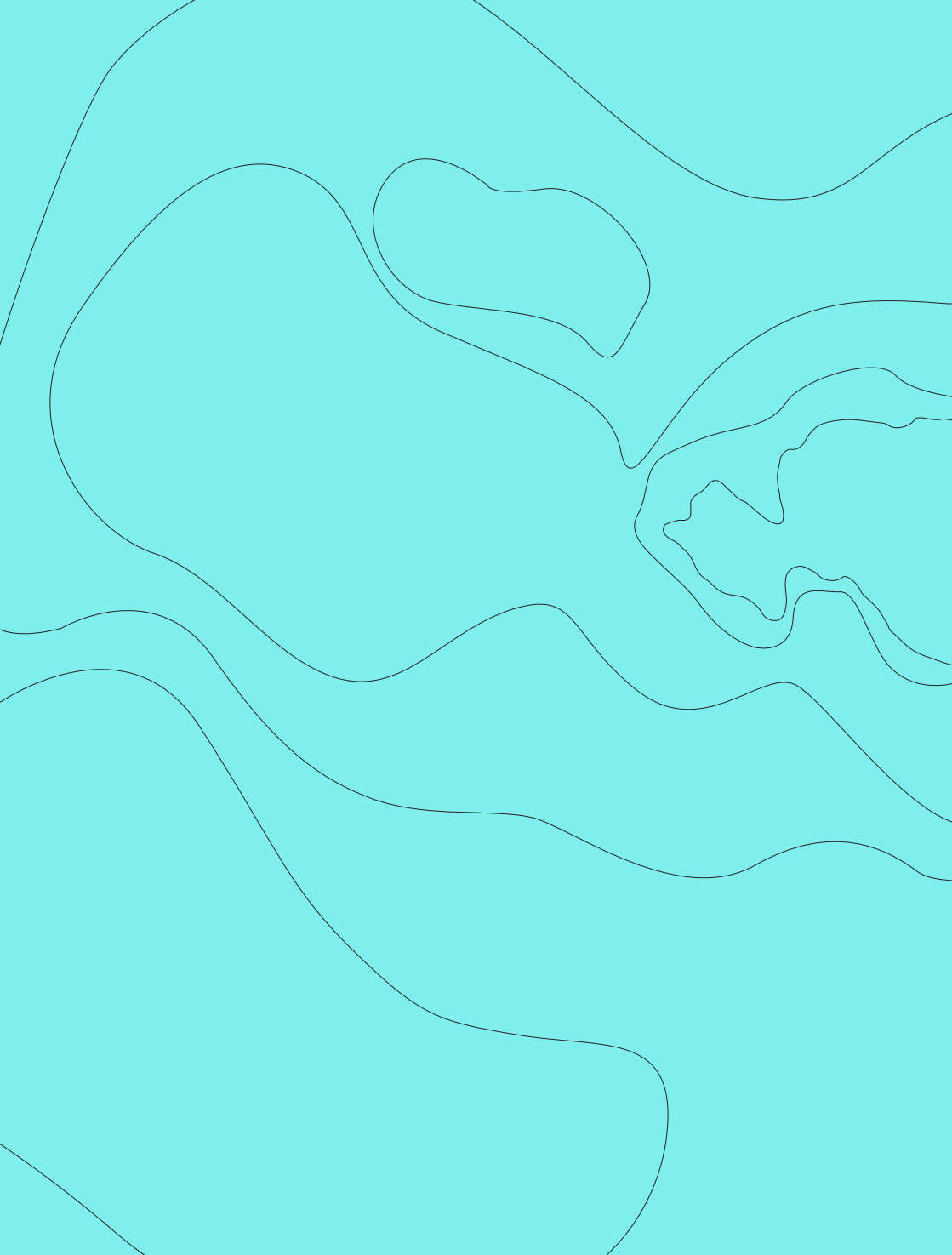




MINISTRY OF ENVIRONMENT AND ENERGY
REPUBLIC OF MALDIVES

ISLAND ELECTRICITY DATA BOOK 2017

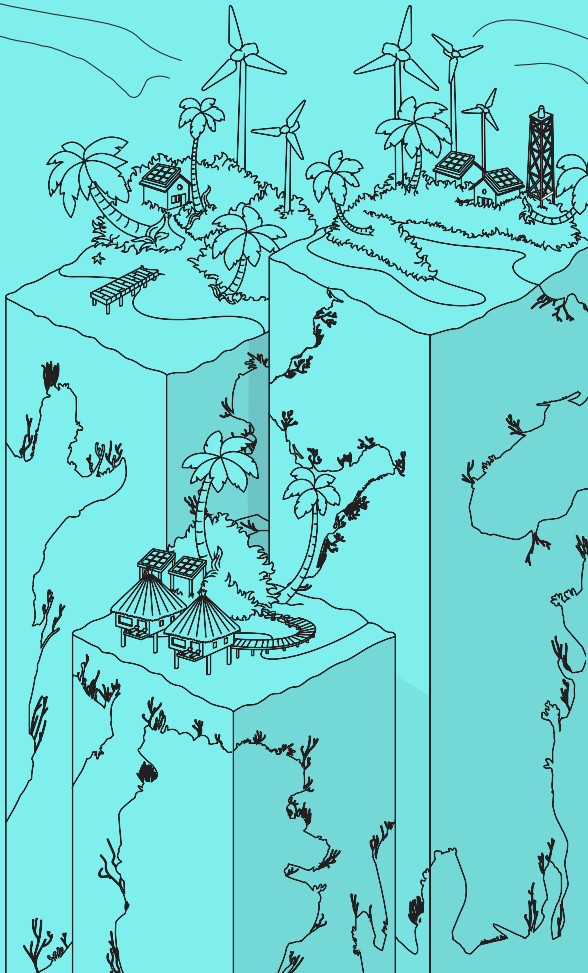






MINISTRY OF ENVIRONMENT AND ENERGY
REPUBLIC OF MALDIVES

ISLAND ELECTRICITY DATA BOOK 2017



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ISBN 978-99915-59-47-6

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DESIGN & LAYOUT

Blinx Media Pvt. Ltd

PLEASE CITE THIS DATA BOOK AS;

Ministry of Environment and Energy. (2017). Island
Electricity Data Book 2017. Male' : Author.



HON. THORIQ IBRAHIM
MINISTER OF ENVIRONMENT AND ENERGY

The Government of the Maldives is striving to improve and develop the energy sector through enhancing the policy and regulatory regime. In order to achieve this, the Government has published “Maldives Energy Policy and Strategy 2016” and initiated number of other measures including drafting of an Energy Act, Energy Sector Roadmap 2018-2025, collection and compilation of electricity data, and other regulatory frameworks to promote renewable energy and energy efficiency.

Ministry of Environment and Energy has been collecting electricity data of the inhabited islands since 2013 with the aim to publish information on electricity generation, distribution, and usage data. The first compilation of electricity data “Maldives Energy Outlook for Inhabited Islands 2013” was published in 2013 and the second compilation “Island Electricity Data Book 2016” was published in 2016. I am pleased to announce the release of the third book, “Island Electricity Data Book 2017”. In this book, electricity data of inhabited islands, fuel comparisons, and renewable

energy installations are included. Despite the challenges, the inclusion of a chapter with the information on electricity generation, distribution, and usage data of 25 resorts is a great achievement.

This publication would not be possible without the contribution from all the stakeholders involved. I would like to express my sincere appreciation to State Electric Company Ltd., FENAKA Cooperation Ltd., Male’ Water and Sewerage Company Pvt. Ltd., Ministry of Tourism, Maldives Association of Tourism Industry, island councils, private companies and resorts for their support and dedication in providing the data. I am also thankful to the staff of Ministry of Environment and Energy, especially Energy Department for their hard work in collecting and compiling the data published in the “Island Electricity Data Book 2017”.

December 2017

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**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, 187 are inhabited¹, 123 are self-contained tourist resorts and 128 are used for other industrial and commercial activities. The total population of the Maldives is 341,256³.

Maldives has achieved provision of 24 hours electricity service throughout the country in 2008. All its energy needs are met through imported fossil fuel products. Overreliance on fossil fuel imports leaves Maldives highly vulnerable to global fuel hikes, bringing positive and negative impacts on the balance of payments accordingly. Islands being dispersed in nature and given the small size of the islands, it is difficult to store large quantities of fuel in these islands. Hence, current fuel storage capacity of the country is very small, approximately 28MT, which only lasts for 10 days. Therefore, fuel needs to be imported twice or thrice per month.

The dispersed nature of the islands requires each 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, 148 and 1 respectively. Out of the remaining powerhouses, the island councils operate 4 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.

In order to overcome these challenges and to enhance the energy security and to achieve a low carbon development economy, the Maldives government has launched a program in 2014 to diversify energy sector through introduction and promotion of locally available renewable energy sources. Through these initiatives, the government will install renewable energy systems up to 30 percent of daytime peak load of electricity in all inhabited islands before the end of 2018. Solar PV-diesel-hybrid systems have already been installed in some of the islands and work in rest of the islands is ongoing at different stages. Also a feed-in tariff mechanism and a net metering regulation have been introduced to promote renewable energy projects in the private sector and household level. In order

to encourage renewable energy investments, the government has launched a loan facility in collaboration with Bank of Maldives PLC which provides loans to the customers, both private and households, at a concessional rate. In addition, the government conducts several energy efficiency awareness and efficient equipment distribution programs to increase awareness on energy efficiency and conservation among the public.

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1. Statistical Pocket Book 2016, National Bureau of Statistics
 2. Maldives Statistical Year Book 2016, National Bureau of Statistics
 3. Census 2014, National Bureau of Statistics

KEY FINDINGS

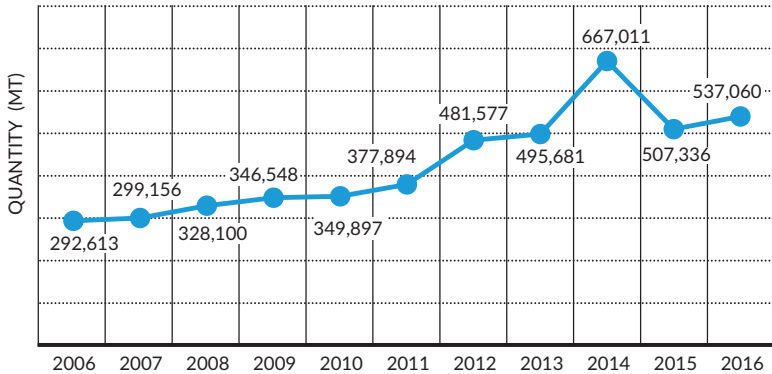
- In 2016, 537,060 metric tons of fuel was imported. Out of this, 13,619 metric tons was cooking gas, 445,036 metric tons was diesel, 47,794 metric tons was petrol and 30,611 metric tons was aviation gas⁴.
- Maldives achieved universal access of electricity in 2008.
- The inhabited islands of the Maldives have a total installed capacity of 214MW of diesel generators to cater for the electricity demand.
- There is a total of 186 powerhouses in inhabited islands.
- Electricity generation for the capital Male' (Male', Villingili and Hulhumale') accounts for 59.8% of the total electricity generation of all the inhabited islands. This is the largest electricity-consuming region with consumption of about a 375.6 GWh/year and having an installed capacity of 87.68 MW.
- In 2016, outer islands consumed 252.5GWh of electricity.
- By the end of 2016, the total power generation from renewable energy in Maldives is 6MW.
- Existing electricity tariff approved by the Maldives Energy Authority for diesel-based generation is in the range of US cent 14–50.

