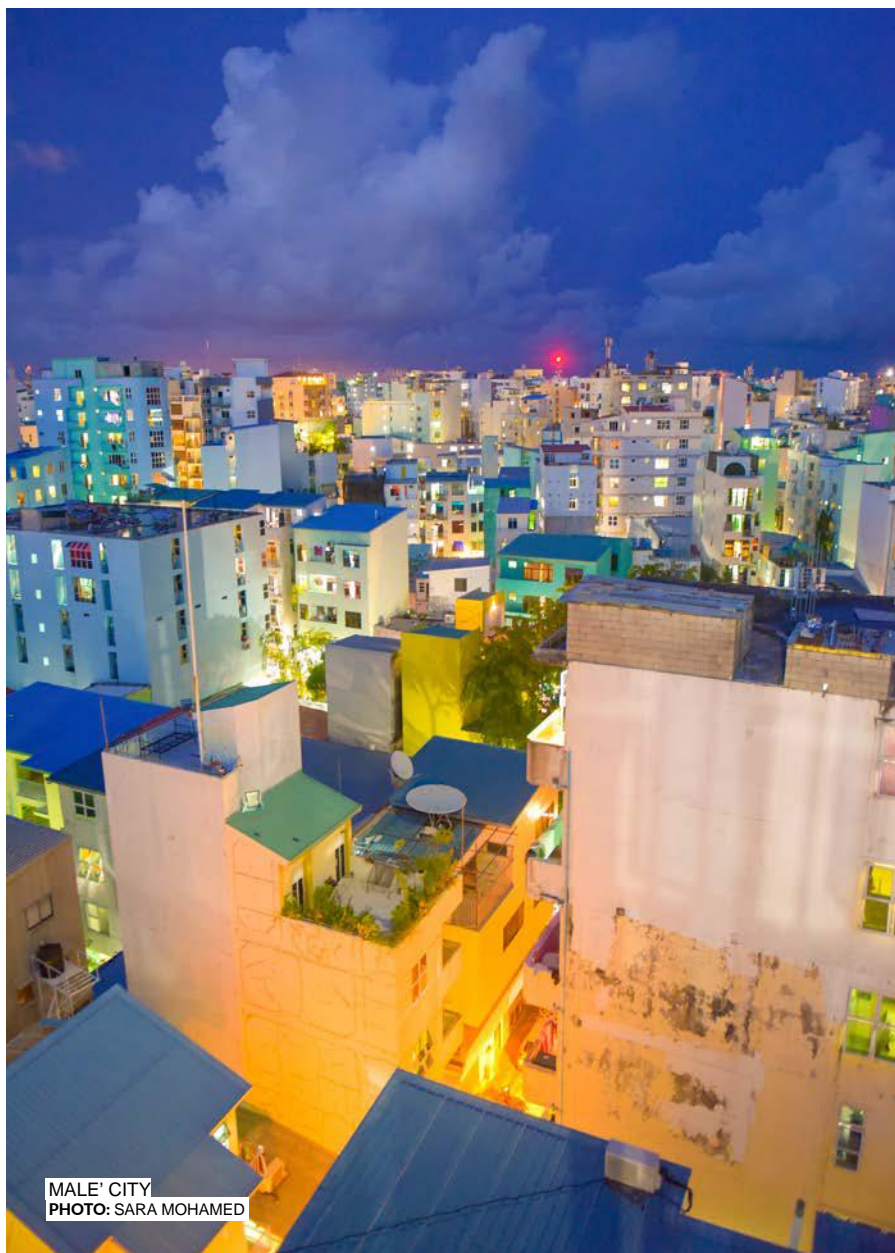
PICTURE : GOOGLE EARTH



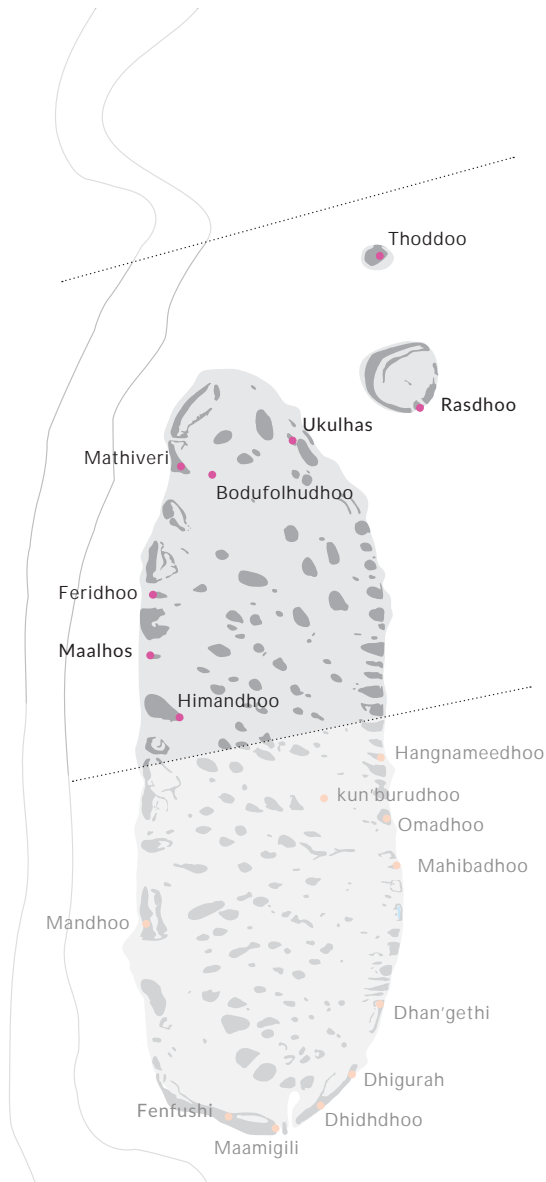
Population	7790
Area of Island (km ²)	0.30
Distance from Male' (km)	3.7
Distance from nearest airport (km)	4.58
Electricity Provider	STELCO
Daily Peak Load (kW)	1,833
Peak load time	21:00
Installed Capacity (kW)	3400
Installed Generator sets (kW)	1000,400,1000,1000
Monthly Average Usage (kWh)	922,429.77
Yearly electricity production (kWh/yr)	11,069,157.22
Oil Consumption (Lit/yr)	2,994,295.67
Lube Oil Consumption (Lit/yr)	10,020.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1998
Distribution Cable size (mm ²)	35, 70, 95, 120, 150, 185
CO ₂ emission (tCO ₂)	7,972.01

PICTURE : GOOGLE EARTH





MALE' CITY
PHOTO: SARA MOHAMED



ISLAND ELECTRICITY DATA 2015 OF :
AA. BODUFOLHUDHOO

Population	607
Area of Island (km ²)	0.09
Distance from Male' (km)	81.3
Distance from nearest airport (km)	78.83
Electricity Provider	STELCO
Daily Peak Load (kW)	110
Peak load time	11:30
Installed Capacity (kW)	288
Installed Generator sets (kW)	176,112
Monthly Average Usage (kWh)	49,213.98
Yearly electricity production (kWh/yr)	590,567.70
Oil Consumption (Lit/yr)	201,625.85
Lube Oil Consumption (Lit/yr)	813.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2001
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	536.81

PICTURE : GOOGLE EARTH



Population	437
Area of Island (km ²)	0.44
Distance from Male' (km)	89.8
Distance from nearest airport (km)	64.92
Electricity Provider	STELCO
Daily Peak Load (kW)	100
Peak load time	20:00
Installed Capacity (kW)	436
Installed Generator sets (kW)	140,88,80,128
Monthly Average Usage (kWh)	40,891.74
Yearly electricity production (kWh/yr)	490,700.90
Oil Consumption (Lit/yr)	149,088.00
Lube Oil Consumption (Lit/yr)	612.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	396.93

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
AA. HIMANDHOO

Population	703
Area of Island (km ²)	0.23
Distance from Male' (km)	90
Distance from nearest airport (km)	50.09
Electricity Provider	STELCO
Daily Peak Load (kW)	150
Peak load time	13:00
Installed Capacity (kW)	492
Installed Generator sets (kW)	112,160,220
Monthly Average Usage (kWh)	65,781.83
Yearly electricity production (kWh/yr)	789,381.90
Oil Consumption (Lit/yr)	225,930.00
Lube Oil Consumption (Lit/yr)	778.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2002
Distribution Cable size (mm ²)	50, 70
CO ₂ emission (tCO ₂)	601.52

PICTURE : GOOGLE EARTH



Population	426
Area of Island (km ²)	0.32
Distance from Male' (km)	91.5
Distance from nearest airport (km)	58.09
Electricity Provider	STELCO
Daily Peak Load (kW)	123
Peak load time	12:00
Installed Capacity (kW)	456
Installed Generator sets (kW)	80,80,120,176
Monthly Average Usage (kWh)	47,586.78
Yearly electricity production (kWh/yr)	571,041.40
Oil Consumption (Lit/yr)	164,149.00
Lube Oil Consumption (Lit/yr)	870.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2001
Distribution Cable size (mm ²)	25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	437.03

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
AA. MATHIVERI

Population	578
Area of Island (km ²)	0.22
Distance from Male' (km)	86.9
Distance from nearest airport (km)	79.84
Electricity Provider	STELCO
Daily Peak Load (kW)	216
Peak load time	19:00
Installed Capacity (kW)	600
Installed Generator sets (kW)	176,160,184,80
Monthly Average Usage (kWh)	77,087.23
Yearly electricity production (kWh/yr)	925,046.70
Oil Consumption (Lit/yr)	280,467.00
Lube Oil Consumption (Lit/yr)	1,078.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2015
Distribution Cable size (mm ²)	25, 35, 50, 70
CO ₂ emission (tCO ₂)	746.72

PICTURE : GOOGLE EARTH



Population	1065
Area of Island (km ²)	0.20
Distance from Male' (km)	58
Distance from nearest airport (km)	60.06
Electricity Provider	STELCO
Daily Peak Load (kW)	400
Peak load time	13:00
Installed Capacity (kW)	770
Installed Generator sets (kW)	440,330
Monthly Average Usage (kWh)	160,584.17
Yearly electricity production (kWh/yr)	1,927,010.07
Oil Consumption (Lit/yr)	571,819.18
Lube Oil Consumption (Lit/yr)	1,969.25
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2001
Distribution Cable size (mm ²)	25, 35, 50, 95, 150
CO ₂ emission (tCO ₂)	1,522.41

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
AA. THODDOO

Population	1320
Area of Island (km ²)	1.73
Distance from Male' (km)	67.8
Distance from nearest airport (km)	68.24
Electricity Provider	STELCO
Daily Peak Load (kW)	290
Peak load time	11:00
Installed Capacity (kW)	760
Installed Generator sets (kW)	176,320,264
Monthly Average Usage (kWh)	48,535.67
Yearly electricity production (kWh/yr)	582,428.00
Oil Consumption (Lit/yr)	176,236.00
Lube Oil Consumption (Lit/yr)	400.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1997
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	469.21

PICTURE : GOOGLE EARTH



Population	918
Area of Island (km ²)	0.21
Distance from Male' (km)	72
Distance from nearest airport (km)	73.48
Electricity Provider	STELCO
Daily Peak Load (kW)	198
Peak load time	12:30
Installed Capacity (kW)	552
Installed Generator sets (kW)	112,200,240
Monthly Average Usage (kWh)	84,417.03
Yearly electricity production (kWh/yr)	1,013,004.40
Oil Consumption (Lit/yr)	284,826.57
Lube Oil Consumption (Lit/yr)	1,310.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2002
Distribution Cable size (mm ²)	50, 70, 95
CO ₂ emission (tCO ₂)	758.32

PICTURE : GOOGLE EARTH





DHIRAAGU BUILDING , MALE' CITY
PHOTO: AHMED ZAHIR



ISLAND ELECTRICITY DATA 2015 OF :
ADH. DHAN'GETHI

Population	827
Area of Island (km ²)	0.25
Distance from Male' (km)	89.1
Distance from nearest airport (km)	19.07
Electricity Provider	STELCO
Daily Peak Load (kW)	170
Peak load time	11:00
Installed Capacity (kW)	580
Installed Generator sets (kW)	200,200,180
Monthly Average Usage (kWh)	81,613.33
Yearly electricity production (kWh/yr)	979,360.00
Oil Consumption (Lit/yr)	302,520.00
Lube Oil Consumption (Lit/yr)	1,332.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2002
Distribution Cable size (mm ²)	16, 25, 35, 50
CO ₂ emission (tCO ₂)	805.43

PICTURE : GOOGLE EARTH



Population	156
Area of Island (km ²)	0.55
Distance from Male' (km)	96.9
Distance from nearest airport (km)	4.01
Electricity Provider	STELCO
Daily Peak Load (kW)	43
Peak load time	20:00
Installed Capacity (kW)	152
Installed Generator sets (kW)	80,72
Monthly Average Usage (kWh)	15,925.14
Yearly electricity production (kWh/yr)	191,101.70
Oil Consumption (Lit/yr)	72,551.00
Lube Oil Consumption (Lit/yr)	333.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2014
Distribution Cable size (mm ²)	35, 50
CO ₂ emission (tCO ₂)	193.16