⁴ Total Imports 2016, Maldives Customs Service

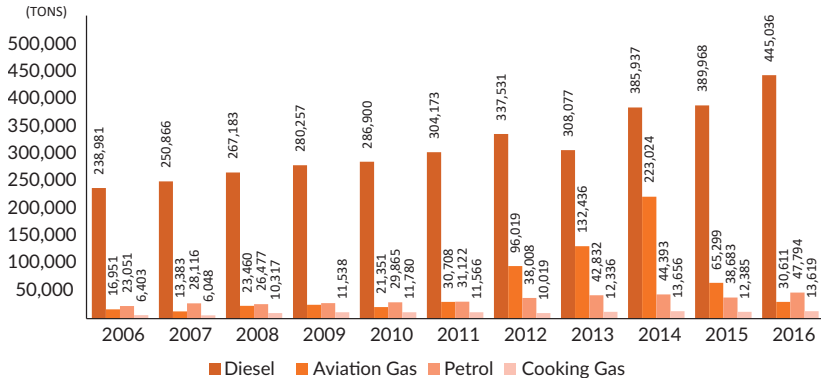
RENEWABLE ENERGY INSTALLATIONS

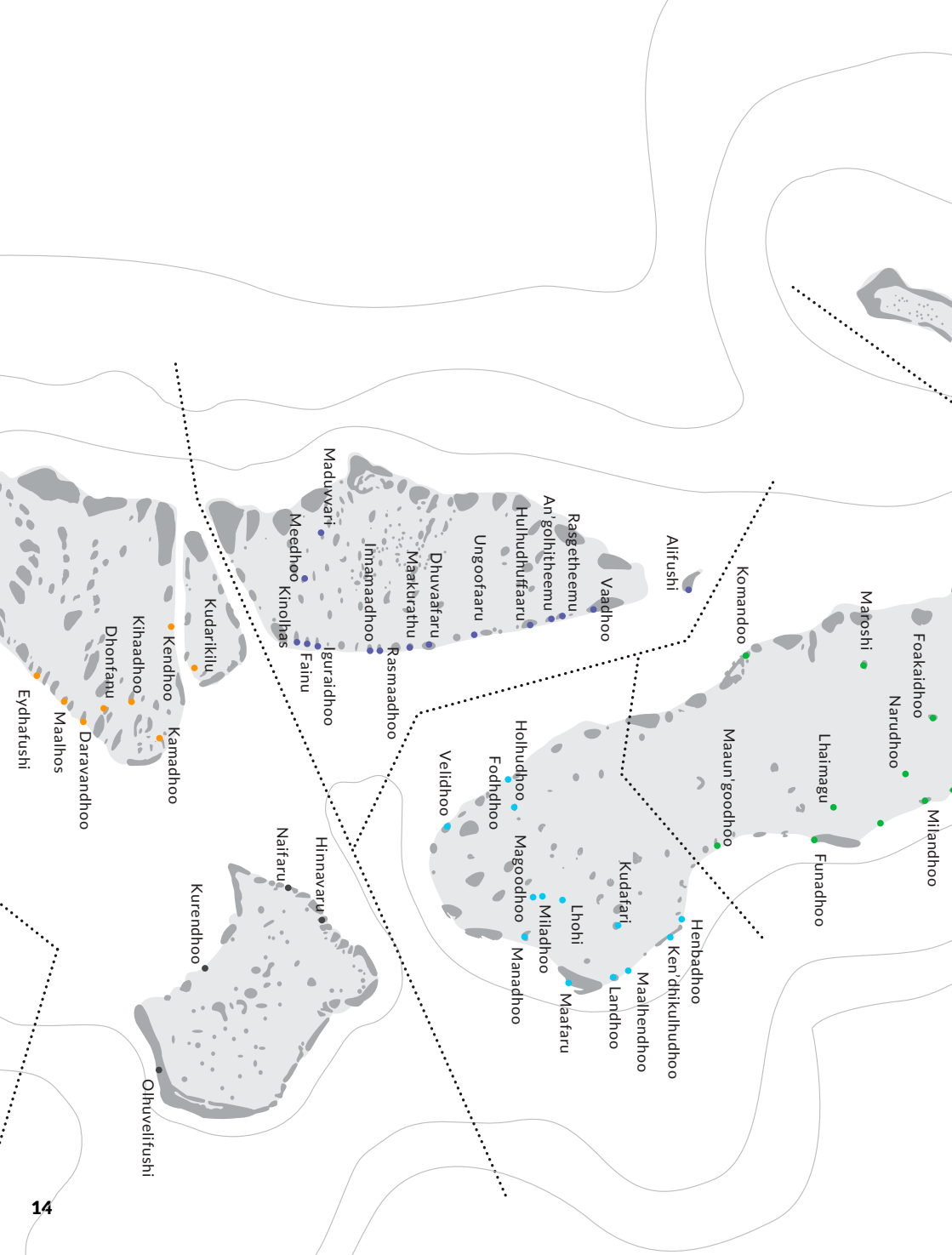


TOTAL FUEL IMPORTS



OIL IMPORTS





Alifushi
Komandoo
Maroshi
Foakaidhoo
Narudhoo
Milandhoo
Lhaimagu
Funadhoo
Maun'goodhoo
Maadhoo
Rasgetheemu
An'golitheemu
Hulhudhuffaaruu
Ungoo'faaru
Dhuvaafaru
Maakurathu
Rasmaadhoo
Innamaadhoo
Maduvaru
Meedhoo
Kinollas
Fainu
Iguraidhoo
Kudar'kiluu
Kendhoo
Kamaadhoo
Kinaadhoo
Dhon'fanu
Maalhoo
Daravandhoo
Eydha'fushi
Hennavaru
Nafaru
Kurendhoo
Oluhveifushi
Velidhoo
Fodhdhoo
Holhudhoo
Maagoodhoo
Miladhoo
Lhoi
Maafaru
Maandhoo
Kudafaru
Landhoo
Maalhendhoo
Ken'thrikulhudhoo
Hembadhoo



HA. BAARAH

Population	1091
Area of Island (km ²)	2.60
Distance from Male' (km)	294.7
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	178
Peak load time	12:00
Installed Capacity (kW)	488
Installed Generator sets (kW)	68,300,120
Monthly Average Usage (kWh)	75731.42
Yearly electricity production (kWh)	908,777.00
Yearly Oil Consumption (L)	312,681.00
Yearly Lube Oil Consumption (L)	1,626.70
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25,35,50,75
CO ₂ emission (tCO ₂)	832.48



Population	2745
Area of Island (km ²)	0.60
Distance from Male' (km)	305
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	760
Peak load time	14:00
Installed Capacity (kW)	1908
Installed Generator sets (kW)	600,400,508,400
Monthly Average Usage (kWh)	289293.50
Yearly electricity production (kWh)	3,471,522.00
Yearly Oil Consumption (L)	1,078,214.00
Yearly Lube Oil Consumption (L)	5,046.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1992
Distribution Cable size (mm ²)	35,50,70,120
CO ₂ emission (tCO ₂)	2870.64

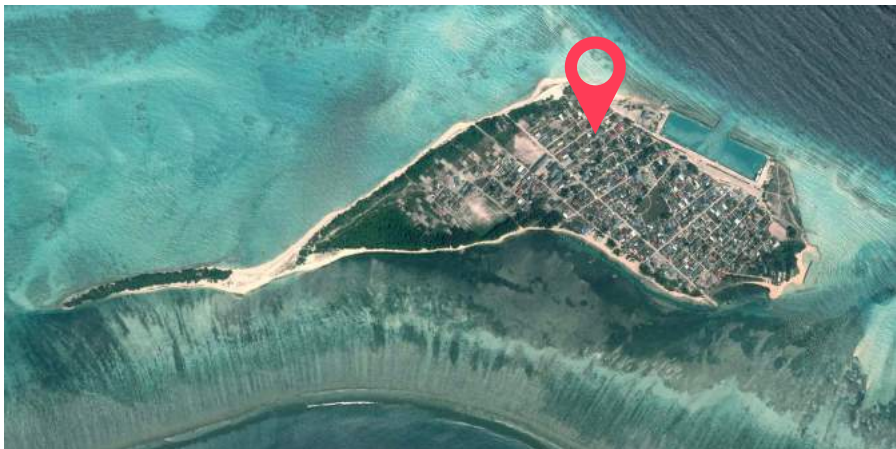


HA. FILLADHOO

Population	576
Area of Island (km ²)	2.60
Distance from Male' (km)	301.7
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	99
Peak load time	13:00
Installed Capacity (kW)	300
Installed Generator sets (kW)	80,160,60
Monthly Average Usage (kWh)	41628.83
Yearly electricity production (kWh)	499,546.00
Yearly Oil Consumption (L)	169,855.00
Yearly Lube Oil Consumption (L)	930.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	25,35,75
CO ₂ emission (tCO ₂)	452.22



Population	1826
Area of Island (km ²)	0.70
Distance from Male' (km)	317.1
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	509
Peak load time	12:00
Installed Capacity (kW)	1000
Installed Generator sets (kW)	200,200,600
Monthly Average Usage (kWh)	184676.25
Yearly electricity production (kWh)	2,216,115.00
Yearly Oil Consumption (L)	691,272.50
Yearly Lube Oil Consumption (L)	3,629.58
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1999
Distribution Cable size (mm ²)	25,35,50,70,90,150
CO ₂ emission (tCO ₂)	1840.44

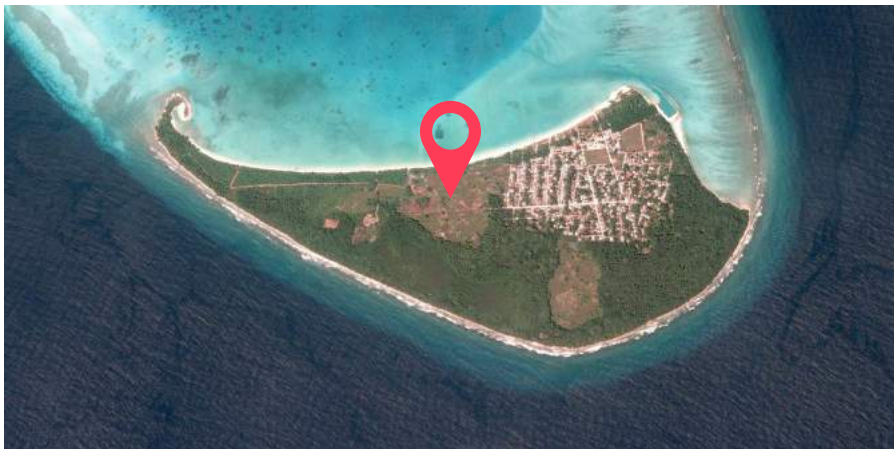


HA. IHAVANDHOO

Population	2554
Area of Island (km ²)	0.60
Distance from Male' (km)	314.1
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	489
Peak load time	12:00
Installed Capacity (kW)	760
Installed Generator sets (kW)	250,160,350
Monthly Average Usage (kWh)	193392.67
Yearly electricity production (kWh)	2,320,712.00
Yearly Oil Consumption (L)	716,150.00
Yearly Lube Oil Consumption (L)	3,409.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	1906.68



Population	1063
Area of Island (km ²)	2.00
Distance from Male' (km)	309.3
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	269
Peak load time	12:00
Installed Capacity (kW)	556
Installed Generator sets (kW)	120,200,236
Monthly Average Usage (kWh)	100021.17
Yearly electricity production (kWh)	1,200,254.00
Yearly Oil Consumption (L)	350,899.00
Yearly Lube Oil Consumption (L)	1,563.00
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)	934.23



HA. MAARANDHOO

Population	668
Area of Island (km ²)	0.40
Distance from Male' (km)	303.9
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	94
Peak load time	12:00
Installed Capacity (kW)	410
Installed Generator sets (kW)	250,160
Monthly Average Usage (kWh)	41130.25
Yearly electricity production (kWh)	493,563.00
Yearly Oil Consumption (L)	178,670.00
Yearly Lube Oil Consumption (L)	1,106.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2007
Distribution Cable size (mm ²)	16,35
CO ₂ emission (tCO ₂)	475.69



Population	231
Area of Island (km ²)	1.20
Distance from Male' (km)	320
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	58
Peak load time	12:00
Installed Capacity (kW)	168
Installed Generator sets (kW)	60,60,48
Monthly Average Usage (kWh)	16819.75
Yearly electricity production (kWh)	201,837.04
Yearly Oil Consumption (L)	85,925.00
Yearly Lube Oil Consumption (L)	439.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2012
Distribution Cable size (mm ²)	50,70
CO ₂ emission (tCO ₂)	228.77



HA. MURAI DHOO

Population	464
Area of Island (km ²)	0.50
Distance from Male' (km)	298.9
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	102
Peak load time	10:30
Installed Capacity (kW)	270
Installed Generator sets (kW)	120,150
Monthly Average Usage (kWh)	33309.75
Yearly electricity production (kWh)	399,717.00
Yearly Oil Consumption (L)	135,372.00
Yearly Lube Oil Consumption (L)	1,005.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1999
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	360.41

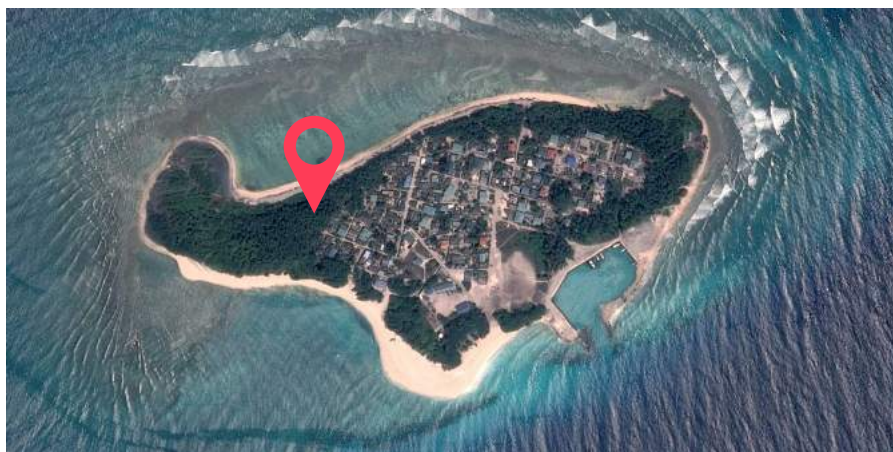


Population	355
Area of Island (km ²)	0.40
Distance from Male' (km)	302.1
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	67
Peak load time	13:00
Installed Capacity (kW)	308
Installed Generator sets (kW)	58,150,32,68
Monthly Average Usage (kWh)	32357.50
Yearly electricity production (kWh)	388,290.00
Yearly Oil Consumption (L)	110,940.00
Yearly Lube Oil Consumption (L)	691.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1999
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	295.37

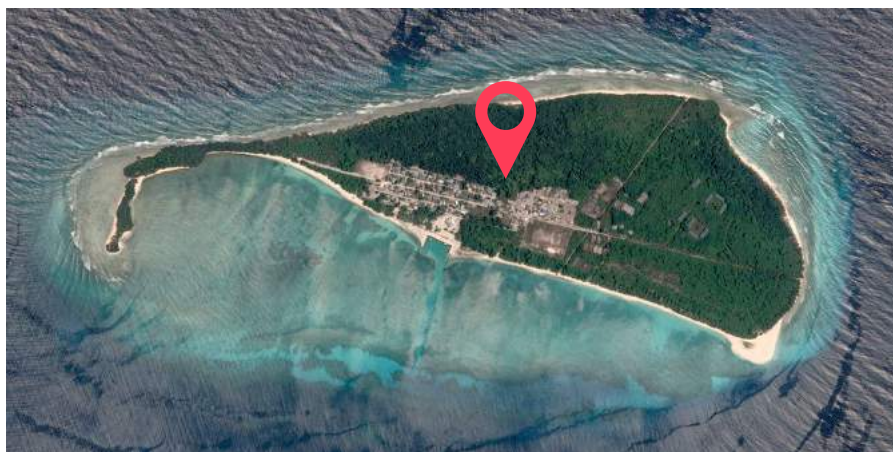


HA. THURAAKUNU

Population	417
Area of Island (km ²)	0.30
Distance from Male' (km)	331.1
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	102
Peak load time	12:30
Installed Capacity (kW)	348
Installed Generator sets (kW)	60,160,128
Monthly Average Usage (kWh)	37313.08
Yearly electricity production (kWh)	447,757.00
Yearly Oil Consumption (L)	149,015.00
Yearly Lube Oil Consumption (L)	720.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2000
Distribution Cable size (mm ²)	6,25,35,50
CO ₂ emission (tCO ₂)	396.74



Population	380
Area of Island (km ²)	1.10
Distance from Male' (km)	328.7
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	77
Peak load time	17:00
Installed Capacity (kW)	177
Installed Generator sets (kW)	128,49
Monthly Average Usage (kWh)	32024.42
Yearly electricity production (kWh)	384,293.00
Yearly Oil Consumption (L)	135,489.00
Yearly Lube Oil Consumption (L)	657.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2002
Distribution Cable size (mm ²)	16,25,35
CO ₂ emission (tCO ₂)	360.73

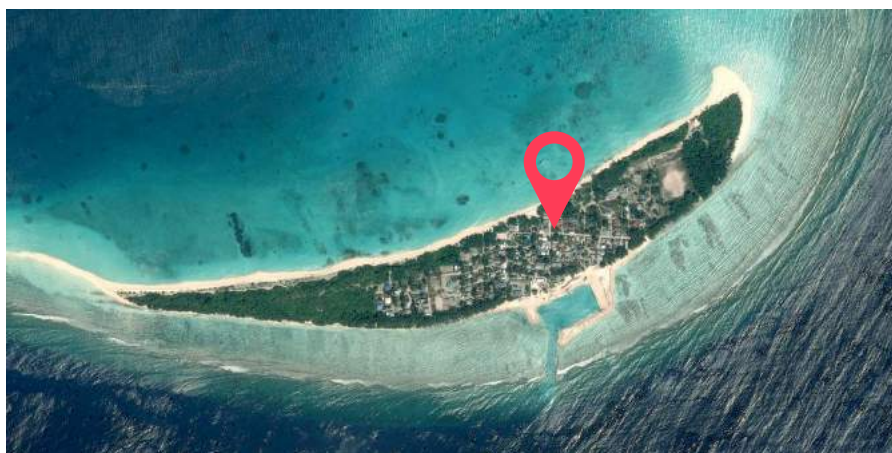


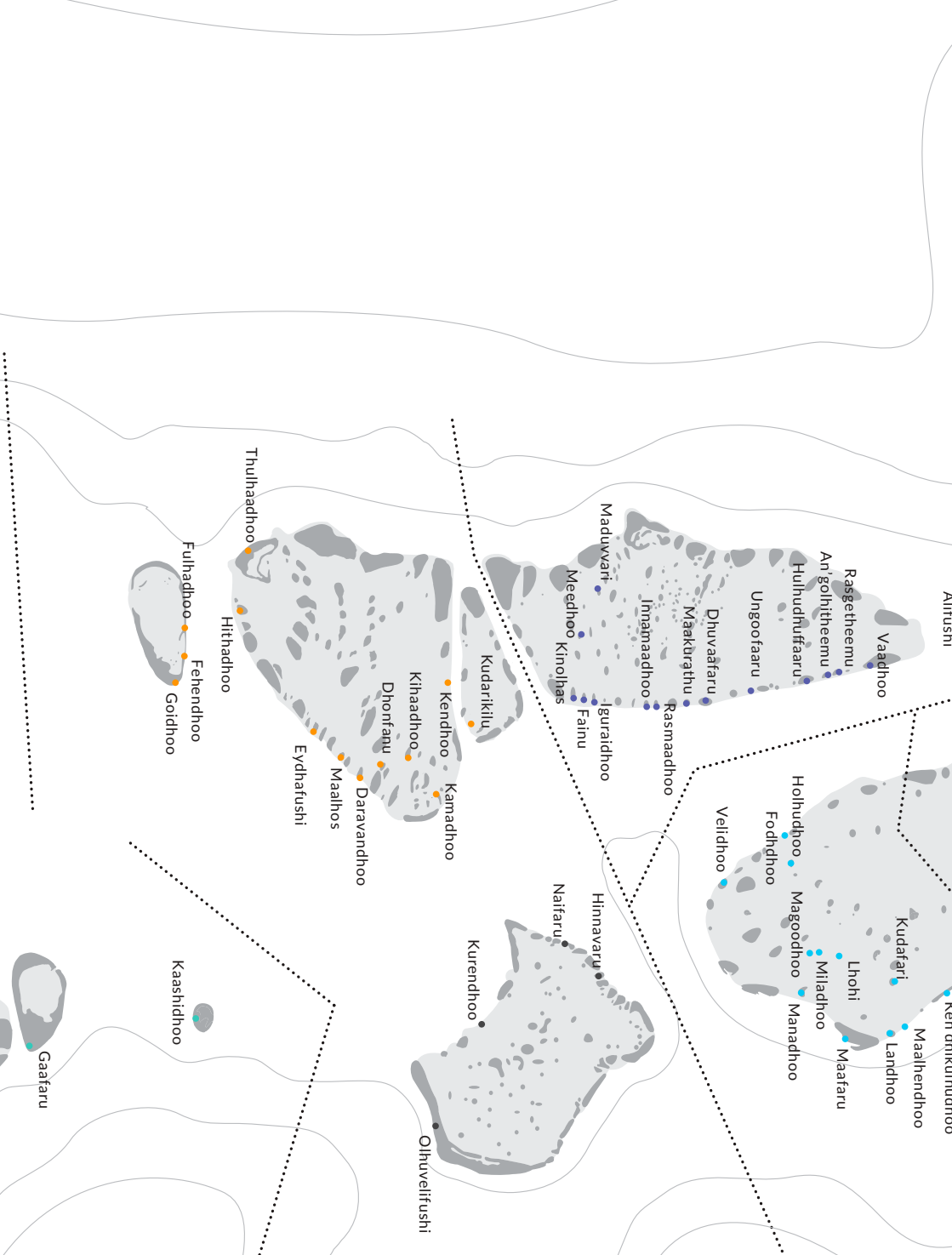
HA. UTHEEMU

Population	593
Area of Island (km ²)	0.50
Distance from Male' (km)	298
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	160
Peak load time	12:30
Installed Capacity (kW)	440
Installed Generator sets (kW)	160,80,200
Monthly Average Usage (kWh)	49487.00
Yearly electricity production (kWh)	593,844.00
Yearly Oil Consumption (L)	186,568.00
Yearly Lube Oil Consumption (L)	956.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16,25
CO ₂ emission (tCO ₂)	496.72