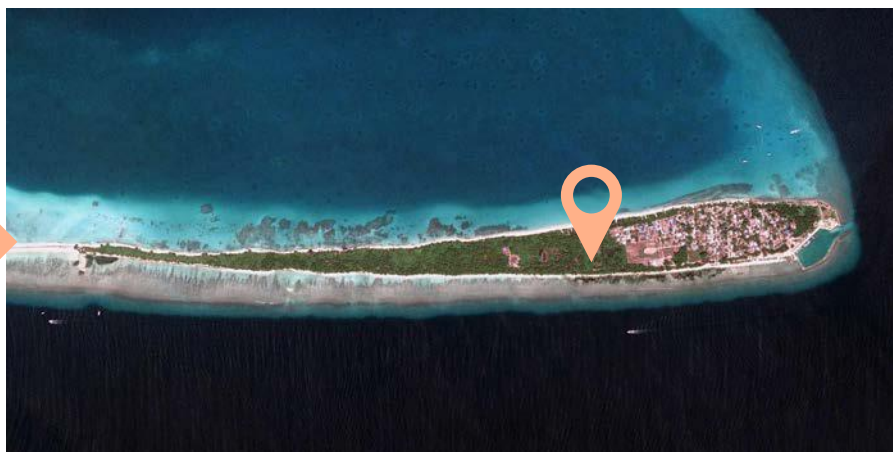
PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
ADH. DHIGURAH

Population	608
Area of Island (km²)	0.24
Distance from Male' (km)	104.8
Distance from nearest airport (km)	12.08
Electricity Provider	STELCO
Daily Peak Load (kW)	191
Peak load time	16:00
Installed Capacity (kW)	707
Installed Generator sets (kW)	160,375,112,60
Monthly Average Usage (kWh)	63,985.67
Yearly electricity production (kWh/yr)	767,828.03
Oil Consumption (Lit/yr)	243,988.00
Lube Oil Consumption (Lit/yr)	790.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto/Manual
Electricity cable installed year	2000
Distribution Cable size (mm²)	16, 25, 35, 50
CO ₂ emission (tCO ₂)	649.59

PICTURE : GOOGLE EARTH



Population	836
Area of Island (km ²)	0.20
Distance from Male' (km)	112.6
Distance from nearest airport (km)	6.44
Electricity Provider	STELCO
Daily Peak Load (kW)	174
Peak load time	12:30
Installed Capacity (kW)	648
Installed Generator sets (kW)	176,264,128,80
Monthly Average Usage (kWh)	72,533.47
Yearly electricity production (kWh/yr)	870,401.60
Oil Consumption (Lit/yr)	252,972.96
Lube Oil Consumption (Lit/yr)	1,187.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2002
Distribution Cable size (mm ²)	16, 35, 50, 70
CO ₂ emission (tCO ₂)	673.52

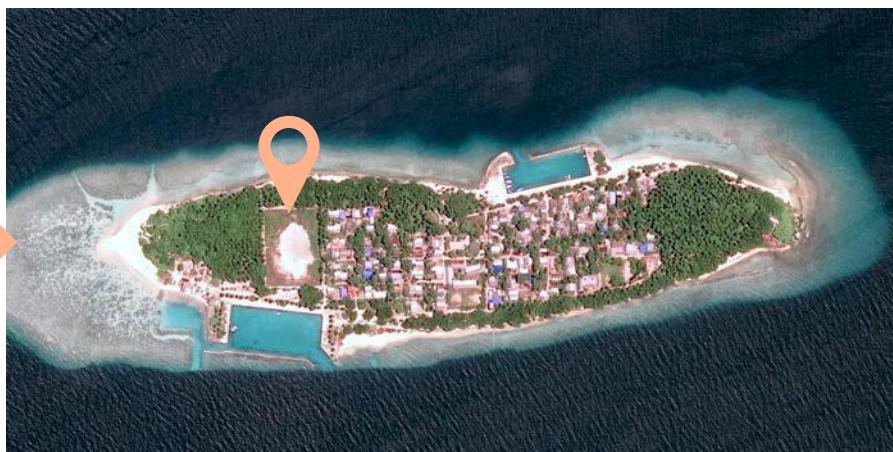
PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
ADH. HANGNAMEEDHOO

Population	501
Area of Island (km ²)	0.21
Distance from Male' (km)	71.3
Distance from nearest airport (km)	43.12
Electricity Provider	STELCO
Daily Peak Load (kW)	100
Peak load time	12:30
Installed Capacity (kW)	384
Installed Generator sets (kW)	124,100,160
Monthly Average Usage (kWh)	45,553.94
Yearly electricity production (kWh/yr)	546,647.30
Oil Consumption (Lit/yr)	162,036.00
Lube Oil Consumption (Lit/yr)	926.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2002
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	431.40

PICTURE : GOOGLE EARTH



Population	462
Area of Island (km ²)	0.06
Distance from Male' (km)	78.5
Distance from nearest airport (km)	34.21
Electricity Provider	STELCO
Daily Peak Load (kW)	81
Peak load time	12:00
Installed Capacity (kW)	240.6
Installed Generator sets (kW)	72.6,88,80
Monthly Average Usage (kWh)	34,342.78
Yearly electricity production (kWh/yr)	412,113.30
Oil Consumption (Lit/yr)	130,155.00
Lube Oil Consumption (Lit/yr)	351.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2004
Distribution Cable size (mm ²)	16, 50
CO ₂ emission (tCO ₂)	346.52

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
ADH. MAAMIGILI

Population	2315
Area of Island (km²)	0.75
Distance from Male' (km)	110
Distance from nearest airport (km)	0
Electricity Provider	Villa
Daily Peak Load (kW)	1214
Peak load time	12:00
Installed Capacity (kW)	1264
Installed Generator sets (kW)	480,480,304
Monthly Average Usage (kWh)	317,800.42
Yearly electricity production (kWh/yr)	3,813,605.00
Oil Consumption (Lit/yr)	1,146,542.00
Lube Oil Consumption (Lit/yr)	4,314.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1992
Distribution Cable size (mm²)	35, 70, 95, 150, 300
CO ₂ emission (tCO ₂)	3,052.55

PICTURE : GOOGLE EARTH



Population	2075
Area of Island (km ²)	0.22
Distance from Male' (km)	77.6
Distance from nearest airport (km)	33.88
Electricity Provider	STELCO
Daily Peak Load (kW)	483
Peak load time	12:30
Installed Capacity (kW)	1250
Installed Generator sets (kW)	130,400,440,280
Monthly Average Usage (kWh)	215,539.38
Yearly electricity production (kWh/yr)	2,586,472.60
Oil Consumption (Lit/yr)	712,871.00
Lube Oil Consumption (Lit/yr)	2,086.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2015
Distribution Cable size (mm ²)	25, 35, 70, 90, 120
CO ₂ emission (tCO ₂)	1,897.95

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
ADH. MANDHOO

Population	363
Area of Island (km ²)	0.39
Distance from Male' (km)	103.7
Distance from nearest airport (km)	28.26
Electricity Provider	STELCO
Daily Peak Load (kW)	44
Peak load time	20:30
Installed Capacity (kW)	150
Installed Generator sets (kW)	50,50,50
Monthly Average Usage (kWh)	18,103.42
Yearly electricity production (kWh/yr)	217,241.00
Oil Consumption (Lit/yr)	88,300.00
Lube Oil Consumption (Lit/yr)	180.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2003
Distribution Cable size (mm ²)	25, 16
CO ₂ emission (tCO ₂)	235.09

PICTURE : GOOGLE EARTH



Population	886
Area of Island (km ²)	0.24
Distance from Male' (km)	75.4
Distance from nearest airport (km)	37.37
Electricity Provider	STELCO
Daily Peak Load (kW)	133
Peak load time	19:00
Installed Capacity (kW)	448
Installed Generator sets (kW)	120,150,178
Monthly Average Usage (kWh)	55,813.84
Yearly electricity production (kWh/yr)	669,766.10
Oil Consumption (Lit/yr)	209,160.00
Lube Oil Consumption (Lit/yr)	986.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1999
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	556.87

PICTURE : GOOGLE EARTH





SHARAFUHDDHIN SCHOOL - ADDU CITY
PHOTO: MINISTRY OF ENVIRONMENT AND ENERGY

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ISLAND ELECTRICITY DATA 2015 OF :
V. FELIDHOO

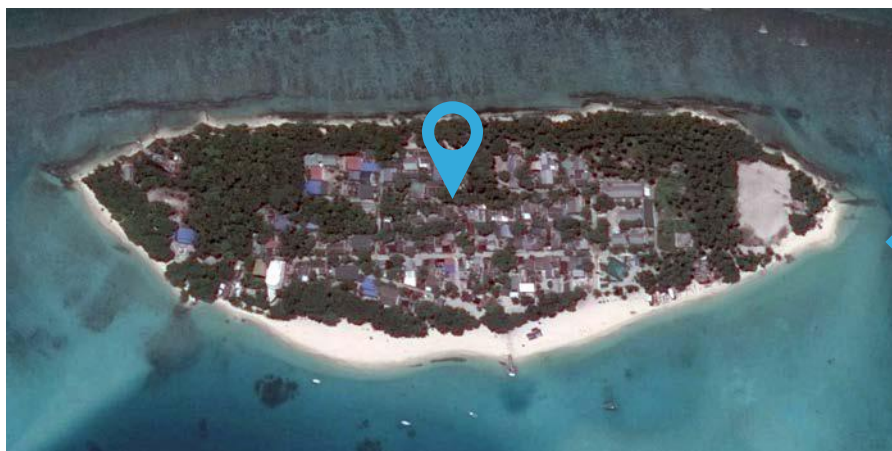
Population	516
Area of Island (km ²)	0.14
Distance from Male' (km)	79.6
Distance from nearest airport (km)	78.14
Electricity Provider	STELCO
Daily Peak Load (kW)	151
Peak load time	13:00
Installed Capacity (kW)	510
Installed Generator sets (kW)	150,120,240
Monthly Average Usage (kWh)	68,789.18
Yearly electricity production (kWh/yr)	825,470.10
Oil Consumption (Lit/yr)	235,430.00
Lube Oil Consumption (Lit/yr)	1,156.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm ²)	25, 35, 50, 70
CO ₂ emission (tCO ₂)	626.81

PICTURE : GOOGLE EARTH



Population	360
Area of Island (km ²)	0.12
Distance from Male' (km)	56.7
Distance from nearest airport (km)	57.58
Electricity Provider	STELCO
Daily Peak Load (kW)	82
Peak load time	12:30
Installed Capacity (kW)	388
Installed Generator sets (kW)	80,80,100,128
Monthly Average Usage (kWh)	34,637.62
Yearly electricity production (kWh/yr)	415,651.48
Oil Consumption (Lit/yr)	160,768.83
Lube Oil Consumption (Lit/yr)	1,479.50
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2011
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	428.03

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
V. KEYODHOO

Population	657
Area of Island (km ²)	0.12
Distance from Male' (km)	79.6
Distance from nearest airport (km)	78.67
Electricity Provider	STELCO
Daily Peak Load (kW)	116
Peak load time	19:00
Installed Capacity (kW)	289
Installed Generator sets (kW)	120,64,105
Monthly Average Usage (kWh)	46,214.12
Yearly electricity production (kWh/yr)	554,569.40
Oil Consumption (Lit/yr)	180,087.00
Lube Oil Consumption (Lit/yr)	634.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	479.46

PICTURE : GOOGLE EARTH



Population	84
Area of Island (km ²)	0.06
Distance from Male' (km)	96.5
Distance from nearest airport (km)	72.06
Electricity Provider	STELCO
Daily Peak Load (kW)	37
Peak load time	13:00
Installed Capacity (kW)	152.6
Installed Generator sets (kW)	40,40,72.6
Monthly Average Usage (kWh)	15,869.00
Yearly electricity production (kWh/yr)	190,428.00
Oil Consumption (Lit/yr)	58,607.18
Lube Oil Consumption (Lit/yr)	580.25
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	156.04