Population	449
Area of Island (km ²)	0.40
Distance from Male' (km)	304.7
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	106
Peak load time	12:00
Installed Capacity (kW)	320
Installed Generator sets (kW)	80,160,80
Monthly Average Usage (kWh)	36248.58
Yearly electricity production (kWh)	434,983.00
Yearly Oil Consumption (L)	139,937.00
Yearly Lube Oil Consumption (L)	568.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	44
CO ₂ emission (tCO ₂)	372.57





Aitrusini

Vaadhoo

Rasgetheemu

An'golhithheemu

Huihuddhufaaruu

Ungoofaaruu

Dhuvaafaaruu

Maakurathuu

Rasmaadhoo

Innamaadhoo

Maduvaru

Meedhoo

Kinollhas

Iguraidhoo

Fainuu

Kudaraikiliu

Kamadhoo

Kendhoo

Kihnaadhoo

Dhon'fanuu

Daravandhoo

Maalhos

Eydhatufushi

Thulhaadhoo

Hithadhoo

Fehendhoo

Goidhoo

Nen'antikkunnuunoo

Maahendhoo

Landhoo

Maafaruu

Manadhoo

Miliadhoo

Magoodhoo

Velidhoo

Fodhdhoo

Holhudhoo

Kudafari

Lhothi

Miliadhoo

Manadhoo

Maafaruu

Landhoo

Maahendhoo

Nen'antikkunnuunoo

Himavaruu

Naifaruu

Kurendhoo

Olhuveifushi

Kaashidhoo

Gaafaruu



HDH. FINEY

HDH

Population	414
Area of Island (km ²)	1.17
Distance from Male' (km)	289.8
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	82
Peak load time	12:30
Installed Capacity (kW)	392
Installed Generator sets (kW)	160,100,132
Monthly Average Usage (kWh)	24585.00
Yearly electricity production (kWh)	295,020.00
Yearly Oil Consumption (L)	124,276.36
Yearly Lube Oil Consumption (L)	551.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2001
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	330.87



Population	1920
Area of Island (km ²)	3.11
Distance from Male' (km)	287.8
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	757
Peak load time	12:30
Installed Capacity (kW)	1690
Installed Generator sets (kW)	200,640,600,250
Monthly Average Usage (kWh)	290288.75
Yearly electricity production (kWh)	3,483,465.00
Yearly Oil Consumption (L)	1,192,216.00
Yearly Lube Oil Consumption (L)	7,199.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1992
Distribution Cable size (mm ²)	16,35,50,75,95,120,150
CO ₂ emission (tCO ₂)	3174.16



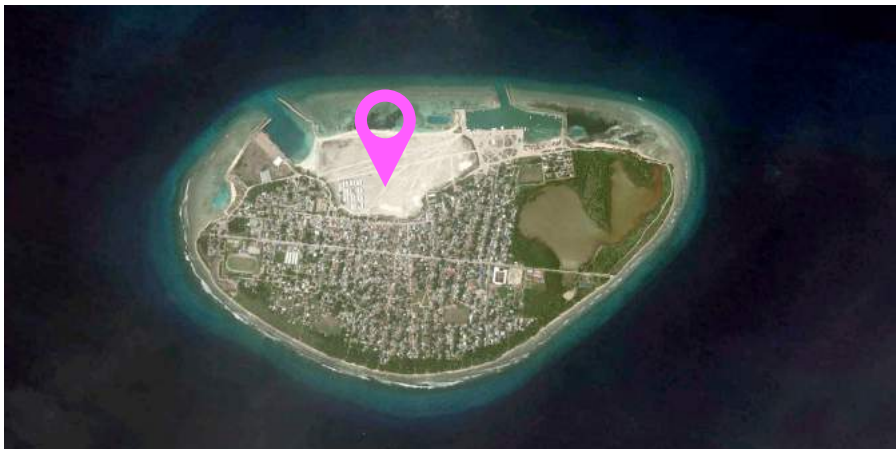
HDH. HIRIMARADHOO

HDH

Population	336
Area of Island (km ²)	0.46
Distance from Male' (km)	286.9
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	53
Peak load time	11:30
Installed Capacity (kW)	317
Installed Generator sets (kW)	47,80,150,40
Monthly Average Usage (kWh)	15936.00
Yearly electricity production (kWh)	191,232.00
Yearly Oil Consumption (L)	108,856.00
Yearly Lube Oil Consumption (L)	877.20
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2004
Distribution Cable size (mm ²)	70
CO ₂ emission (tCO ₂)	289.82



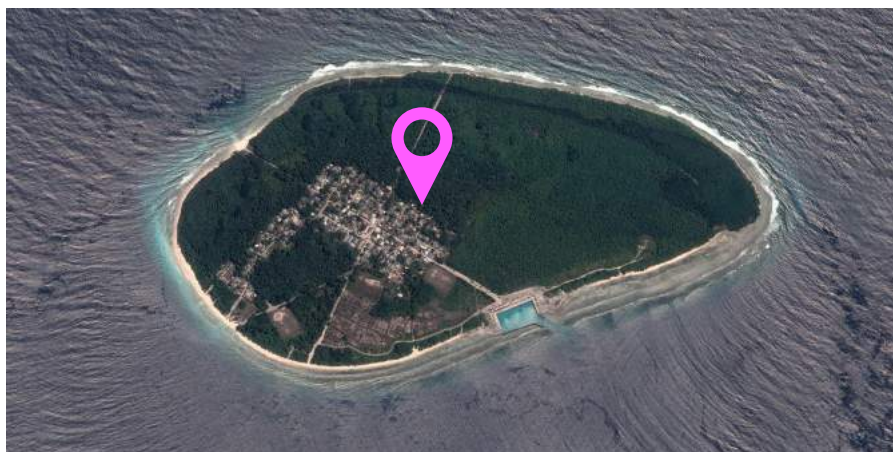
Population	8224
Area of Island (km ²)	1.88
Distance from Male' (km)	275
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	1,847
Peak load time	14:00
Installed Capacity (kW)	3600
Installed Generator sets (kW)	1000,1000,800,800
Monthly Average Usage (kWh)	952825.92
Yearly electricity production (kWh)	11,433,911.00
Yearly Oil Consumption (L)	3,277,224.00
Yearly Lube Oil Consumption (L)	12,174.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1987
Distribution Cable size (mm ²)	35,50,70,95,120
CO ₂ emission (tCO ₂)	8725.28



HDH. KUMUNDHOO

HDH

Population	892
Area of Island (km ²)	0.52
Distance from Male' (km)	269.8
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	135
Peak load time	12:00
Installed Capacity (kW)	376
Installed Generator sets (kW)	112,160,104
Monthly Average Usage (kWh)	57901.38
Yearly electricity production (kWh)	694,816.50
Yearly Oil Consumption (L)	230,390.50
Yearly Lube Oil Consumption (L)	1,263.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2001
Distribution Cable size (mm ²)	16,25,35,50,70,90,120
CO ₂ emission (tCO ₂)	613.39



Population	456
Area of Island (km ²)	0.42
Distance from Male' (km)	282.2
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	88
Peak load time	12:00
Installed Capacity (kW)	357
Installed Generator sets (kW)	117,160,80
Monthly Average Usage (kWh)	37606.92
Yearly electricity production (kWh)	451,283.00
Yearly Oil Consumption (L)	152,827.33
Yearly Lube Oil Consumption (L)	824.33
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1993
Distribution Cable size (mm ²)	6,16
CO ₂ emission (tCO ₂)	406.89



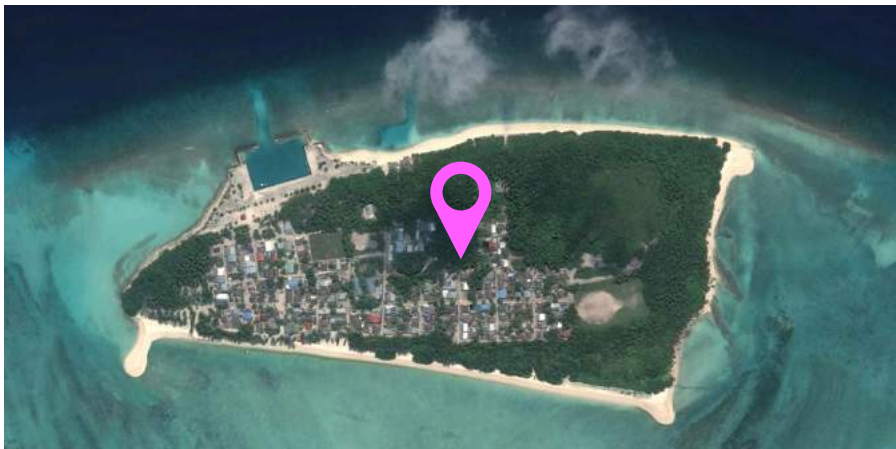
HDH. MAKUNUDHOO

HDH

Population	1235
Area of Island (km ²)	0.73
Distance from Male' (km)	262.4
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	243
Peak load time	12:00
Installed Capacity (kW)	686
Installed Generator sets (kW)	236,200,250
Monthly Average Usage (kWh)	106963.08
Yearly electricity production (kWh)	1,283,557.00
Yearly Oil Consumption (L)	423,110.00
Yearly Lube Oil Consumption (L)	1,470.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25,35,50
CO ₂ emission (tCO ₂)	1126.49



Population	416
Area of Island (km ²)	0.30
Distance from Male' (km)	292.4
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	104
Peak load time	12:00
Installed Capacity (kW)	230
Installed Generator sets (kW)	80,150
Monthly Average Usage (kWh)	34882.75
Yearly electricity production (kWh)	418,593.00
Yearly Oil Consumption (L)	130,594.00
Yearly Lube Oil Consumption (L)	839.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2005
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	347.69



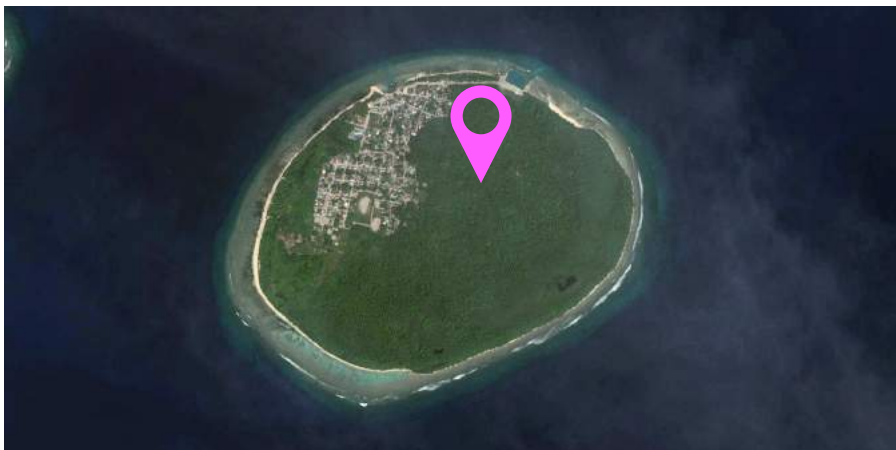
HDH. NELLAIDHOO

HDH

Population	860
Area of Island (km ²)	0.33
Distance from Male' (km)	288.4
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	161
Peak load time	21:30
Installed Capacity (kW)	400
Installed Generator sets (kW)	160,80,160
Monthly Average Usage (kWh)	59228.17
Yearly electricity production (kWh)	710,738.00
Yearly Oil Consumption (L)	235,841.00
Yearly Lube Oil Consumption (L)	1,090.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2002
Distribution Cable size (mm ²)	6,25,35,50
CO ₂ emission (tCO ₂)	627.90



Population	750
Area of Island (km ²)	1.69
Distance from Male' (km)	269.5
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	120
Peak load time	20:30
Installed Capacity (kW)	366
Installed Generator sets (kW)	200,100,66
Monthly Average Usage (kWh)	52395.92
Yearly electricity production (kWh)	628,751.00
Yearly Oil Consumption (L)	208,085.00
Yearly Lube Oil Consumption (L)	850.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25,35
CO ₂ emission (tCO ₂)	554.01



HDH. NOLHIVARAMU

HDH

Population	1889
Area of Island (km ²)	2.03
Distance from Male' (km)	280
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	258
Peak load time	12:30
Installed Capacity (kW)	590
Installed Generator sets (kW)	180,250,160
Monthly Average Usage (kWh)	92690.97
Yearly electricity production (kWh)	1,112,291.60
Yearly Oil Consumption (L)	392,467.00
Yearly Lube Oil Consumption (L)	942.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	6,35,95
CO ₂ emission (tCO ₂)	1044.90



Population	1030
Area of Island (km ²)	4.40
Distance from Male' (km)	283.2
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	197
Peak load time	12:00
Installed Capacity (kW)	450
Installed Generator sets (kW)	200,125,125
Monthly Average Usage (kWh)	84271.25
Yearly electricity production (kWh)	1,011,255.00
Yearly Oil Consumption (L)	315,588.00
Yearly Lube Oil Consumption (L)	1,369.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1999
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	840.22



HDH. VAIKARADHOO

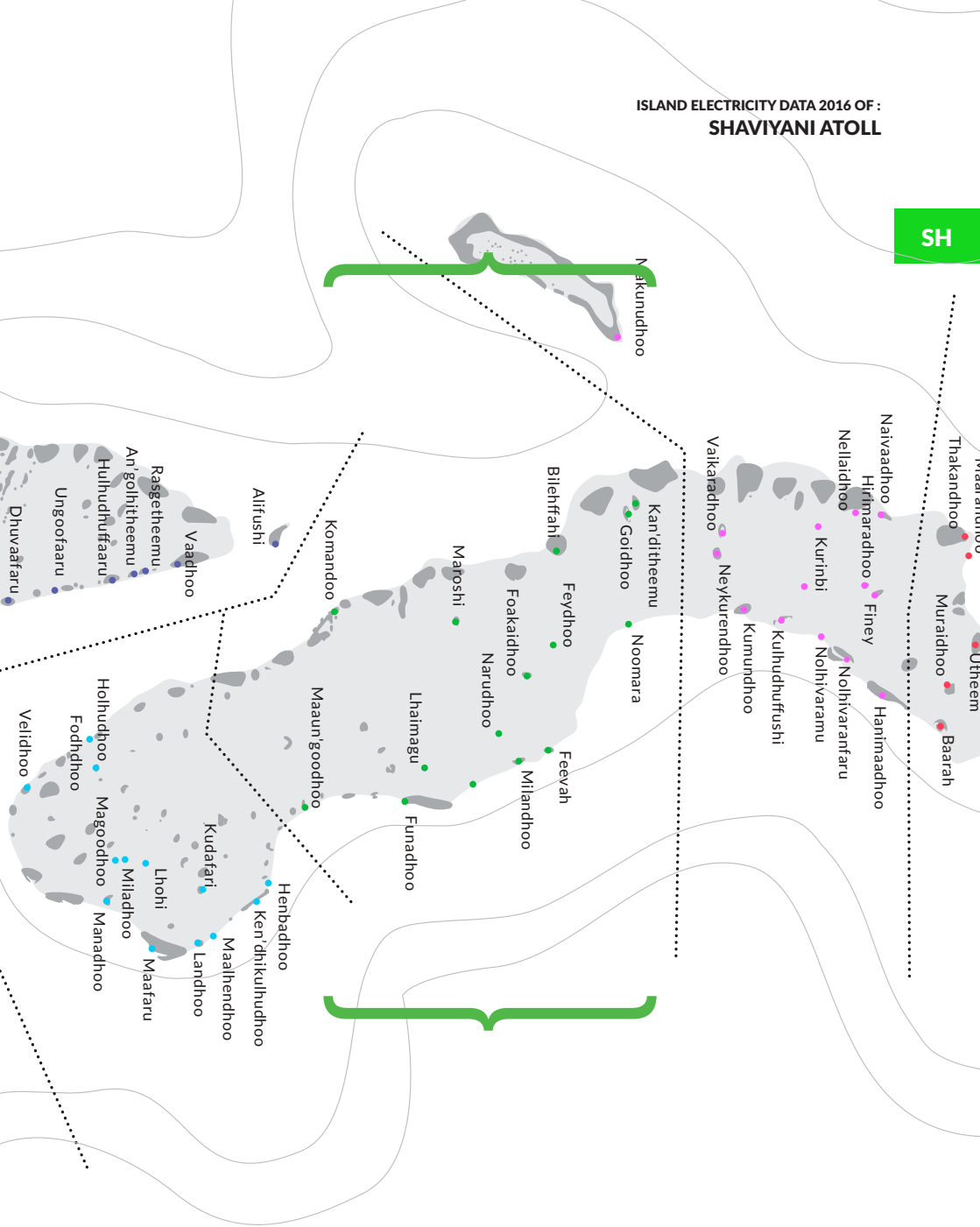
HDH

Population	785
Area of Island (km ²)	1.08
Distance from Male' (km)	270.4
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	167
Peak load time	12:30
Installed Capacity (kW)	530
Installed Generator sets (kW)	250,160,120
Monthly Average Usage (kWh)	61344.00
Yearly electricity production (kWh)	736,128.00
Yearly Oil Consumption (L)	270,940.00
Yearly Lube Oil Consumption (L)	1,192.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	721.35



ISLAND ELECTRICITY DATA 2016 OF :
SHAVIYANI ATOLL

SH



SH. BILEHFFAHI

SH

Population	506
Area of Island (km ²)	0.63
Distance from Male' (km)	246.5
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	69
Peak load time	12:00
Installed Capacity (kW)	302
Installed Generator sets (kW)	48,80,112,34,28
Monthly Average Usage (kWh)	34722.00
Yearly electricity production (kWh)	416,664.00
Yearly Oil Consumption (L)	149,297.00
Yearly Lube Oil Consumption (L)	1,136.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2009
Distribution Cable size (mm ²)	16,25,35,50
CO ₂ emission (tCO ₂)	397.49



Population	660
Area of Island (km ²)	0.86
Distance from Male' (km)	243
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	135
Peak load time	13:00
Installed Capacity (kW)	421
Installed Generator sets (kW)	113,128,180
Monthly Average Usage (kWh)	39186.42
Yearly electricity production (kWh)	470,237.00
Yearly Oil Consumption (L)	203,966.00
Yearly Lube Oil Consumption (L)	891.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	543.04

SH



SH. FEYDHOO

SH

Population	741
Area of Island (km ²)	0.91
Distance from Male' (km)	248
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	132
Peak load time	12:30
Installed Capacity (kW)	408
Installed Generator sets (kW)	160,128,120
Monthly Average Usage (kWh)	54737.53
Yearly electricity production (kWh)	656,850.40
Yearly Oil Consumption (L)	225,025.00
Yearly Lube Oil Consumption (L)	967.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2004
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	599.11



Population	1360
Area of Island (km ²)	0.69
Distance from Male' (km)	240.6
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	280
Peak load time	12:30
Installed Capacity (kW)	700
Installed Generator sets (kW)	250,200,250
Monthly Average Usage (kWh)	99271.50
Yearly electricity production (kWh)	1,191,258.00
Yearly Oil Consumption (L)	379,019.00
Yearly Lube Oil Consumption (L)	1,661.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1996
Distribution Cable size (mm ²)	6, 16, 25
CO ₂ emission (tCO ₂)	1009.10

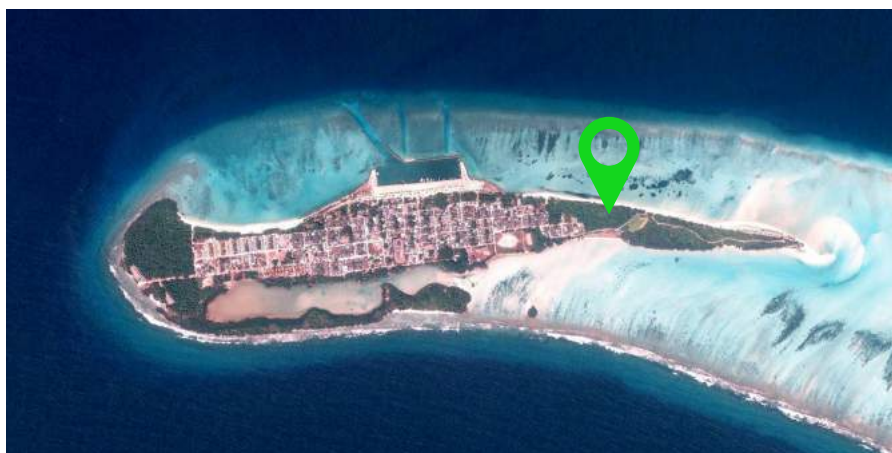
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SH. FUNADHOO

SH

Population	2099
Area of Island (km ²)	0.91
Distance from Male' (km)	218
Nearest Airport	Ifuru Airport
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	415
Peak load time	12:20
Installed Capacity (kW)	1050
Installed Generator sets (kW)	400,400,250
Monthly Average Usage (kWh)	94757.00
Yearly electricity production (kWh)	1,137,084.00
Yearly Oil Consumption (L)	702,541.00
Yearly Lube Oil Consumption (L)	1,686.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2012
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 90,150
CO ₂ emission (tCO ₂)	1870.45



Population	520
Area of Island (km ²)	0.99
Distance from Male' (km)	258.2
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	108
Peak load time	12:00
Installed Capacity (kW)	200
Installed Generator sets (kW)	80,120
Monthly Average Usage (kWh)	41787.08
Yearly electricity production (kWh)	501,445.00
Yearly Oil Consumption (L)	168,342.00
Yearly Lube Oil Consumption (L)	657.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2005
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	448.19

SH



SH. KAN'DITHEEMU

SH

Population	1101
Area of Island (km ²)	0.88
Distance from Male' (km)	258.7
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	212
Peak load time	20:00
Installed Capacity (kW)	486
Installed Generator sets (kW)	250,236
Monthly Average Usage (kWh)	90242.50
Yearly electricity production (kWh)	1,082,910.00
Yearly Oil Consumption (L)	290,345.00
Yearly Lube Oil Consumption (L)	1,287.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25,
CO ₂ emission (tCO ₂)	773.01



Population	1112
Area of Island (km ²)	0.10
Distance from Male' (km)	213.4
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	307
Peak load time	12:30
Installed Capacity (kW)	660
Installed Generator sets (kW)	250,160,250
Monthly Average Usage (kWh)	99838.92
Yearly electricity production (kWh)	1,198,067.00
Yearly Oil Consumption (L)	388,507.00
Yearly Lube Oil Consumption (L)	1,620.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16,25,35
CO ₂ emission (tCO ₂)	1034.36