PICTURE : GOOGLE EARTH

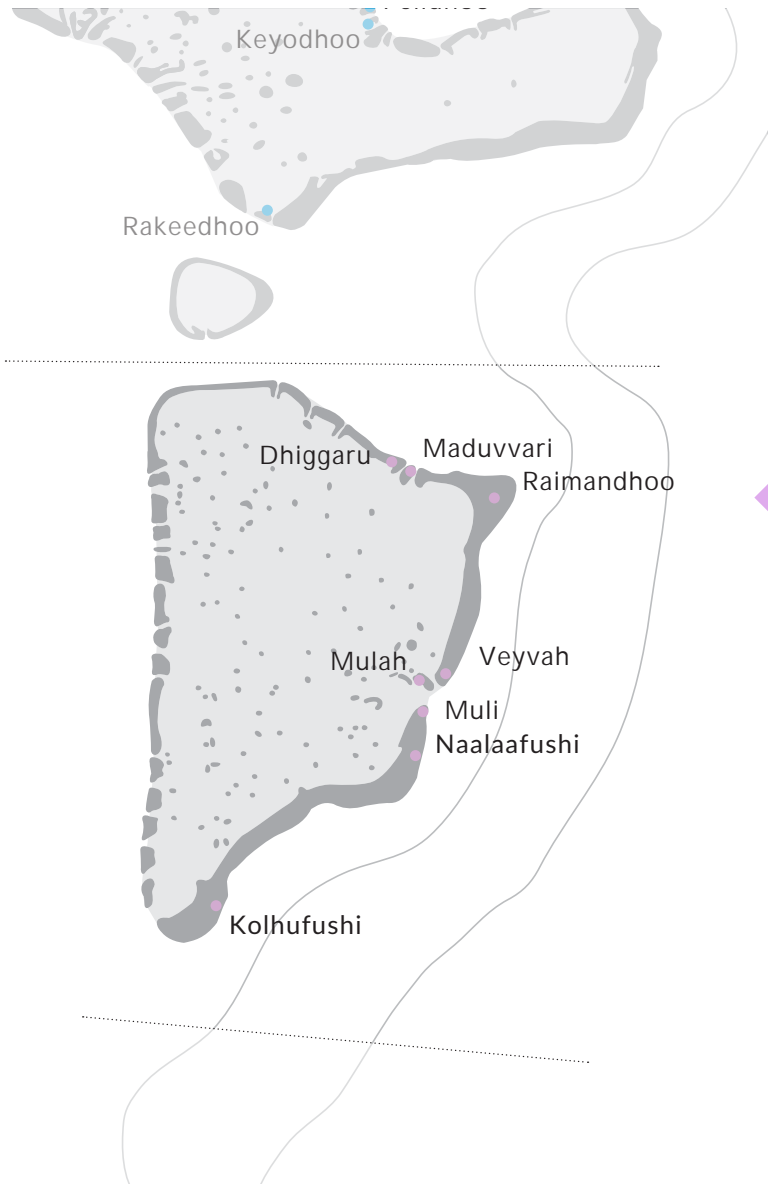


ISLAND ELECTRICITY DATA 2015 OF :
V. THINADHOO

Population	132
Area of Island (km ²)	0.12
Distance from Male' (km)	77.8
Distance from nearest airport (km)	77.48
Electricity Provider	STELCO
Daily Peak Load (kW)	110
Peak load time	12:30
Installed Capacity (kW)	611
Installed Generator sets (kW)	102,201,308
Monthly Average Usage (kWh)	28,136.33
Yearly electricity production (kWh/yr)	337,635.90
Oil Consumption (Lit/yr)	129,517.00
Lube Oil Consumption (Lit/yr)	678.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2012
Distribution Cable size (mm ²)	25, 35, 50
CO ₂ emission (tCO ₂)	344.83

PICTURE : GOOGLE EARTH





ISLAND ELECTRICITY DATA 2015 OF :
M. DHIGGARU

Population	982
Area of Island (km ²)	0.10
Distance from Male' (km)	118.7
Distance from nearest airport (km)	90.01
Electricity Provider	FENAKA
Daily Peak Load (kW)	190
Peak load time	12:00
Installed Capacity (kW)	500
Installed Generator sets (kW)	80,160,140,120
Monthly Average Usage (kWh)	60,275.75
Yearly electricity production (kWh/yr)	723,309.00
Oil Consumption (Lit/yr)	320,796.00
Lube Oil Consumption (Lit/yr)	2,064.70
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2015
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	854.09

PICTURE : GOOGLE EARTH



Population	748
Area of Island (km ²)	0.90
Distance from Male' (km)	157.6
Distance from nearest airport (km)	70.27
Electricity Provider	FENAKA
Daily Peak Load (kW)	158
Peak load time	12:00
Installed Capacity (kW)	720
Installed Generator sets (kW)	280,280,160
Monthly Average Usage (kWh)	62,987.67
Yearly electricity production (kWh/yr)	755,852.00
Oil Consumption (Lit/yr)	278,348.00
Lube Oil Consumption (Lit/yr)	592.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	741.07

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
M. MADUVVARI

Population	369
Area of Island (km ²)	0.10
Distance from Male' (km)	118.7
Distance from nearest airport (km)	91
Electricity Provider	FENAKA
Daily Peak Load (kW)	74
Peak load time	19:00
Installed Capacity (kW)	168
Installed Generator sets (kW)	40,48,80
Monthly Average Usage (kWh)	25,701.92
Yearly electricity production (kWh/yr)	308,423.00
Oil Consumption (Lit/yr)	113,080.25
Lube Oil Consumption (Lit/yr)	942.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	301.06

PICTURE : GOOGLE EARTH



Population	1264
Area of Island (km ²)	0.70
Distance from Male' (km)	137.2
Distance from nearest airport (km)	95.15
Electricity Provider	FENAKA
Daily Peak Load (kW)	192
Peak load time	12:00
Installed Capacity (kW)	475
Installed Generator sets (kW)	250,225
Monthly Average Usage (kWh)	86,634.67
Yearly electricity production (kWh/yr)	1,039,616.00
Oil Consumption (Lit/yr)	364,898.00
Lube Oil Consumption (Lit/yr)	1,096.20
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2009
Distribution Cable size (mm ²)	50, 70, 90, 150
CO ₂ emission (tCO ₂)	971.50

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
M. MULI

Population	862
Area of Island (km ²)	0.40
Distance from Male' (km)	140.9
Distance from nearest airport (km)	92.79
Electricity Provider	FENAKA
Daily Peak Load (kW)	263
Peak load time	13:00
Installed Capacity (kW)	660
Installed Generator sets (kW)	250,250,160
Monthly Average Usage (kWh)	93,882.92
Yearly electricity production (kWh/yr)	1,126,595.00
Oil Consumption (Lit/yr)	413,410.82
Lube Oil Consumption (Lit/yr)	1,770.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2008
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	1,100.66

PICTURE : GOOGLE EARTH



Population	426
Area of Island (km ²)	0.10
Distance from Male' (km)	144.6
Distance from nearest airport (km)	89.99
Electricity Provider	FENAKA
Daily Peak Load (kW)	59
Peak load time	20:00
Installed Capacity (kW)	770
Installed Generator sets (kW)	200,160,160,250
Monthly Average Usage (kWh)	23,644.58
Yearly electricity production (kWh/yr)	283,735.00
Oil Consumption (Lit/yr)	123,143.00
Lube Oil Consumption (Lit/yr)	441.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	327.86

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
M. RAIMANDHOO

Population	113
Area of Island (km ²)	0.30
Distance from Male' (km)	121.1
Distance from nearest airport (km)	98.27
Electricity Provider	FENAKA
Daily Peak Load (kW)	50
Peak load time	19:12
Installed Capacity (kW)	80
Installed Generator sets (kW)	48,32
Monthly Average Usage (kWh)	11,245.00
Yearly electricity production (kWh/yr)	134,940.00
Oil Consumption (Lit/yr)	67,269.00
Lube Oil Consumption (Lit/yr)	535.20
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	179.10

PICTURE : GOOGLE EARTH



Population	254
Area of Island (km ²)	0.40
Distance from Male' (km)	137.4
Distance from nearest airport (km)	97.32
Electricity Provider	FENAKA
Daily Peak Load (kW)	65
Peak load time	11:30
Installed Capacity (kW)	138
Installed Generator sets (kW)	58,80
Monthly Average Usage (kWh)	16,016.25
Yearly electricity production (kWh/yr)	192,195.00
Oil Consumption (Lit/yr)	81,974.00
Lube Oil Consumption (Lit/yr)	619.50
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	218.25

PICTURE : GOOGLE EARTH





GDH. VAADHOO
PHOTO: MINISTRY OF ENVIRONMENT AND ENERGY



ISLAND ELECTRICITY DATA 2015 OF :
F. BILEDHHDHOO

Population	767
Area of Island (km ²)	0.30
Distance from Male' (km)	132.4
Distance from nearest airport (km)	42.61
Electricity Provider	FENAKA
Daily Peak Load (kW)	149
Peak load time	12:30
Installed Capacity (kW)	460
Installed Generator sets (kW)	80,60,160,160
Monthly Average Usage (kWh)	57,071.17
Yearly electricity production (kWh/yr)	684,854.00
Oil Consumption (Lit/yr)	247,738.00
Lube Oil Consumption (Lit/yr)	964.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1997
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	659.58

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
F. DHARAN' BOODHOO

F

Population	403
Area of Island (km ²)	0.40
Distance from Male' (km)	140
Distance from nearest airport (km)	46.56
Electricity Provider	FENAKA
Daily Peak Load (kW)	63
Peak load time	14:00
Installed Capacity (kW)	175
Installed Generator sets (kW)	31,80,64
Monthly Average Usage (kWh)	22,304.08
Yearly electricity production (kWh/yr)	267,649.00
Oil Consumption (Lit/yr)	102,197.00
Lube Oil Consumption (Lit/yr)	293.41
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1984
Distribution Cable size (mm ²)	12, 16
CO ₂ emission (tCO ₂)	272.09

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
F. FEEALI

Population	864
Area of Island (km ²)	0.10
Distance from Male' (km)	116.1
Distance from nearest airport (km)	29.05
Electricity Provider	FENAKA
Daily Peak Load (kW)	155
Peak load time	12:30
Installed Capacity (kW)	588
Installed Generator sets (kW)	160,128,300
Monthly Average Usage (kWh)	61,059.92
Yearly electricity production (kWh/yr)	732,719.00
Oil Consumption (Lit/yr)	271,545.00
Lube Oil Consumption (Lit/yr)	709.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1999
Distribution Cable size (mm ²)	6, 16, 25, 35
CO ₂ emission (tCO ₂)	722.96

PICTURE : GOOGLE EARTH



Population	562
Area of Island (km ²)	0.20
Distance from Male' (km)	136.7
Distance from nearest airport (km)	45.98
Electricity Provider	FENAKA
Daily Peak Load (kW)	133
Peak load time	12:30
Installed Capacity (kW)	424
Installed Generator sets (kW)	84,160,180
Monthly Average Usage (kWh)	43,816.67
Yearly electricity production (kWh/yr)	525,800.00
Oil Consumption (Lit/yr)	200,715.00
Lube Oil Consumption (Lit/yr)	978.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2006
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	534.38

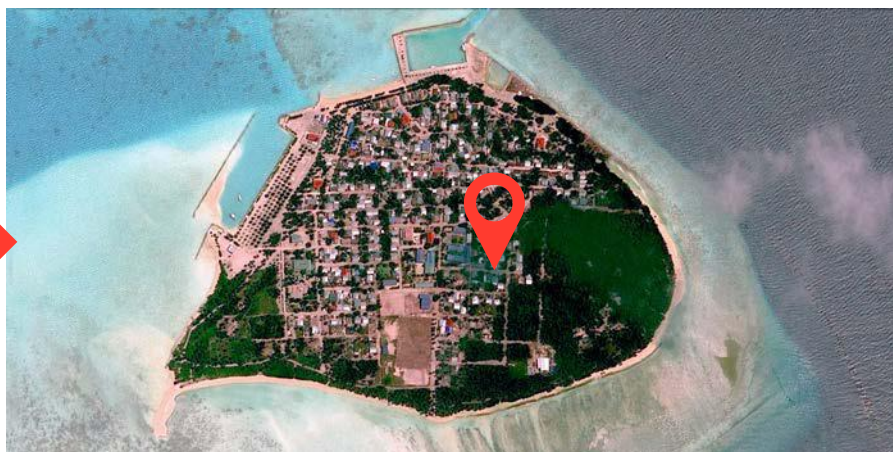
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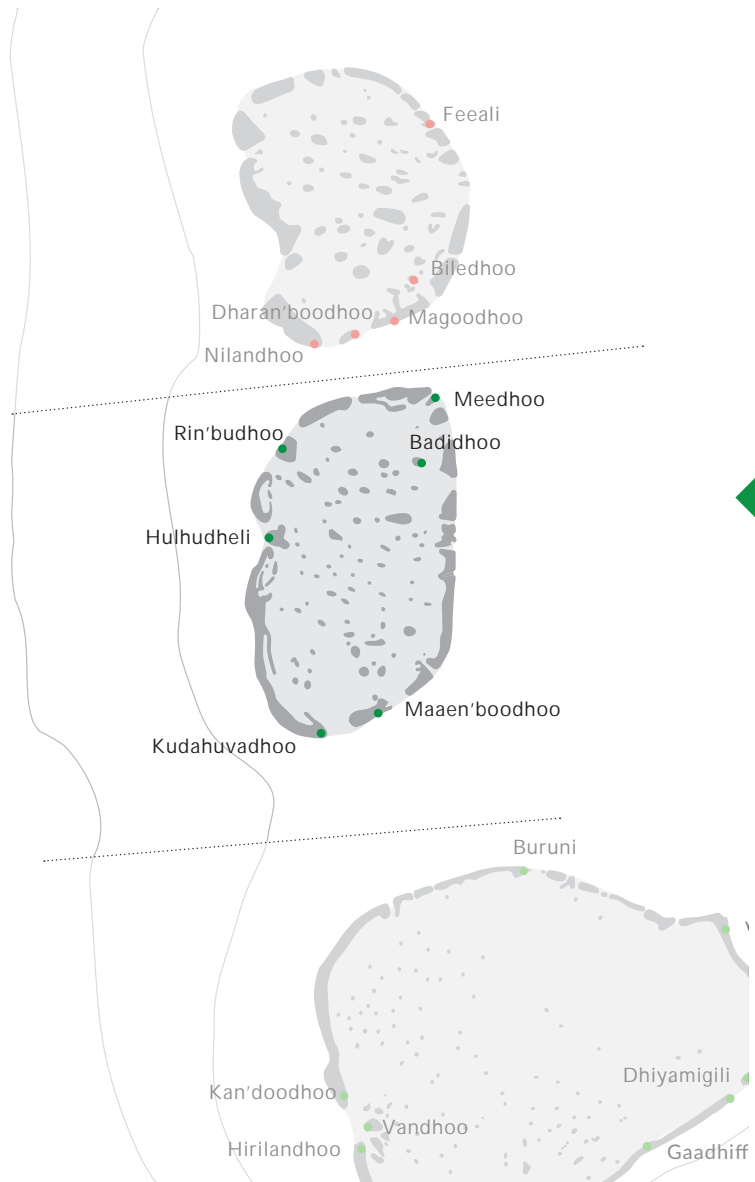