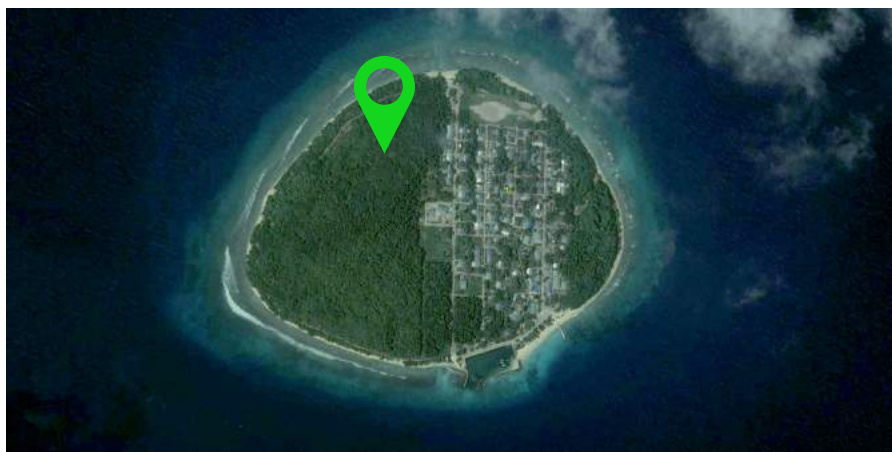
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SH. LHAIMAGU

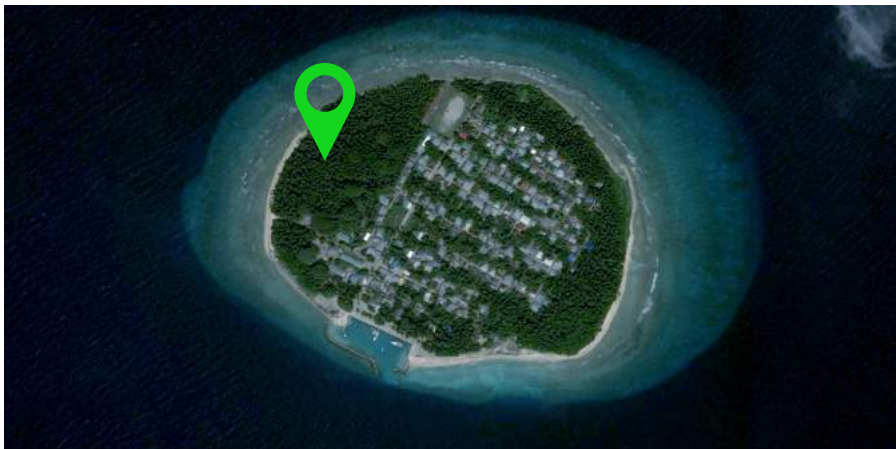
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Population	613
Area of Island (km ²)	0.44
Distance from Male' (km)	222.4
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	121
Peak load time	12:30
Installed Capacity (kW)	272
Installed Generator sets (kW)	112,160
Monthly Average Usage (kWh)	51449.71
Yearly electricity production (kWh)	617,396.50
Yearly Oil Consumption (L)	176,399.00
Yearly Lube Oil Consumption (L)	654.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2002
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	469.64



Population	792
Area of Island (km ²)	0.29
Distance from Male' (km)	207.2
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	145
Peak load time	12:00
Installed Capacity (kW)	360
Installed Generator sets (kW)	160,200
Monthly Average Usage (kWh)	58900.00
Yearly electricity production (kWh)	706,800.00
Yearly Oil Consumption (L)	225,048.00
Yearly Lube Oil Consumption (L)	1,047.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2003
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	599.17

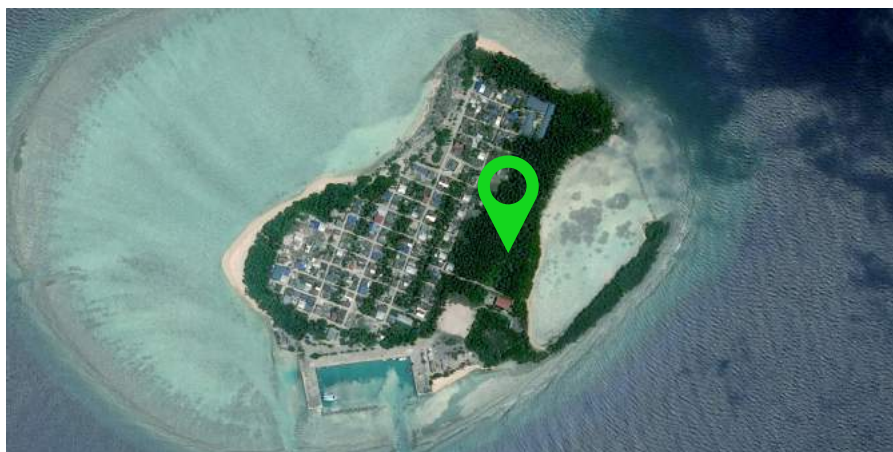
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SH. MAROSHI

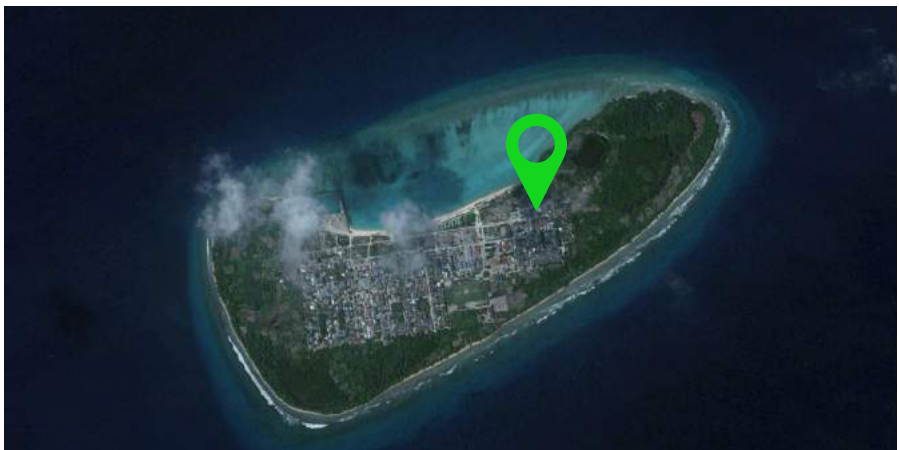
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Population	443
Area of Island (km ²)	0.31
Distance from Male' (km)	231.3
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	100
Peak load time	12:00
Installed Capacity (kW)	240
Installed Generator sets (kW)	80,80,80
Monthly Average Usage (kWh)	39084.42
Yearly electricity production (kWh)	469,013.00
Yearly Oil Consumption (L)	181,288.00
Yearly Lube Oil Consumption (L)	896.50
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)	482.66



Population	1889
Area of Island (km ²)	1.31
Distance from Male' (km)	235.2
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	394
Peak load time	12:00
Installed Capacity (kW)	1002
Installed Generator sets (kW)	250,252,500
Monthly Average Usage (kWh)	166740.00
Yearly electricity production (kWh)	2,000,880.00
Yearly Oil Consumption (L)	611,699.00
Yearly Lube Oil Consumption (L)	2,252.00
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)	1628.59

SH



SH. NARUDHOO

SH

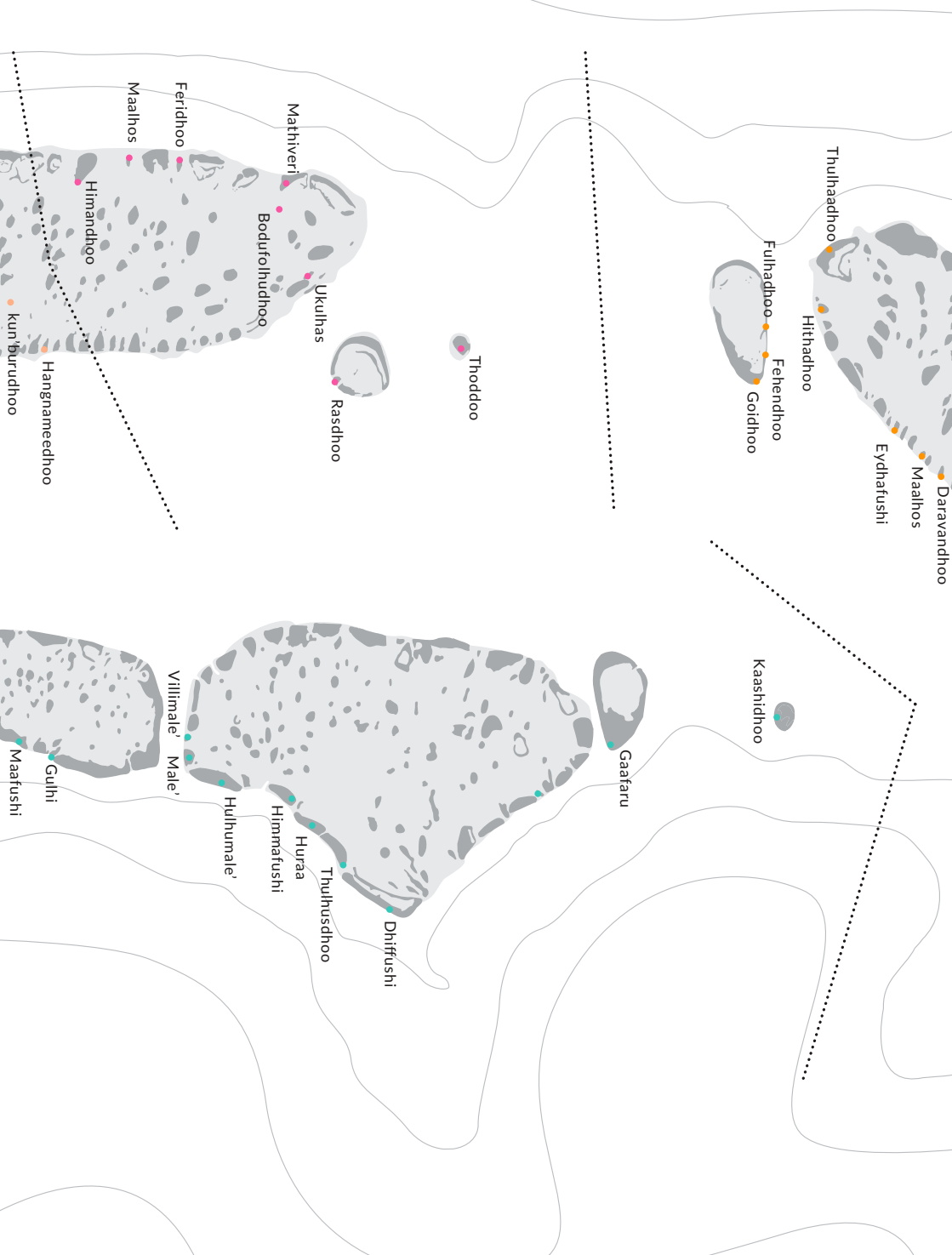
Population	490
Area of Island (km ²)	0.43
Distance from Male' (km)	233.9
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	66
Peak load time	10:30
Installed Capacity (kW)	190
Installed Generator sets (kW)	60,50,80
Monthly Average Usage (kWh)	24894.50
Yearly electricity production (kWh)	298,734.00
Yearly Oil Consumption (L)	102,356.00
Yearly Lube Oil Consumption (L)	690.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1999
Distribution Cable size (mm ²)	44
CO ₂ emission (tCO ₂)	272.51