ISLAND ELECTRICITY DATA 2015 OF :
F. NILANDHOO

Population	1658
Area of Island (km ²)	0.60
Distance from Male' (km)	144.3
Distance from nearest airport (km)	46.58
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	300
Peak load time	10:45
Installed Capacity (kW)	1313
Installed Generator sets (kW)	500,500,313
Monthly Average Usage (kWh)	109,973.00
Yearly electricity production (kWh/yr)	1,319,676.00
Oil Consumption (Lit/yr)	615,075.00
Lube Oil Consumption (Lit/yr)	1,829.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2006
Distribution Cable size (mm ²)	95
CO ₂ emission (tCO ₂)	1,637.58

PICTURE : GOOGLE EARTH

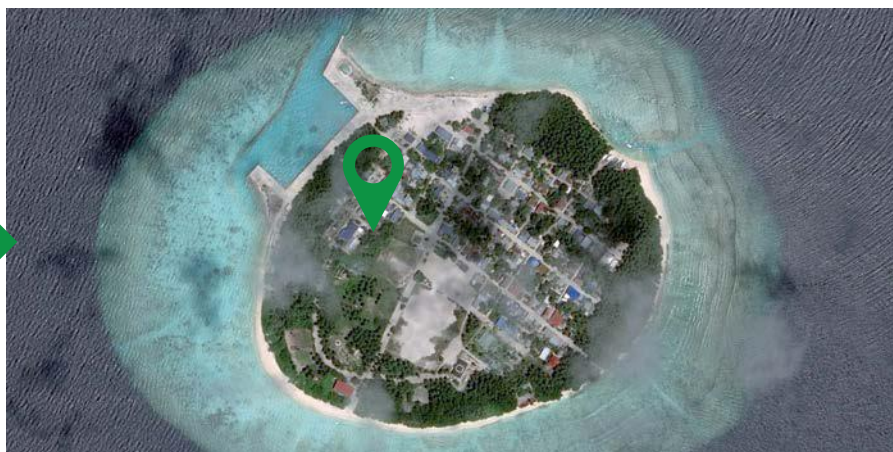




ISLAND ELECTRICITY DATA 2015 OF :
DH. BADIDHOO

Population	813
Area of Island (km ²)	0.20
Distance from Male' (km)	150.9
Distance from nearest airport (km)	61.82
Electricity Provider	FENAKA
Daily Peak Load (kW)	119
Peak load time	12:30
Installed Capacity (kW)	524
Installed Generator sets (kW)	160,160,204
Monthly Average Usage (kWh)	44,456.50
Yearly electricity production (kWh/yr)	533,478.00
Oil Consumption (Lit/yr)	196,760.00
Lube Oil Consumption (Lit/yr)	914.50
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2009
Distribution Cable size (mm ²)	25, 35, 50, 70
CO ₂ emission (tCO ₂)	523.85

PICTURE : GOOGLE EARTH



Population	719
Area of Island (km ²)	0.20
Distance from Male' (km)	163.9
Distance from nearest airport (km)	68.32
Electricity Provider	FENAKA
Daily Peak Load (kW)	136
Peak load time	12:00
Installed Capacity (kW)	400
Installed Generator sets (kW)	128,144,128
Monthly Average Usage (kWh)	48,994.83
Yearly electricity production (kWh/yr)	587,938.00
Oil Consumption (Lit/yr)	237,167.00
Lube Oil Consumption (Lit/yr)	919.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	25, 50
CO ₂ emission (tCO ₂)	631.43

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
DH. KUDAHUVADHOO

Population	2443
Area of Island (km²)	0.80
Distance from Male' (km)	181.9
Distance from nearest airport (km)	58.48
Electricity Provider	FENAKA
Daily Peak Load (kW)	633
Peak load time	12:30
Installed Capacity (kW)	1688
Installed Generator sets (kW)	648,600,440
Monthly Average Usage (kWh)	249,287.58
Yearly electricity production (kWh/yr)	2,991,451.00
Oil Consumption (Lit/yr)	825,169.00
Lube Oil Consumption (Lit/yr)	3,906.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2002
Distribution Cable size (mm²)	30, 50, 70, 75, 90
CO ₂ emission (tCO ₂)	2,196.93

PICTURE : GOOGLE EARTH



Population	622
Area of Island (km ²)	0.20
Distance from Male' (km)	175.8
Distance from nearest airport (km)	57.71
Electricity Provider	FENAKA
Daily Peak Load (kW)	166
Peak load time	11:30
Installed Capacity (kW)	494
Installed Generator sets (kW)	198,84,80,132
Monthly Average Usage (kWh)	42,611.99
Yearly electricity production (kWh/yr)	511,343.92
Oil Consumption (Lit/yr)	213,287.00
Lube Oil Consumption (Lit/yr)	1,659.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2008
Distribution Cable size (mm ²)	25, 30, 50, 70, 75
CO ₂ emission (tCO ₂)	567.86

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
DH. MEEDHOO

Population	958
Area of Island (km²)	0.10
Distance from Male' (km)	142.8
Distance from nearest airport (km)	56.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	255
Peak load time	12:00
Installed Capacity (kW)	785
Installed Generator sets (kW)	125,150,360,150
Monthly Average Usage (kWh)	97,834.25
Yearly electricity production (kWh/yr)	1,174,011.00
Oil Consumption (Lit/yr)	367,562.00
Lube Oil Consumption (Lit/yr)	1,239.75
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2005
Distribution Cable size (mm²)	30, 50
CO ₂ emission (tCO ₂)	978.60

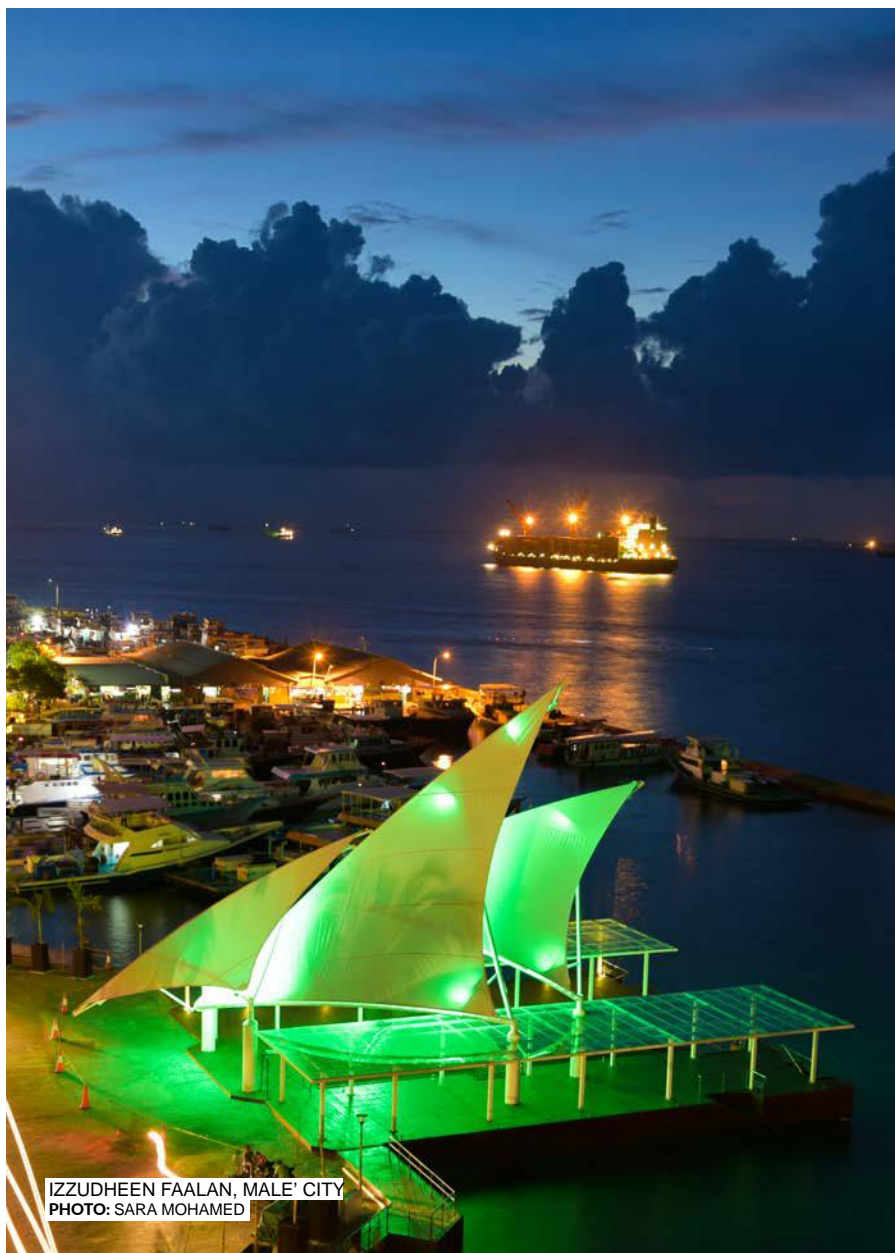
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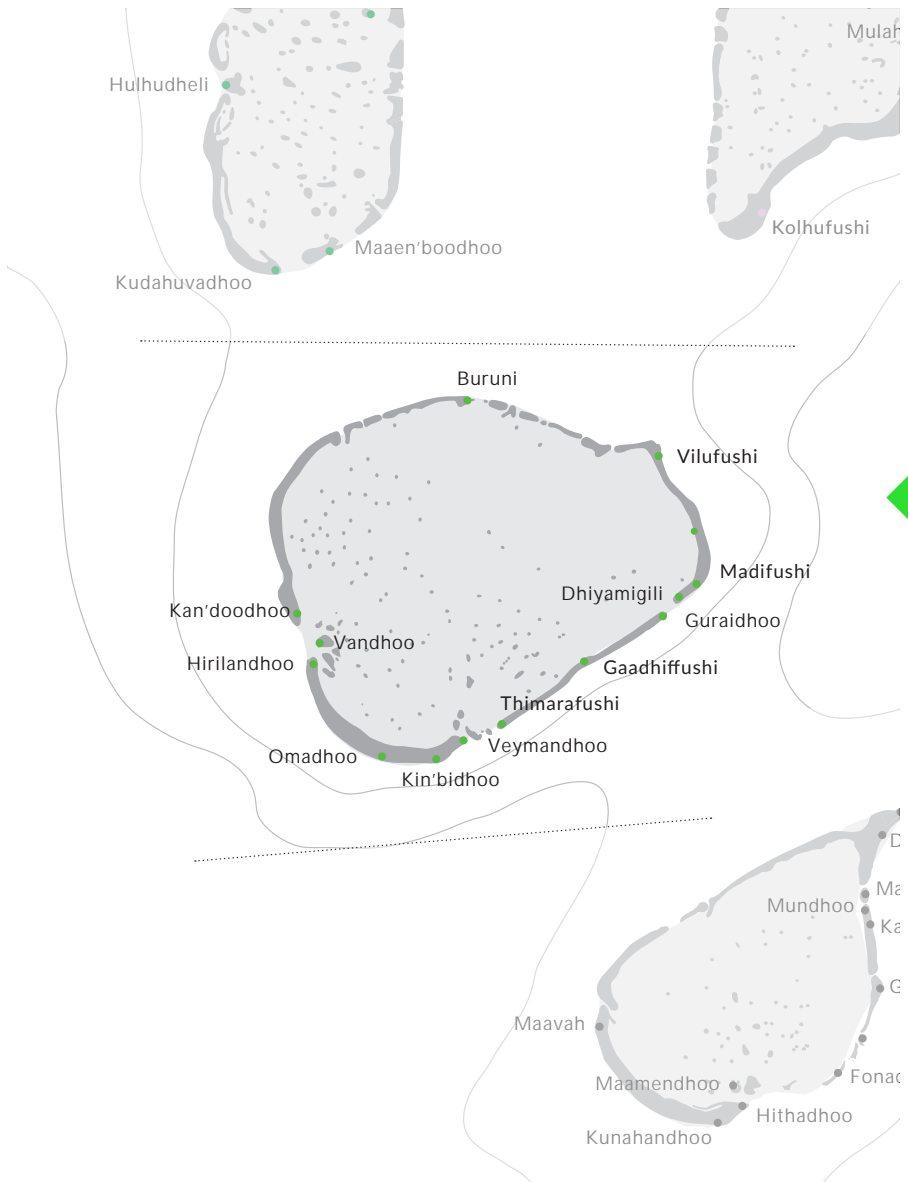
Population	278
Area of Island (km ²)	0.20
Distance from Male' (km)	154.8
Distance from nearest airport (km)	61.32
Electricity Provider	FENAKA
Daily Peak Load (kW)	57
Peak load time	12:00
Installed Capacity (kW)	128
Installed Generator sets (kW)	48,40,40
Monthly Average Usage (kWh)	20,509.58
Yearly electricity production (kWh/yr)	246,115.00
Oil Consumption (Lit/yr)	102,660.00
Lube Oil Consumption (Lit/yr)	572.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm ²)	25, 30
CO ₂ emission (tCO ₂)	273.32