Population	343
Area of Island (km ²)	0.41
Distance from Male' (km)	255
Nearest Airport	Hanimaadhoo International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	45
Peak load time	19:30
Installed Capacity (kW)	148
Installed Generator sets (kW)	100,48
Monthly Average Usage (kWh)	18809.88
Yearly electricity production (kWh)	225,718.50
Yearly Oil Consumption (L)	92,130.00
Yearly Lube Oil Consumption (L)	386.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1996
Distribution Cable size (mm ²)	6
CO ₂ emission (tCO ₂)	245.29

SH





Daravandhoo

Maalhoo

Eydhaafushi

Thuhhaadhoo

Hithadhoo

Fuhadhoo

Fehendhoo

Goldhoo

Thoiidoo

Rasdhoo

Ukulhas

Bodufolhudhoo

Mathiveri

Feridhoo

Maalhoo

Himandhoo

Hangnameedhoo

kunburudhoo

Kaashidhoo

Gaafaru

Villimale' Male'

Dhiffushi

Thulhusdhoo

Hulhumale'

Himmarfushi

Huraa

Gulhi

Maafushi

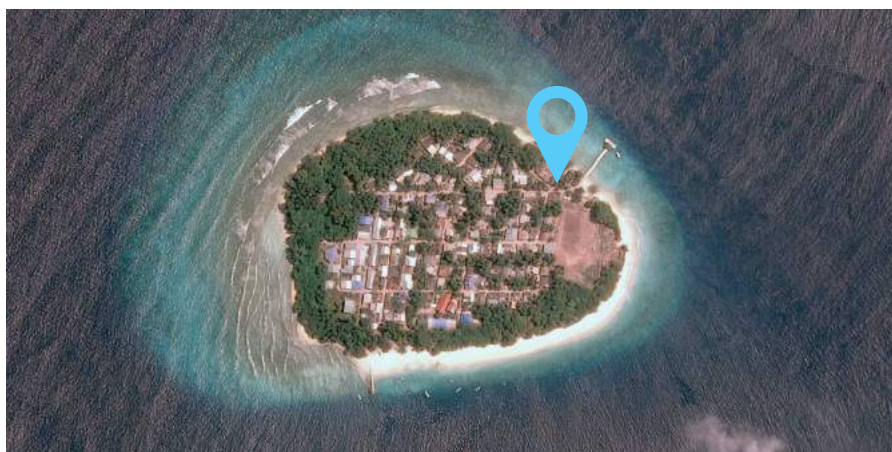
N. FODHDHOO

Population	228
Area of Island (km ²)	0.27
Distance from Male' (km)	175.4
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	56
Peak load time	12:30
Installed Capacity (kW)	186
Installed Generator sets (kW)	100,38,48
Monthly Average Usage (kWh)	16575.17
Yearly electricity production (kWh)	198,902.00
Yearly Oil Consumption (L)	92,023.00
Yearly Lube Oil Consumption (L)	745.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2011
Distribution Cable size (mm ²)	6, 65
CO ₂ emission (tCO ₂)	245.00



Population	497
Area of Island (km ²)	0.14
Distance from Male' (km)	198.5
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	88
Peak load time	12:00
Installed Capacity (kW)	166
Installed Generator sets (kW)	50,64,52
Monthly Average Usage (kWh)	27830.83
Yearly electricity production (kWh)	333,970.00
Yearly Oil Consumption (L)	164,248.00
Yearly Lube Oil Consumption (L)	785.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1996
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	437.29

N



N. HOLHUDHOO

Population	1682
Area of Island (km ²)	0.20
Distance from Male' (km)	178.2
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	395
Peak load time	12:00
Installed Capacity (kW)	670
Installed Generator sets (kW)	250,300,120
Monthly Average Usage (kWh)	143677.25
Yearly electricity production (kWh)	1,724,127.00
Yearly Oil Consumption (L)	561,976.00
Yearly Lube Oil Consumption (L)	2,711.00
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)	1496.20



N. KEN'DHIKULHUDHOO

Population	1331
Area of Island (km ²)	2.08
Distance from Male' (km)	196.7
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	276
Peak load time	12:00
Installed Capacity (kW)	480
Installed Generator sets (kW)	150,180,150
Monthly Average Usage (kWh)	107059.75
Yearly electricity production (kWh)	1,284,716.96
Yearly Oil Consumption (L)	441,678.00
Yearly Lube Oil Consumption (L)	1,379.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2009
Distribution Cable size (mm ²)	35,50,95,120
CO ₂ emission (tCO ₂)	1175.92

N



N. KUDAFARI

Population	480
Area of Island (km ²)	0.29
Distance from Male' (km)	189.3
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	108
Peak load time	19:30
Installed Capacity (kW)	298
Installed Generator sets (kW)	80,58,160
Monthly Average Usage (kWh)	44738.42
Yearly electricity production (kWh)	536,861.00
Yearly Oil Consumption (L)	181,712.73
Yearly Lube Oil Consumption (L)	783.27
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2006
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	483.79



Population	668
Area of Island (km ²)	0.87
Distance from Male' (km)	188.9
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	164
Peak load time	12:00
Installed Capacity (kW)	78
Installed Generator sets (kW)	30,48
Monthly Average Usage (kWh)	49644.65
Yearly electricity production (kWh)	595,735.82
Yearly Oil Consumption (L)	253,496.73
Yearly Lube Oil Consumption (L)	1,176.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	674.91

N



N. LHOHI

Population	611
Area of Island (km ²)	0.40
Distance from Male' (km)	182.1
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	131
Peak load time	12:00
Installed Capacity (kW)	240
Installed Generator sets (kW)	80,80,80
Monthly Average Usage (kWh)	35206.08
Yearly electricity production (kWh)	422,473.00
Yearly Oil Consumption (L)	179,667.00
Yearly Lube Oil Consumption (L)	823.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1997
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	478.35



Population	616
Area of Island (km ²)	1.31
Distance from Male' (km)	181.5
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	135
Peak load time	12:00
Installed Capacity (kW)	246
Installed Generator sets (kW)	30,160,56
Monthly Average Usage (kWh)	53829.25
Yearly electricity production (kWh)	645,951.00
Yearly Oil Consumption (L)	206,278.00
Yearly Lube Oil Consumption (L)	849.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	50
CO ₂ emission (tCO ₂)	549.19

N



N. MAALHENDHOO

Population	667
Area of Island (km ²)	0.48
Distance from Male' (km)	190.9
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	88
Peak load time	20:00
Installed Capacity (kW)	210
Installed Generator sets (kW)	50,80,80
Monthly Average Usage (kWh)	42960.98
Yearly electricity production (kWh)	515,531.73
Yearly Oil Consumption (L)	157,983.00
Yearly Lube Oil Consumption (L)	891.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1998
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	420.61



Population	258
Area of Island (km ²)	0.37
Distance from Male' (km)	178.5
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	136
Peak load time	11:00
Installed Capacity (kW)	78
Installed Generator sets (kW)	30,48
Monthly Average Usage (kWh)	43305.33
Yearly electricity production (kWh)	519,664.00
Yearly Oil Consumption (L)	163,249.00
Yearly Lube Oil Consumption (L)	1,232.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2010
Distribution Cable size (mm ²)	50
CO ₂ emission (tCO ₂)	434.63

N



N. MANADHOO

Population	1408
Area of Island (km ²)	1.07
Distance from Male' (km)	176.3
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	493
Peak load time	12:00
Installed Capacity (kW)	1160
Installed Generator sets (kW)	160,400,600
Monthly Average Usage (kWh)	168333.17
Yearly electricity production (kWh)	2,019,998.00
Yearly Oil Consumption (L)	641,308.00
Yearly Lube Oil Consumption (L)	2,313.00
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)	1707.42



Population	809
Area of Island (km ²)	0.22
Distance from Male' (km)	180.4
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	134
Peak load time	12:00
Installed Capacity (kW)	380
Installed Generator sets (kW)	200,180
Monthly Average Usage (kWh)	49558.33
Yearly electricity production (kWh)	594,700.00
Yearly Oil Consumption (L)	213,482.00
Yearly Lube Oil Consumption (L)	1,021.09
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2006
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	568.37

N

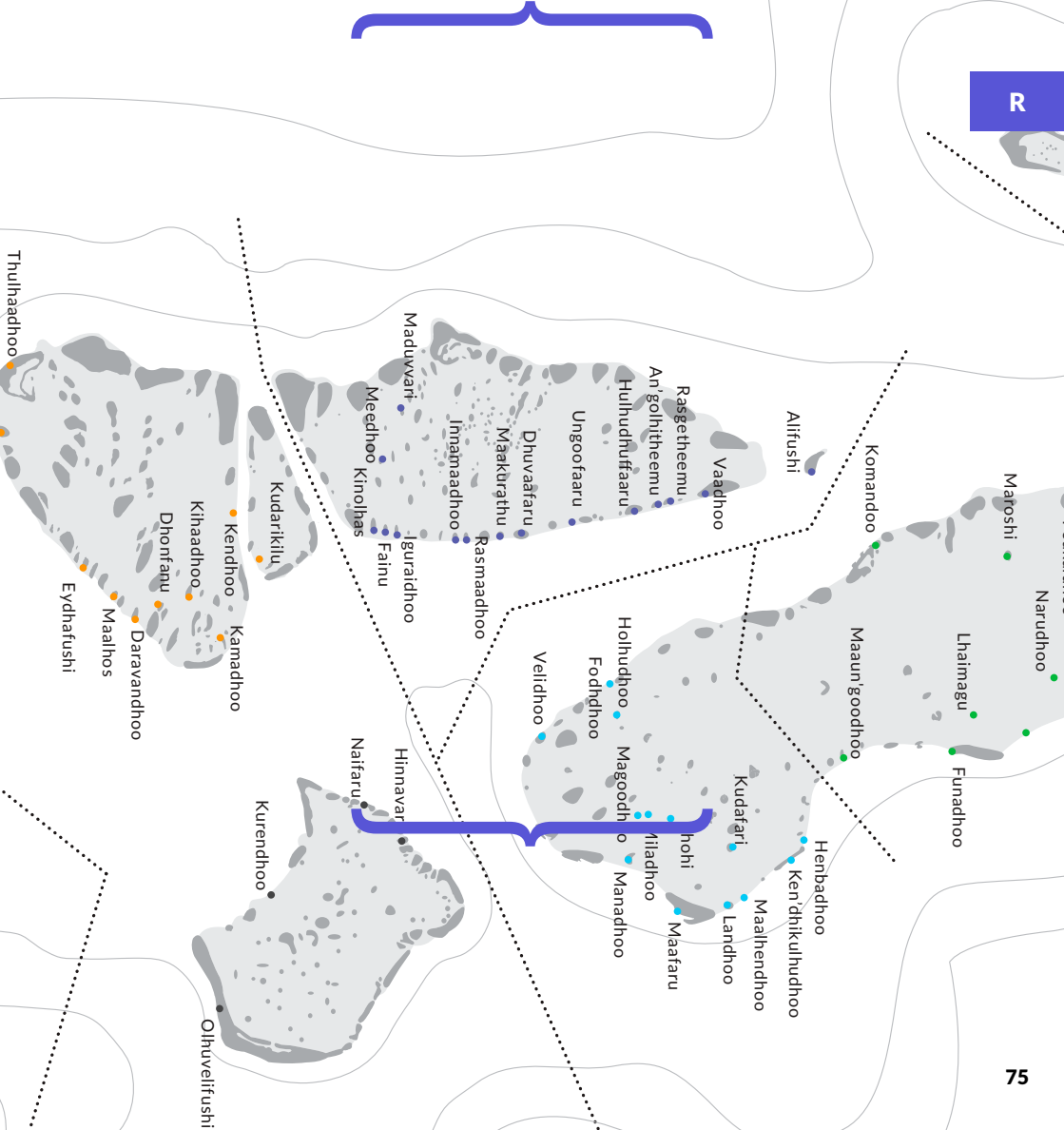


N. VELIDHOO

Population	1987
Area of Island (km ²)	0.44
Distance from Male' (km)	166.9
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	430
Peak load time	12:00
Installed Capacity (kW)	684
Installed Generator sets (kW)	112,160,112,300
Monthly Average Usage (kWh)	183572.17
Yearly electricity production (kWh)	2,202,866.00
Yearly Oil Consumption (L)	722,868.00
Yearly Lube Oil Consumption (L)	3,404.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1997
Distribution Cable size (mm ²)	25 to 120
CO ₂ emission (tCO ₂)	1924.56