PICTURE : GOOGLE EARTH





IZZUDHEEN FAALAN, MALE' CITY
PHOTO: SARA MOHAMED



ISLAND ELECTRICITY DATA 2015 OF :
TH. BURUNI

Population	339
Area of Island (km ²)	0.40
Distance from Male' (km)	185.6
Distance from nearest airport (km)	38.97
Electricity Provider	FENAKA
Daily Peak Load (kW)	83
Peak load time	12:00
Installed Capacity (kW)	296
Installed Generator sets (kW)	80,108,108
Monthly Average Usage (kWh)	28,621.08
Yearly electricity production (kWh/yr)	343,453.00
Oil Consumption (Lit/yr)	153,676.00
Lube Oil Consumption (Lit/yr)	864.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16, 70
CO ₂ emission (tCO ₂)	409.15

PICTURE : GOOGLE EARTH



Population	562
Area of Island (km ²)	0.30
Distance from Male' (km)	206.5
Distance from nearest airport (km)	26.02
Electricity Provider	FENAKA
Daily Peak Load (kW)	80-100
Peak load time	9:00
Installed Capacity (kW)	290
Installed Generator sets (kW)	150,140
Monthly Average Usage (kWh)	32,161.99
Yearly electricity production (kWh/yr)	385,943.86
Oil Consumption (Lit/yr)	166,982
Lube Oil Consumption (Lit/yr)	658
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	NA
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	444.57

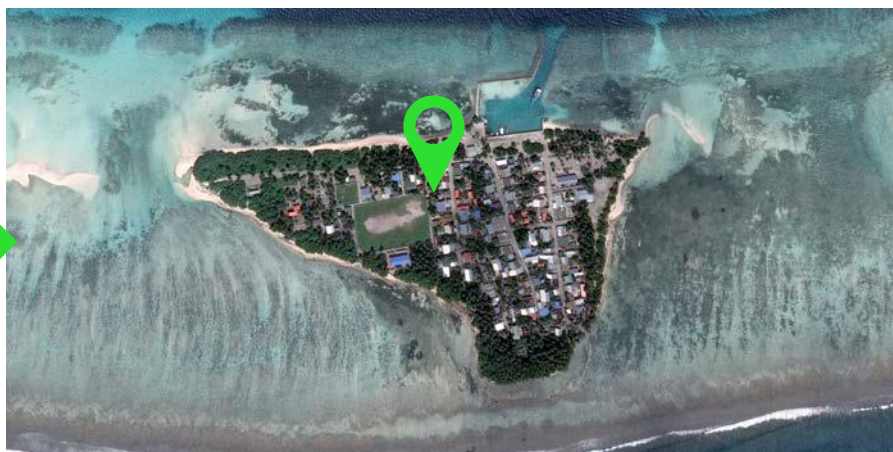
PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
TH. GAADHIFUSHI

Population	270
Area of Island (km ²)	0.10
Distance from Male' (km)	217.4
Distance from nearest airport (km)	9.31
Electricity Provider	FENAKA
Daily Peak Load (kW)	51
Peak load time	12:00
Installed Capacity (kW)	290
Installed Generator sets (kW)	70,140,80
Monthly Average Usage (kWh)	16,536.08
Yearly electricity production (kWh/yr)	198,433.00
Oil Consumption (Lit/yr)	97,302.00
Lube Oil Consumption (Lit/yr)	605.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	259.06

PICTURE : GOOGLE EARTH



Population	1317
Area of Island (km ²)	0.30
Distance from Male' (km)	208.5
Distance from nearest airport (km)	23.41
Electricity Provider	FENAKA
Daily Peak Load (kW)	439
Peak load time	13:30
Installed Capacity (kW)	1040
Installed Generator sets (kW)	360,400,280
Monthly Average Usage (kWh)	113,814.85
Yearly electricity production (kWh/yr)	1,365,778.22
Oil Consumption (Lit/yr)	494,159.00
Lube Oil Consumption (Lit/yr)	1,744.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto/Manual
Electricity cable installed year	2002
Distribution Cable size (mm ²)	35, 50, 70, 95, 120
CO ₂ emission (tCO ₂)	1,315.65

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
TH. HIRILANDHOO

Population	1033
Area of Island (km ²)	0.30
Distance from Male' (km)	222.6
Distance from nearest airport (km)	24.39
Electricity Provider	FENAKA
Daily Peak Load (kW)	184
Peak load time	12:00
Installed Capacity (kW)	700
Installed Generator sets (kW)	200,250,250
Monthly Average Usage (kWh)	74,033.50
Yearly electricity production (kWh/yr)	888,402.00
Oil Consumption (Lit/yr)	332,684.00
Lube Oil Consumption (Lit/yr)	1,238.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2009
Distribution Cable size (mm ²)	25, 35, 50, 70
CO ₂ emission (tCO ₂)	885.74

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
TH. KAN'DOODHOO

TH

Population	430
Area of Island (km ²)	0.80
Distance from Male' (km)	217.8
Distance from nearest airport (km)	28.07
Electricity Provider	FENAKA
Daily Peak Load (kW)	80
Peak load time	12:00
Installed Capacity (kW)	380
Installed Generator sets (kW)	160,220
Monthly Average Usage (kWh)	27,791.75
Yearly electricity production (kWh/yr)	333,501.00
Oil Consumption (Lit/yr)	138,957.00
Lube Oil Consumption (Lit/yr)	910.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2010
Distribution Cable size (mm ²)	16, 25
CO ₂ emission (tCO ₂)	369.96

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
TH. KIN'BIDHOO

Population	783
Area of Island (km ²)	0.30
Distance from Male' (km)	229.6
Distance from nearest airport (km)	9.3
Electricity Provider	FENAKA
Daily Peak Load (kW)	127
Peak load time	12:00
Installed Capacity (kW)	300
Installed Generator sets (kW)	100,200
Monthly Average Usage (kWh)	47,049.58
Yearly electricity production (kWh/yr)	564,595.00
Oil Consumption (Lit/yr)	208,522.10
Lube Oil Consumption (Lit/yr)	946.88
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1980
Distribution Cable size (mm ²)	35, 50, 70, 95, 120
CO ₂ emission (tCO ₂)	555.17

PICTURE : GOOGLE EARTH



Population	821
Area of Island (km ²)	0.20
Distance from Male' (km)	202.8
Distance from nearest airport (km)	28.73
Electricity Provider	FENAKA
Daily Peak Load (kW)	90
Peak load time	12:00
Installed Capacity (kW)	614
Installed Generator sets (kW)	160,204,250
Monthly Average Usage (kWh)	52,303.17
Yearly electricity production (kWh/yr)	627,638.00
Oil Consumption (Lit/yr)	243,826.00
Lube Oil Consumption (Lit/yr)	1,084.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	35, 70
CO ₂ emission (tCO ₂)	649.16

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
TH. OMADHOO

Population	455
Area of Island (km ²)	0.40
Distance from Male' (km)	230.9
Distance from nearest airport (km)	13.65
Electricity Provider	FENAKA
Daily Peak Load (kW)	93
Peak load time	20:00
Installed Capacity (kW)	286
Installed Generator sets (kW)	126,160
Monthly Average Usage (kWh)	31,168.50
Yearly electricity production (kWh/yr)	374,022.00
Oil Consumption (Lit/yr)	146,605.00
Lube Oil Consumption (Lit/yr)	491.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1991
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	390.32

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
TH. THIMARAFUSHI

TH

Population	1167
Area of Island (km ²)	0.20
Distance from Male' (km)	224.1
Distance from nearest airport (km)	0
Electricity Provider	FENAKA
Daily Peak Load (kW)	286
Peak load time	19:30
Installed Capacity (kW)	1010
Installed Generator sets (kW)	250,160,600
Monthly Average Usage (kWh)	100,958.00
Yearly electricity production (kWh/yr)	1,211,496.00
Oil Consumption (Lit/yr)	555,087.00
Lube Oil Consumption (Lit/yr)	2,557.80
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	1,477.86

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
TH. VANDHOO

Population	290
Area of Island (km ²)	0.30
Distance from Male' (km)	218.5
Distance from nearest airport (km)	24.11
Electricity Provider	FENAKA
Daily Peak Load (kW)	51
Peak load time	20:00
Installed Capacity (kW)	240
Installed Generator sets (kW)	80,160
Monthly Average Usage (kWh)	18,605.42
Yearly electricity production (kWh/yr)	223,265.00
Oil Consumption (Lit/yr)	104,096.89
Lube Oil Consumption (Lit/yr)	918.70
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	6, 16, 35
CO ₂ emission (tCO ₂)	277.15

PICTURE : GOOGLE EARTH



Population	1119
Area of Island (km ²)	0.40
Distance from Male' (km)	227.1
Distance from nearest airport (km)	6
Electricity Provider	FENAKA
Daily Peak Load (kW)	267
Peak load time	11:00
Installed Capacity (kW)	770
Installed Generator sets (kW)	220,250,300
Monthly Average Usage (kWh)	99,678.00
Yearly electricity production (kWh/yr)	1,196,136.00
Oil Consumption (Lit/yr)	442,548.00
Lube Oil Consumption (Lit/yr)	1,278.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2002
Distribution Cable size (mm ²)	25, 30, 50, 70
CO ₂ emission (tCO ₂)	1,178.24

PICTURE : GOOGLE EARTH

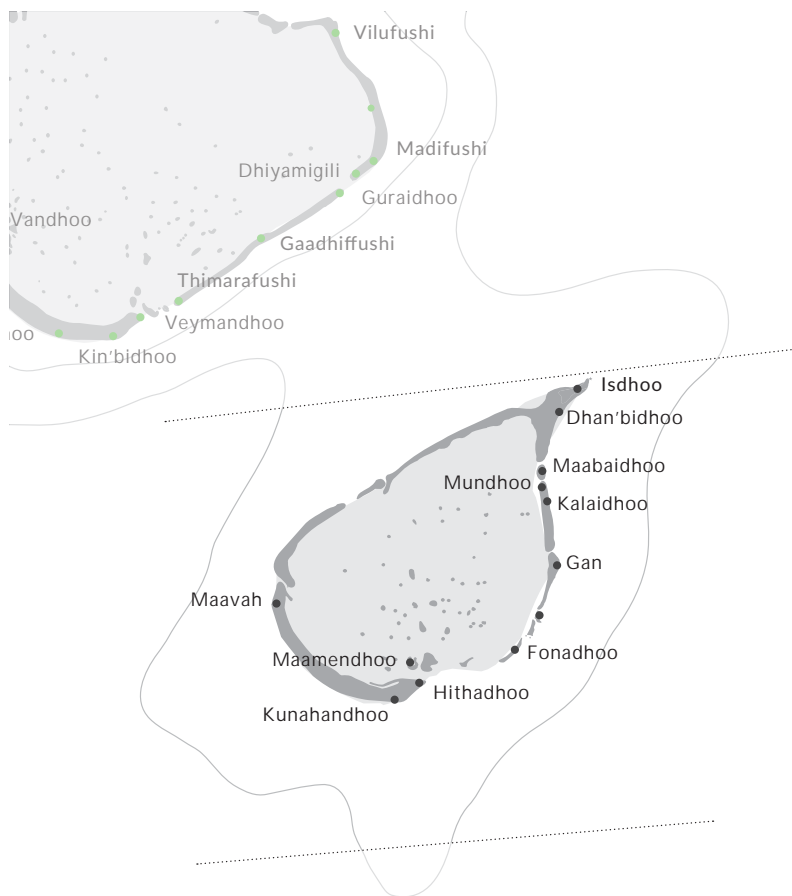


ISLAND ELECTRICITY DATA 2015 OF :
TH. VILUFUSHI

Population	1097
Area of Island (km²)	0.60
Distance from Male' (km)	188.3
Distance from nearest airport (km)	37.47
Electricity Provider	FENAKA
Daily Peak Load (kW)	235
Peak load time	12:00
Installed Capacity (kW)	770
Installed Generator sets (kW)	200,160,160,250
Monthly Average Usage (kWh)	88,544.75
Yearly electricity production (kWh/yr)	1,062,537.00
Oil Consumption (Lit/yr)	418,808.00
Lube Oil Consumption (Lit/yr)	1,586.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm²)	35
CO ₂ emission (tCO ₂)	1,115.03

PICTURE : GOOGLE EARTH

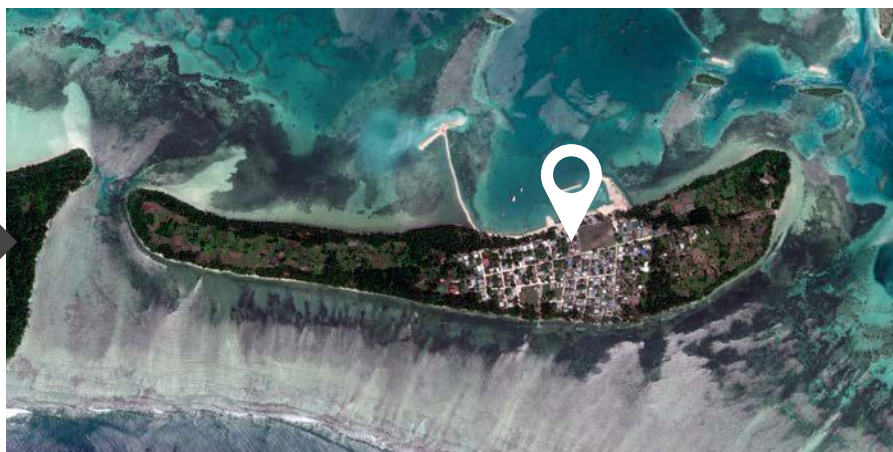




ISLAND ELECTRICITY DATA 2015 OF :
L. DHAN'BIDHOO

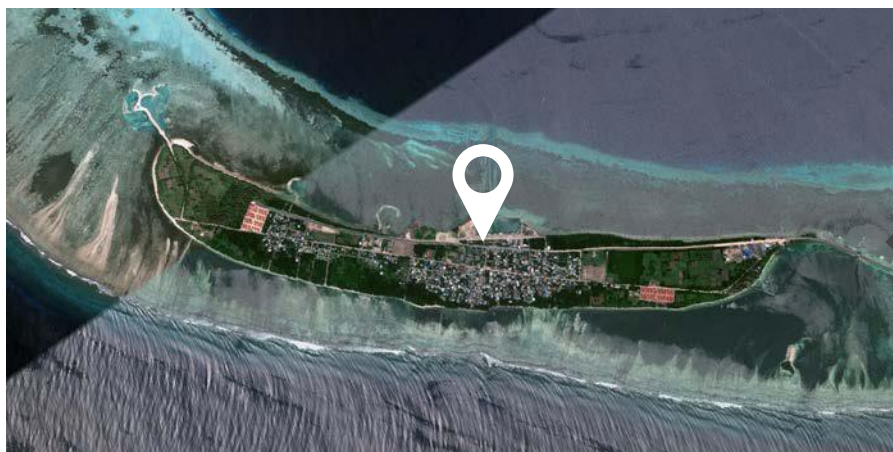
Population	569
Area of Island (km ²)	0.60
Distance from Male' (km)	231.5
Distance from nearest airport (km)	26.54
Electricity Provider	FENAKA
Daily Peak Load (kW)	41
Peak load time	7:00
Installed Capacity (kW)	185
Installed Generator sets (kW)	75,110
Monthly Average Usage (kWh)	39,418.58
Yearly electricity production (kWh/yr)	473,023.00
Oil Consumption (Lit/yr)	180,510.00
Lube Oil Consumption (Lit/yr)	294.60
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2008
Distribution Cable size (mm ²)	25, 30, 50, 70
CO ₂ emission (tCO ₂)	480.59

PICTURE : GOOGLE EARTH



Population	2203
Area of Island (km ²)	1.60
Distance from Male' (km)	261.1
Distance from nearest airport (km)	3.16
Electricity Provider	FENAKA
Daily Peak Load (kW)	660
Peak load time	14:00
Installed Capacity (kW)	1310
Installed Generator sets (kW)	600,350,360
Monthly Average Usage (kWh)	217,973.75
Yearly electricity production (kWh/yr)	2,615,685.00
Oil Consumption (Lit/yr)	878,205.00
Lube Oil Consumption (Lit/yr)	3,830.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2007
Distribution Cable size (mm ²)	70, 95, 120, 150
CO ₂ emission (tCO ₂)	2,338.13

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :

L. GAN

Population	3543
Area of Island (km ²)	6.2
Distance from Male' (km)	251.9
Distance from nearest airport (km)	8.86
Electricity Provider	FENAKA
Daily Peak Load (kW)	924
Peak load time	#N/A
Installed Capacity (kW)	3460
Installed Generator sets (kW)	800, 800, 500, 350, 280, 280, 250, 200
Monthly Average Usage (kWh)	246,522.08
Yearly electricity production (kWh/yr)	2958265
Oil Consumption (Lit/yr)	1044528.95
Lube Oil Consumption (Lit/yr)	5787.3
Synchronizing Panel	Yes, No
Type of Synchronizing Panel	Auto , Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95, 120
CO ₂ emission (tCO ₂)	2780.95

PICTURE : GOOGLE EARTH



Population	1011
Area of Island (km ²)	1.10
Distance from Male' (km)	265.2
Distance from nearest airport (km)	15.64
Electricity Provider	FENAKA
Daily Peak Load (kW)	112
Peak load time	20:00
Installed Capacity (kW)	180
Installed Generator sets (kW)	180
Monthly Average Usage (kWh)	52,392.25
Yearly electricity production (kWh/yr)	628,707.00
Oil Consumption (Lit/yr)	241,845.00
Lube Oil Consumption (Lit/yr)	475.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2008
Distribution Cable size (mm ²)	25, 70
CO ₂ emission (tCO ₂)	643.89

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :

L. ISDHOO

Population	944
Area of Island (km ²)	3.60
Distance from Male' (km)	229.6
Distance from nearest airport (km)	30.64
Electricity Provider	FENAKA
Daily Peak Load (kW)	155
Peak load time	21:00
Installed Capacity (kW)	570
Installed Generator sets (kW)	160,250,160
Monthly Average Usage (kWh)	56,686.75
Yearly electricity production (kWh/yr)	680,241.00
Oil Consumption (Lit/yr)	263,440.00
Lube Oil Consumption (Lit/yr)	519.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25, 35, 45, 50, 70
CO ₂ emission (tCO ₂)	701.38

PICTURE : GOOGLE EARTH



Population	467
Area of Island (km ²)	3.60
Distance from Male' (km)	229.6
Distance from nearest airport (km)	28.26
Electricity Provider	FENAKA
Daily Peak Load (kW)	165
Peak load time	17:30
Installed Capacity (kW)	240
Installed Generator sets (kW)	80,160
Monthly Average Usage (kWh)	36,116.50
Yearly electricity production (kWh/yr)	433,398.00
Oil Consumption (Lit/yr)	161,035.00
Lube Oil Consumption (Lit/yr)	454.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16, 25, 30, 50
CO ₂ emission (tCO ₂)	428.74

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
L. KUNAHANDHOO

Population	657
Area of Island (km ²)	0.90
Distance from Male' (km)	267.2
Distance from nearest airport (km)	18.38
Electricity Provider	FENAKA
Daily Peak Load (kW)	95
Peak load time	8:00
Installed Capacity (kW)	770
Installed Generator sets (kW)	200,160,160,250
Monthly Average Usage (kWh)	36,095.42
Yearly electricity production (kWh/yr)	433,145.00
Oil Consumption (Lit/yr)	146,668.25
Lube Oil Consumption (Lit/yr)	500.50
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25, 35, 45, 55, 75
CO ₂ emission (tCO ₂)	390.49

PICTURE : GOOGLE EARTH



Population	650
Area of Island (km ²)	0.50
Distance from Male' (km)	238.9
Distance from nearest airport (km)	18.57
Electricity Provider	FENAKA
Daily Peak Load (kW)	130
Peak load time	12:00
Installed Capacity (kW)	516
Installed Generator sets (kW)	150,286,80
Monthly Average Usage (kWh)	49,804.08
Yearly electricity production (kWh/yr)	597,649.00
Oil Consumption (Lit/yr)	231,674.00
Lube Oil Consumption (Lit/yr)	613.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	616.81

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
L. MAAMENDHOO

Population	898
Area of Island (km ²)	0.20
Distance from Male' (km)	263.4
Distance from nearest airport (km)	14.97
Electricity Provider	FENAKA
Daily Peak Load (kW)	150
Peak load time	13:00
Installed Capacity (kW)	500
Installed Generator sets (kW)	180,160,160
Monthly Average Usage (kWh)	64,272.83
Yearly electricity production (kWh/yr)	771,274.00
Oil Consumption (Lit/yr)	305,862.00
Lube Oil Consumption (Lit/yr)	640.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1993
Distribution Cable size (mm ²)	16, 25, 35, 50, 70
CO ₂ emission (tCO ₂)	814.33

PICTURE : GOOGLE EARTH



Population	1270
Area of Island (km ²)	0.40
Distance from Male' (km)	257.4
Distance from nearest airport (km)	30.35
Electricity Provider	FENAKA
Daily Peak Load (kW)	27
Peak load time	12:00
Installed Capacity (kW)	568
Installed Generator sets (kW)	166,96,56,250
Monthly Average Usage (kWh)	110,129.92
Yearly electricity production (kWh/yr)	1,321,559.00
Oil Consumption (Lit/yr)	403,569.00
Lube Oil Consumption (Lit/yr)	39,985.40
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	1,074.46

PICTURE : GOOGLE EARTH

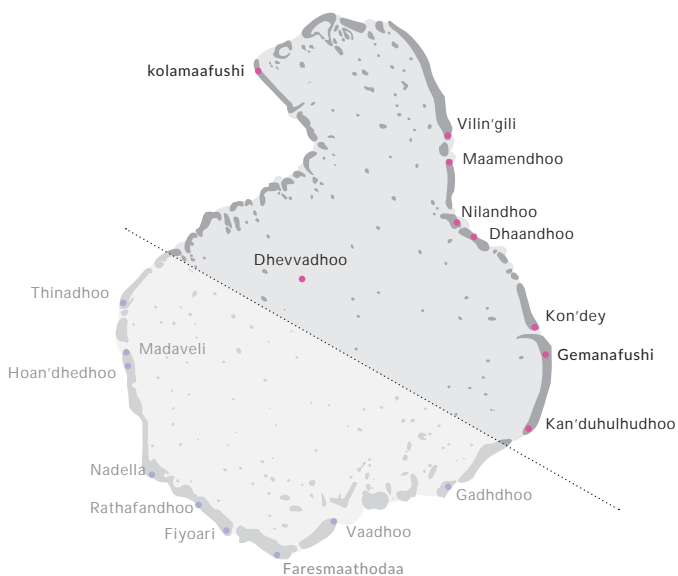


ISLAND ELECTRICITY DATA 2015 OF :
L. MUNDOO

Population	236
Area of Island (km ²)	0.30
Distance from Male' (km)	240.8
Distance from nearest airport (km)	17.39
Electricity Provider	FENAKA
Daily Peak Load (kW)	28
Peak load time	18:00
Installed Capacity (kW)	134
Installed Generator sets (kW)	68,40,26
Monthly Average Usage (kWh)	14,728.74
Yearly electricity production (kWh/yr)	176,744.92
Oil Consumption (Lit/yr)	54,396.00
Lube Oil Consumption (Lit/yr)	670.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25, 35, 50
CO ₂ emission (tCO ₂)	144.82

PICTURE : GOOGLE EARTH





ISLAND ELECTRICITY DATA 2015 OF :
GA. DHAANDHOO

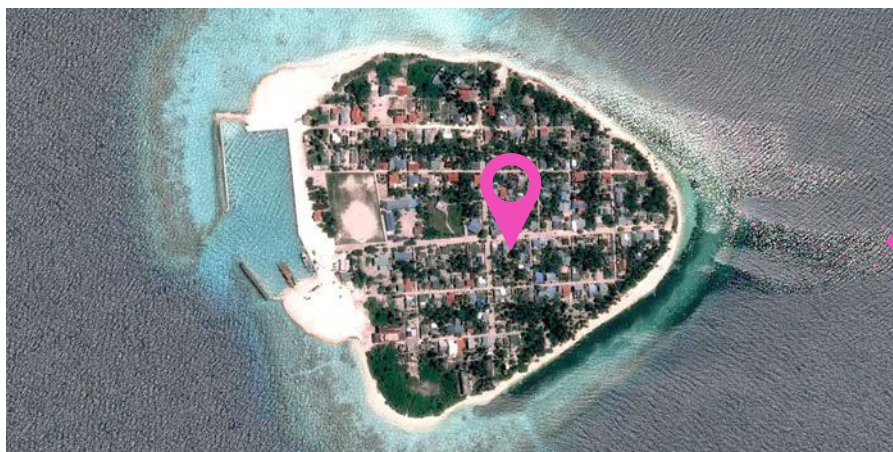
Population	1106
Area of Island (km ²)	0.20
Distance from Male' (km)	396.3
Distance from nearest airport (km)	13.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	282
Peak load time	12:00
Installed Capacity (kW)	469
Installed Generator sets (kW)	58,311,100
Monthly Average Usage (kWh)	80,536.75
Yearly electricity production (kWh/yr)	966,441.00
Oil Consumption (Lit/yr)	360,015.00
Lube Oil Consumption (Lit/yr)	1,310.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25, 35, 50
CO ₂ emission (tCO ₂)	958.50

PICTURE : GOOGLE EARTH



Population	597
Area of Island (km ²)	0.20
Distance from Male' (km)	403
Distance from nearest airport (km)	29.16
Electricity Provider	FENAKA
Daily Peak Load (kW)	121
Peak load time	12:00
Installed Capacity (kW)	352
Installed Generator sets (kW)	160,112,80
Monthly Average Usage (kWh)	38,624.42
Yearly electricity production (kWh/yr)	463,493.00
Oil Consumption (Lit/yr)	179,194.00
Lube Oil Consumption (Lit/yr)	1,198.50
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16, 25, 35, 70
CO ₂ emission (tCO ₂)	477.09

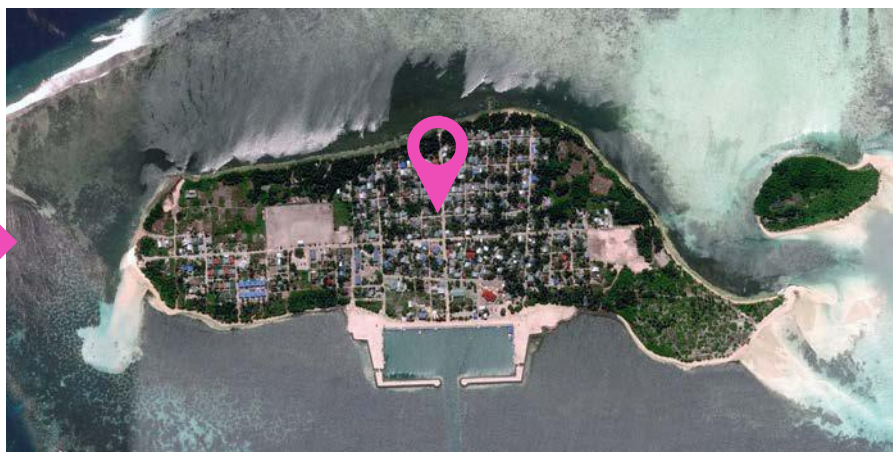
PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
GA. GEMANAFUSHI

Population	1233
Area of Island (km ²)	1.00
Distance from Male' (km)	414.8
Distance from nearest airport (km)	36
Electricity Provider	FENAKA
Daily Peak Load (kW)	203
Peak load time	13:00
Installed Capacity (kW)	610
Installed Generator sets (kW)	180,144,286
Monthly Average Usage (kWh)	82,403.92
Yearly electricity production (kWh/yr)	988,847.00
Oil Consumption (Lit/yr)	340,047.00
Lube Oil Consumption (Lit/yr)	1,489.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1999
Distribution Cable size (mm ²)	25, 35, 50, 70
CO ₂ emission (tCO ₂)	905.34

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
GA. KAN'DUHULHUDHOO

GA

Population	530
Area of Island (km ²)	0.30
Distance from Male' (km)	426
Distance from nearest airport (km)	44.39
Electricity Provider	FENAKA
Daily Peak Load (kW)	91
Peak load time	12:00
Installed Capacity (kW)	288
Installed Generator sets (kW)	80,80,128
Monthly Average Usage (kWh)	33,093.17
Yearly electricity production (kWh/yr)	397,118.00
Oil Consumption (Lit/yr)	150,965.00
Lube Oil Consumption (Lit/yr)	1,225.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	25, 35, 50, 70
CO ₂ emission (tCO ₂)	401.93

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
GA. KON'DEY

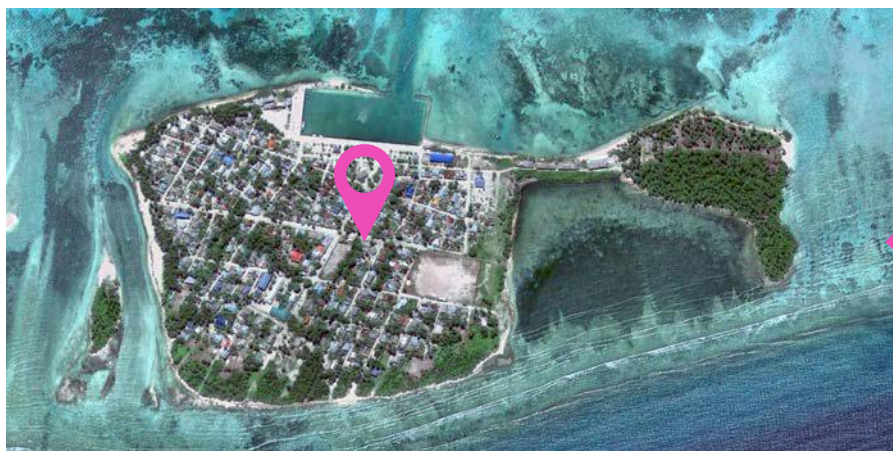
Population	220
Area of Island (km ²)	1.20
Distance from Male' (km)	409.3
Distance from nearest airport (km)	29.54
Electricity Provider	FENAKA
Daily Peak Load (kW)	60
Peak load time	12:30
Installed Capacity (kW)	204
Installed Generator sets (kW)	68,80,56
Monthly Average Usage (kWh)	20,096.67
Yearly electricity production (kWh/yr)	241,160.00
Oil Consumption (Lit/yr)	103,568.00
Lube Oil Consumption (Lit/yr)	514.50
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	275.74

PICTURE : GOOGLE EARTH



Population	979
Area of Island (km ²)	0.30
Distance from Male' (km)	374.1
Distance from nearest airport (km)	29.48
Electricity Provider	FENAKA
Daily Peak Load (kW)	176
Peak load time	12:00
Installed Capacity (kW)	675
Installed Generator sets (kW)	190,200,285
Monthly Average Usage (kWh)	74,986.58
Yearly electricity production (kWh/yr)	899,839.00
Oil Consumption (Lit/yr)	307,614.00
Lube Oil Consumption (Lit/yr)	1,352.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	818.99

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
GA. MAAMENDHOO

Population	1138
Area of Island (km ²)	0.50
Distance from Male' (km)	385.4
Distance from nearest airport (km)	2.56
Electricity Provider	FENAKA
Daily Peak Load (kW)	184
Peak load time	12:00
Installed Capacity (kW)	480
Installed Generator sets (kW)	200,160,120
Monthly Average Usage (kWh)	72,087.17
Yearly electricity production (kWh/yr)	865,046.00
Oil Consumption (Lit/yr)	306,442.00
Lube Oil Consumption (Lit/yr)	1,444.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16, 25, 35, 50
CO ₂ emission (tCO ₂)	815.87

PICTURE : GOOGLE EARTH



Population	592
Area of Island (km ²)	0.60
Distance from Male' (km)	394.5
Distance from nearest airport (km)	11.68
Electricity Provider	FENAKA
Daily Peak Load (kW)	189
Peak load time	14:00
Installed Capacity (kW)	300
Installed Generator sets (kW)	100,200
Monthly Average Usage (kWh)	40,493.08
Yearly electricity production (kWh/yr)	485,917.00
Oil Consumption (Lit/yr)	153,158.00
Lube Oil Consumption (Lit/yr)	998.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2008
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	407.77

PICTURE : GOOGLE EARTH

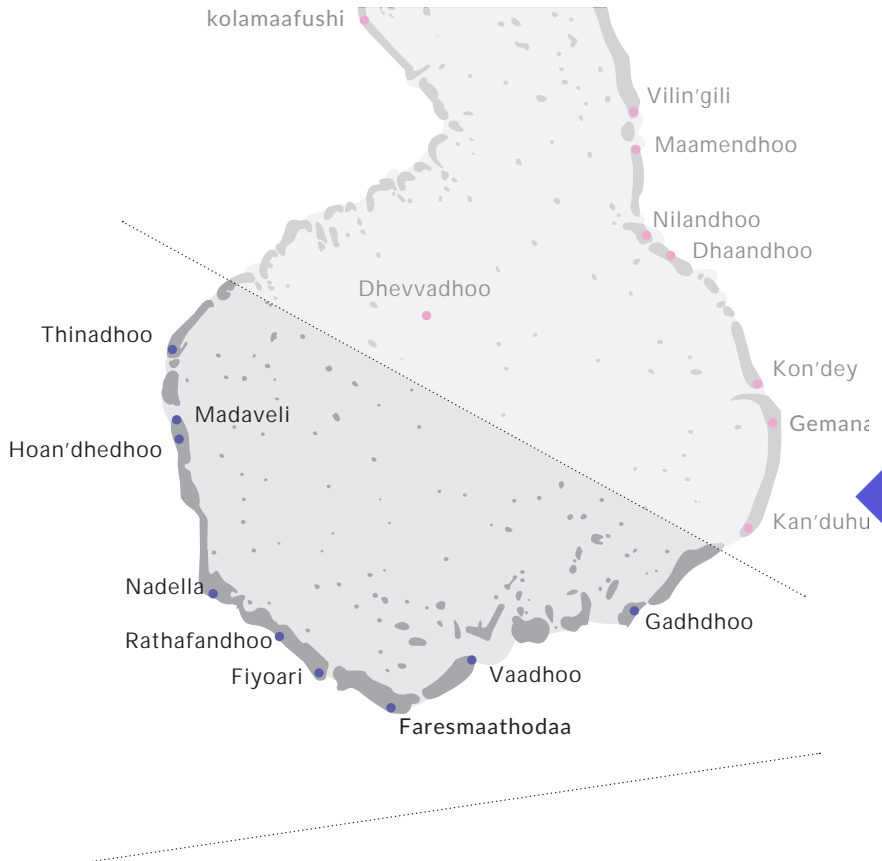


ISLAND ELECTRICITY DATA 2015 OF :
GA. VILIN'GILI

Population	2900
Area of Island (km ²)	0.60
Distance from Male' (km)	381.7
Distance from nearest airport (km)	1.54
Electricity Provider	FENAKA
Daily Peak Load (kW)	768
Peak load time	7:00
Installed Capacity (kW)	1560
Installed Generator sets (kW)	360,800,400
Monthly Average Usage (kWh)	297,634.58
Yearly electricity production (kWh/yr)	3,571,615.00
Oil Consumption (Lit/yr)	1,222,641.00
Lube Oil Consumption (Lit/yr)	5,591.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1995
Distribution Cable size (mm ²)	35, 50, 70, 95, 120
CO ₂ emission (tCO ₂)	3,255.16

PICTURE : GOOGLE EARTH

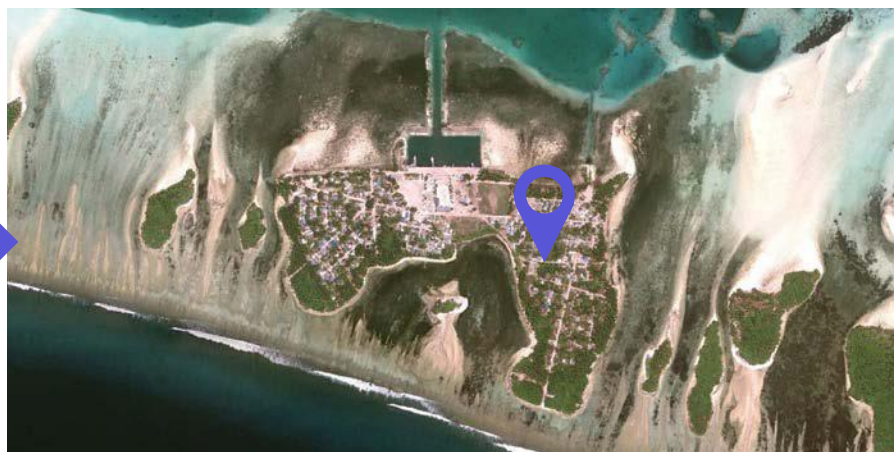




ISLAND ELECTRICITY DATA 2015 OF :
GDH. FARESMAATHODAA

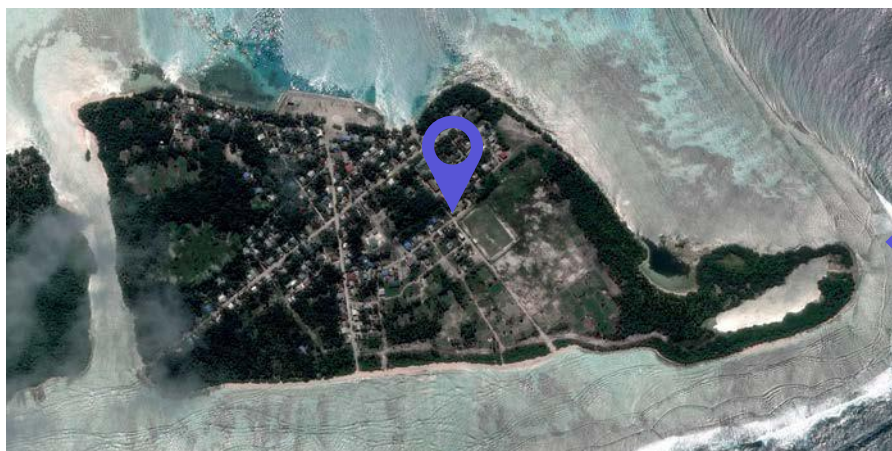
Population	1059
Area of Island (km ²)	0.40
Distance from Male' (km)	444.1
Distance from nearest airport (km)	38.17
Electricity Provider	FENAKA
Daily Peak Load (kW)	127
Peak load time	10:30
Installed Capacity (kW)	580
Installed Generator sets (kW)	150,180,250
Monthly Average Usage (kWh)	63,945.08
Yearly electricity production (kWh/yr)	767,341.00
Oil Consumption (Lit/yr)	299,970.00
Lube Oil Consumption (Lit/yr)	592.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2009
Distribution Cable size (mm ²)	16, 35, 50
CO ₂ emission (tCO ₂)	798.64

PICTURE : GOOGLE EARTH



Population	825
Area of Island (km ²)	0.80
Distance from Male' (km)	442.8
Distance from nearest airport (km)	33.18
Electricity Provider	FENAKA
Daily Peak Load (kW)	80
Peak load time	18:00
Installed Capacity (kW)	392
Installed Generator sets (kW)	80,62,250
Monthly Average Usage (kWh)	47,048.50
Yearly electricity production (kWh/yr)	564,582.00
Oil Consumption (Lit/yr)	241,650
Lube Oil Consumption (Lit/yr)	1,059
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	643.37

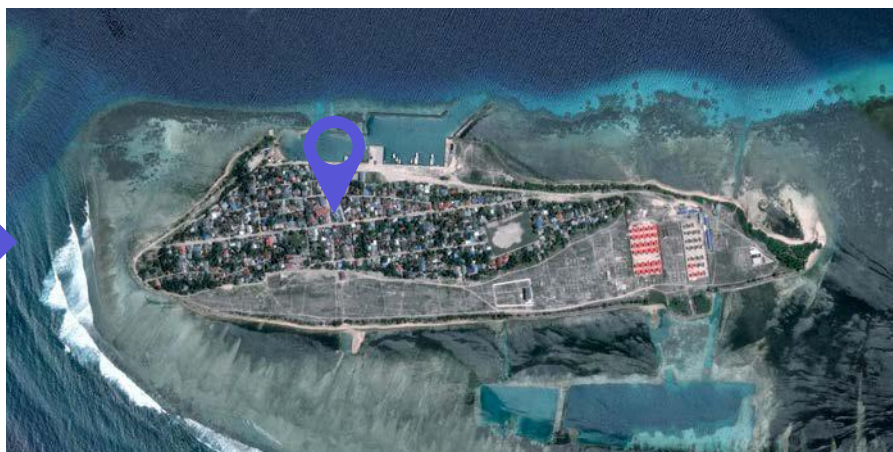
PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
GDH. GADHDHOO

Population	1489
Area of Island (km ²)	0.30
Distance from Male' (km)	433.4
Distance from nearest airport (km)	49.53
Electricity Provider	FENAKA
Daily Peak Load (kW)	299
Peak load time	19:00
Installed Capacity (kW)	1050
Installed Generator sets (kW)	300,500,250
Monthly Average Usage (kWh)	129,592.58
Yearly electricity production (kWh/yr)	1,555,111.00
Oil Consumption (Lit/yr)	519,101.00
Lube Oil Consumption (Lit/yr)	1,341.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1994
Distribution Cable size (mm ²)	16, 35, 50, 70
CO ₂ emission (tCO ₂)	1,382.05

PICTURE : GOOGLE EARTH



Population	796
Area of Island (km ²)	0.90
Distance from Male' (km)	418.7
Distance from nearest airport (km)	5.53
Electricity Provider	FENAKA
Daily Peak Load (kW)	143
Peak load time	12:00
Installed Capacity (kW)	169
Installed Generator sets (kW)	109,60
Monthly Average Usage (kWh)	57,559.08
Yearly electricity production (kWh/yr)	690,709.00
Oil Consumption (Lit/yr)	262,204.21
Lube Oil Consumption (Lit/yr)	1,425.53
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	698.09

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
GDH. MADAVELI

Population	1259
Area of Island (km ²)	0.40
Distance from Male' (km)	416.9
Distance from nearest airport (km)	3.49
Electricity Provider	FENAKA
Daily Peak Load (kW)	217
Peak load time	12:00
Installed Capacity (kW)	725
Installed Generator sets (kW)	231,144,250,100
Monthly Average Usage (kWh)	78,695.67
Yearly electricity production (kWh/yr)	944,348.00
Oil Consumption (Lit/yr)	342,215.00
Lube Oil Consumption (Lit/yr)	1,265.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	25, 35, 50, 70, 120
CO ₂ emission (tCO ₂)	911.11

PICTURE : GOOGLE EARTH



Population	725
Area of Island (km ²)	0.40
Distance from Male' (km)	434.8
Distance from nearest airport (km)	22.45
Electricity Provider	FENAKA
Daily Peak Load (kW)	103
Peak load time	11:30
Installed Capacity (kW)	333
Installed Generator sets (kW)	100,150,83
Monthly Average Usage (kWh)	37,489.08
Yearly electricity production (kWh/yr)	449,869.00
Oil Consumption (Lit/yr)	161,560.00
Lube Oil Consumption (Lit/yr)	661.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25, 35
CO ₂ emission (tCO ₂)	430.14

PICTURE : GOOGLE EARTH



ISLAND ELECTRICITY DATA 2015 OF :
GDH. RATHAFANDHOO

Population	553
Area of Island (km ²)	0.40
Distance from Male' (km)	439.5
Distance from nearest airport (km)	28.66
Electricity Provider	FENAKA
Daily Peak Load (kW)	111
Peak load time	12:00
Installed Capacity (kW)	292
Installed Generator sets (kW)	160,84,48
Monthly Average Usage (kWh)	38,488.17
Yearly electricity production (kWh/yr)	461,858.00
Oil Consumption (Lit/yr)	168,853.00
Lube Oil Consumption (Lit/yr)	790.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	449.55

PICTURE : GOOGLE EARTH



Population	5268
Area of Island (km ²)	1.20
Distance from Male' (km)	409.7
Distance from nearest airport (km)	4.29
Electricity Provider	FENAKA
Daily Peak Load (kW)	1,514
Peak load time	21:00
Installed Capacity (kW)	2320
Installed Generator sets (kW)	1000, 720, 600
Monthly Average Usage (kWh)	519,930.42
Yearly electricity production (kWh/yr)	6,239,165.00
Oil Consumption (Lit/yr)	1,900,699.00
Lube Oil Consumption (Lit/yr)	3,101.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1987
Distribution Cable size (mm ²)	6 to 150
CO ₂ emission (tCO ₂)	5,060.42

PICTURE : GOOGLE EARTH

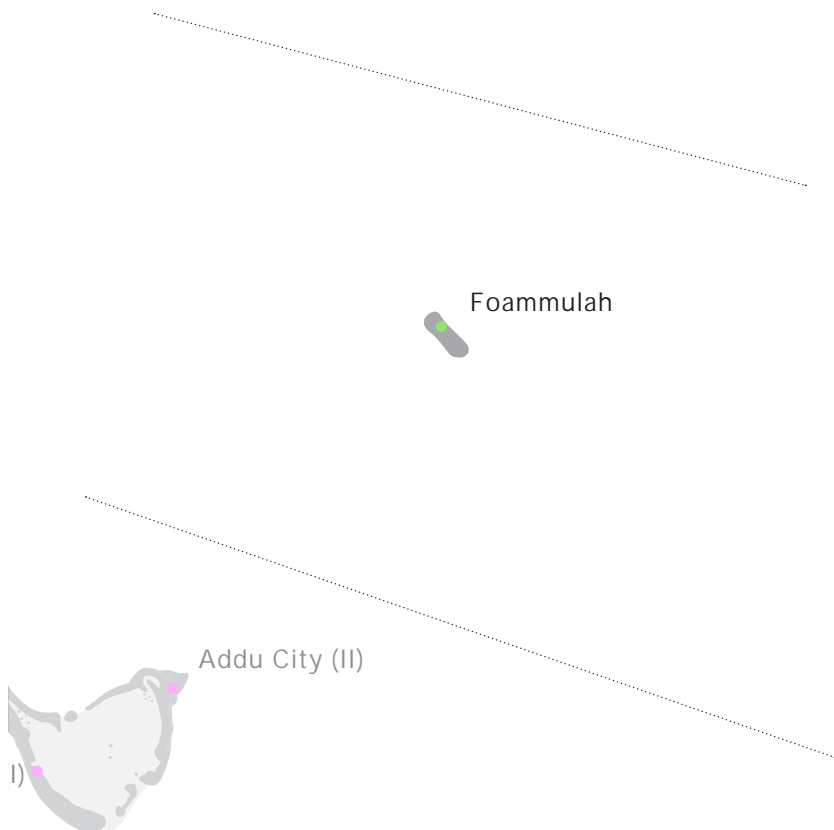


ISLAND ELECTRICITY DATA 2015 OF :
GDH. VAADHOO

Population	741
Area of Island (km ²)	1.90
Distance from Male' (km)	439.9
Distance from nearest airport (km)	41.76
Electricity Provider	FENAKA
Daily Peak Load (kW)	124
Peak load time	11:00
Installed Capacity (kW)	418
Installed Generator sets (kW)	138,100,180
Monthly Average Usage (kWh)	51,120.25
Yearly electricity production (kWh/yr)	613,443.00
Oil Consumption (Lit/yr)	242,060.00
Lube Oil Consumption (Lit/yr)	1,037.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	644.46

PICTURE : GOOGLE EARTH







CENTRAL PARK, HULHUMALE
PHOTO: HAMDA RAMEEZ

Population	8579
Area of Island (km ²)	4.90
Distance from Male' (km)	496.5
Distance from nearest airport (km)	0
Electricity Provider	FENAKA
Daily Peak Load (kW)	1,820
Peak load time	12:00
Installed Capacity (kW)	3570
Installed Generator sets (kW)	1000,720,250,1000,600
Monthly Average Usage (kWh)	758,428.17
Yearly electricity production (kWh/yr)	9,101,138.00
Oil Consumption (Lit/yr)	2,820,158.92
Lube Oil Consumption (Lit/yr)	9,498.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1991
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95, 120, 150
CO ₂ emission (tCO ₂)	7,508.39

PICTURE : GOOGLE EARTH

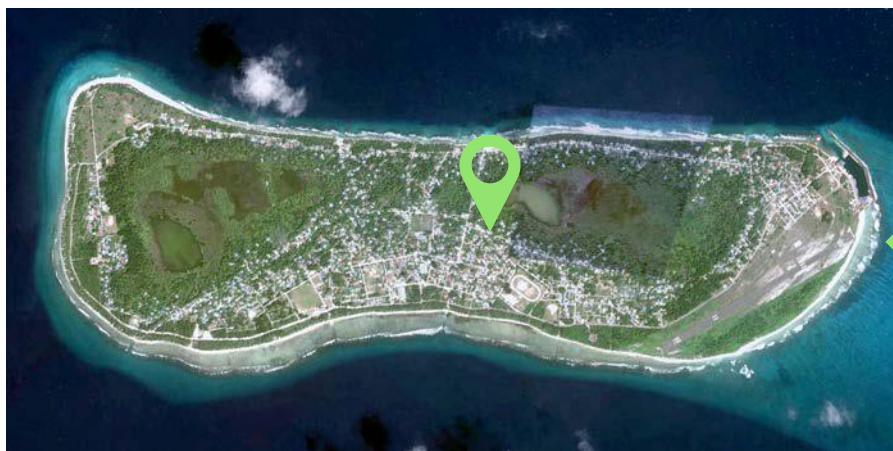
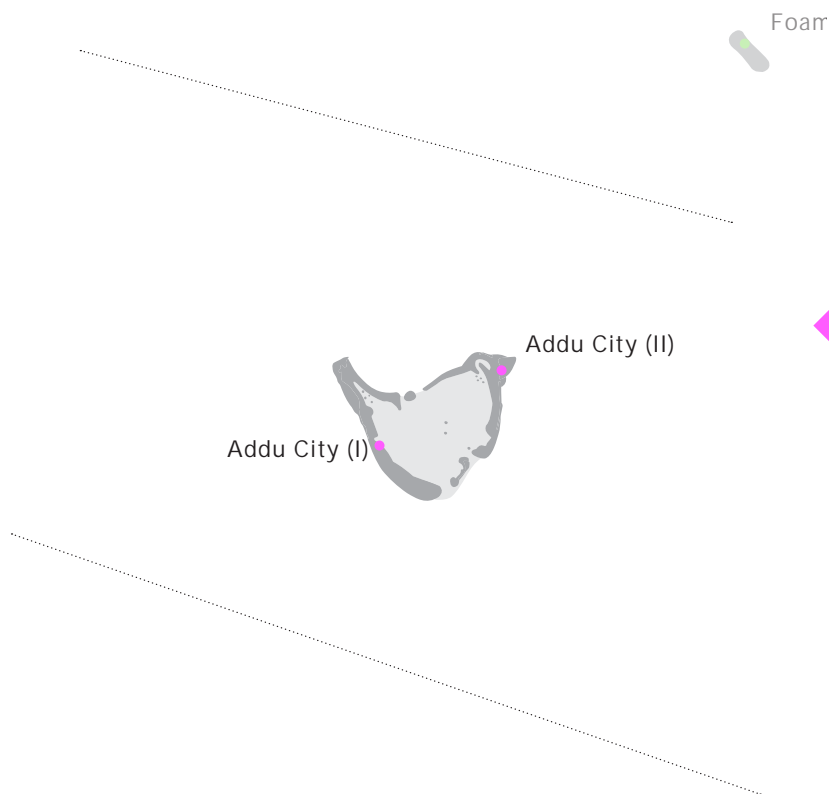




PHOTO: SARA MOHAMED



ISLAND ELECTRICITY DATA 2015 OF :

S. ADDU CITY (I)

Population	3461
Area of Island (km ²)	3.00
Distance from Male' (km)	532.5
Distance from nearest airport (km)	13.16
Electricity Provider	FENAKA
Daily Peak Load (kW)	5440
Peak load time	19:30
Installed Capacity (kW)	10450
Installed Generator sets (kW)	750x3, 800x2, 1000x5, 1600x1
Monthly Average Usage (kWh)	262,658.17
Yearly electricity production (kWh/yr)	3,151,898.00
Oil Consumption (Lit/yr)	946,812.00
Lube Oil Consumption (Lit/yr)	3,859.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1996
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95, 120
CO ₂ emission (tCO ₂)	2,520.79

PICTURE : GOOGLE EARTH



S. ADDU CITY (II)

Population	17935
Area of Island (km ²)	8.00
Distance from Male' (km)	535.6
Distance from nearest airport (km)	0
Electricity Provider	FENAKA
Daily Peak Load (kW)	48,990
Peak load time	15:00
Installed Capacity (kW)	4850
Installed Generator sets (kW)	750,750,750,1000,1600
Monthly Average Usage (kWh)	1,233,286.50
Yearly electricity production (kWh/yr)	14,799,438.00
Oil Consumption (Lit/yr)	8,407,654.00
Lube Oil Consumption (Lit/yr)	37,734.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1997
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95, 120, 150, 300, 600
CO ₂ emission (tCO ₂)	22,384.54

PICTURE : GOOGLE EARTH



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