ISLAND ELECTRICITY DATA 2016 OF :
RAA ATOLL



R. AN'GOLHITHEEMU

Population	400
Area of Island (km ²)	0.39
Distance from Male' (km)	188
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	73
Peak load time	12:30
Installed Capacity (kW)	409
Installed Generator sets (kW)	160,80,169
Monthly Average Usage (kWh)	25062.33
Yearly electricity production (kWh)	300,748.00
Yearly Oil Consumption (L)	134,444.00
Yearly Lube Oil Consumption (L)	1,152.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	357.94



Population	1808
Area of Island (km ²)	0.59
Distance from Male' (km)	206.1
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	340
Peak load time	12:00
Installed Capacity (kW)	1000
Installed Generator sets (kW)	400,600
Monthly Average Usage (kWh)	132688.45
Yearly electricity production (kWh)	1,592,261.39
Yearly Oil Consumption (L)	646,866.54
Yearly Lube Oil Consumption (L)	2,074.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1994
Distribution Cable size (mm ²)	16,25
CO ₂ emission (tCO ₂)	1722.22

R



R. DHUVAAFARU

Population	3018
Area of Island (km ²)	0.50
Distance from Male' (km)	169.3
Nearest Airport	Ifuru Airport
Electricity Provider	MWSC
Daily Peak Load (kW)	478
Peak load time	12:00
Installed Capacity (kW)	1328
Installed Generator sets (kW)	440,888
Monthly Average Usage (kWh)	199081.67
Yearly electricity production (kWh)	2,388,980.00
Yearly Oil Consumption (L)	672,262.00
Yearly Lube Oil Consumption (L)	4,145.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2012
Distribution Cable size (mm ²)	35,70,95,150
CO ₂ emission (tCO ₂)	1789.83



Population	322
Area of Island (km ²)	0.60
Distance from Male' (km)	152.2
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	63
Peak load time	13:30
Installed Capacity (kW)	367
Installed Generator sets (kW)	150,169,48
Monthly Average Usage (kWh)	25327.42
Yearly electricity production (kWh)	303,929.00
Yearly Oil Consumption (L)	113,685.00
Yearly Lube Oil Consumption (L)	757.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	302.67

R



R. HULHUDHUFFAARU

Population	1137
Area of Island (km ²)	0.60
Distance from Male' (km)	184.5
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	185
Peak load time	12:00
Installed Capacity (kW)	620
Installed Generator sets (kW)	120,250,250
Monthly Average Usage (kWh)	85451.92
Yearly electricity production (kWh)	1,025,423.00
Yearly Oil Consumption (L)	355,395.00
Yearly Lube Oil Consumption (L)	1,509.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1994
Distribution Cable size (mm ²)	16,25,35,50,70
CO ₂ emission (tCO ₂)	946.20

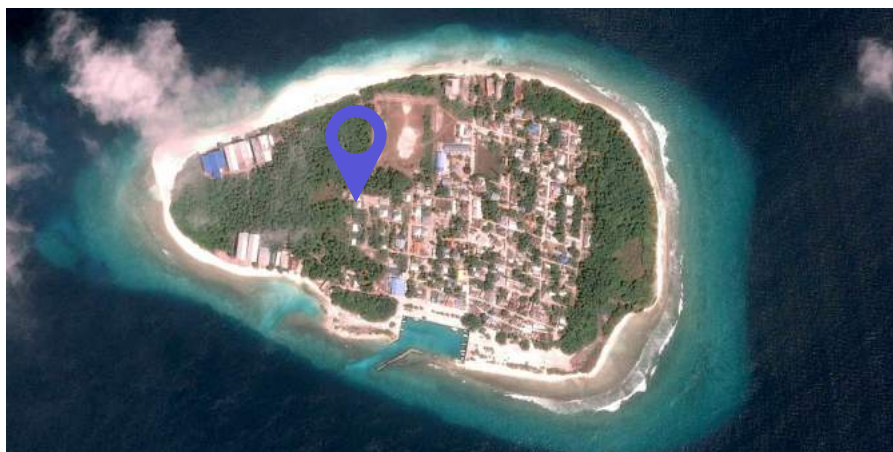


Population	1223
Area of Island (km ²)	0.45
Distance from Male' (km)	152.2
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	250
Peak load time	11:30
Installed Capacity (kW)	530
Installed Generator sets (kW)	250,80,100,100
Monthly Average Usage (kWh)	107603.92
Yearly electricity production (kWh)	1,291,247.01
Yearly Oil Consumption (L)	391,946.00
Yearly Lube Oil Consumption (L)	1,608.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1995
Distribution Cable size (mm ²)	25,35
CO ₂ emission (tCO ₂)	1043.52



R. INNAMAADHOO

Population	570
Area of Island (km ²)	0.34
Distance from Male' (km)	160.4
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	147
Peak load time	19:30
Installed Capacity (kW)	438
Installed Generator sets (kW)	108,250,80
Monthly Average Usage (kWh)	56502.17
Yearly electricity production (kWh)	678,026.00
Yearly Oil Consumption (L)	269,732.00
Yearly Lube Oil Consumption (L)	1,221.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1999
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	718.13



Population	473
Area of Island (km ²)	0.54
Distance from Male' (km)	150.6
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	82
Peak load time	12:00
Installed Capacity (kW)	289
Installed Generator sets (kW)	104,52,48,85
Monthly Average Usage (kWh)	31706.98
Yearly electricity production (kWh)	380,483.75
Yearly Oil Consumption (L)	113,503.00
Yearly Lube Oil Consumption (L)	808.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	10,16,25
CO ₂ emission (tCO ₂)	302.19

R



R. MAAKURATHU

Population	801
Area of Island (km ²)	0.50
Distance from Male' (km)	167.4
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	123
Peak load time	12:00
Installed Capacity (kW)	320
Installed Generator sets (kW)	80,160,80
Monthly Average Usage (kWh)	47181.58
Yearly electricity production (kWh)	566,179.00
Yearly Oil Consumption (L)	187,280.00
Yearly Lube Oil Consumption (L)	681.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2006
Distribution Cable size (mm ²)	16,25,35,50,70
CO ₂ emission (tCO ₂)	498.61



Population	1479
Area of Island (km ²)	0.21
Distance from Male' (km)	159.8
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	281
Peak load time	12:00
Installed Capacity (kW)	538
Installed Generator sets (kW)	250,128,160
Monthly Average Usage (kWh)	102854.75
Yearly electricity production (kWh)	1,234,257.00
Yearly Oil Consumption (L)	407,823.00
Yearly Lube Oil Consumption (L)	1,206.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	1085.79



R. MEEDHOO

Population	1661
Area of Island (km ²)	0.35
Distance from Male' (km)	154.1
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	313
Peak load time	12:00
Installed Capacity (kW)	700
Installed Generator sets (kW)	400,150,150
Monthly Average Usage (kWh)	121141.17
Yearly electricity production (kWh)	1,453,694.00
Yearly Oil Consumption (L)	481,399.00
Yearly Lube Oil Consumption (L)	1,414.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2007
Distribution Cable size (mm ²)	70,50,35
CO ₂ emission (tCO ₂)	1281.68



Population	509
Area of Island (km ²)	0.38
Distance from Male' (km)	190.4
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	95
Peak load time	12:00
Installed Capacity (kW)	300
Installed Generator sets (kW)	80,160,60
Monthly Average Usage (kWh)	39685.50
Yearly electricity production (kWh)	476,226.00
Yearly Oil Consumption (L)	155,959.00
Yearly Lube Oil Consumption (L)	1,016.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2003
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	415.23

R



R. RASMAADHOO

Population	512
Area of Island (km ²)	0.26
Distance from Male' (km)	162.2
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	165
Peak load time	12:30
Installed Capacity (kW)	385
Installed Generator sets (kW)	108,200,77
Monthly Average Usage (kWh)	39466.25
Yearly electricity production (kWh)	473,595.00
Yearly Oil Consumption (L)	168,810.00
Yearly Lube Oil Consumption (L)	897.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1985
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	449.44



Population	1503
Area of Island (km ²)	0.34
Distance from Male' (km)	173.3
Nearest Airport	Ifuru Airport
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	610
Peak load time	13:00
Installed Capacity (kW)	1160
Installed Generator sets (kW)	400,256,504
Monthly Average Usage (kWh)	194615.58
Yearly electricity production (kWh)	2,335,386.90
Yearly Oil Consumption (L)	707,693.00
Yearly Lube Oil Consumption (L)	1,768.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2009
Distribution Cable size (mm ²)	35,55,75,95,120
CO ₂ emission (tCO ₂)	1884.16

R



R. VAADHOO

Population	397
Area of Island (km ²)	0.38
Distance from Male' (km)	196.1
Nearest Airport	Ifuru Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	74
Peak load time	12:30
Installed Capacity (kW)	304
Installed Generator sets (kW)	40,104,80,80
Monthly Average Usage (kWh)	31692.42
Yearly electricity production (kWh)	380,309.00
Yearly Oil Consumption (L)	125,294.00
Yearly Lube Oil Consumption (L)	680.38
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2001
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	333.58



ISLAND ELECTRICITY DATA 2016 OF :
BAA ATOLL



B. DHARAVANDHOO

Population	839
Area of Island (km ²)	0.54
Distance from Male' (km)	115.6
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	325
Peak load time	12:00
Installed Capacity (kW)	575
Installed Generator sets (kW)	200,125,250
Monthly Average Usage (kWh)	116836.46
Yearly electricity production (kWh)	1,402,037.51
Yearly Oil Consumption (L)	532,030.00
Yearly Lube Oil Consumption (L)	2,710.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	1416.48



Population	369
Area of Island (km ²)	0.17
Distance from Male' (km)	121.3
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	69
Peak load time	13:00
Installed Capacity (kW)	276
Installed Generator sets (kW)	80,48,68,80
Monthly Average Usage (kWh)	23847.00
Yearly electricity production (kWh)	286,164.00
Yearly Oil Consumption (L)	139,828.00
Yearly Lube Oil Consumption (L)	748.25
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16,25
CO ₂ emission (tCO ₂)	372.28

B



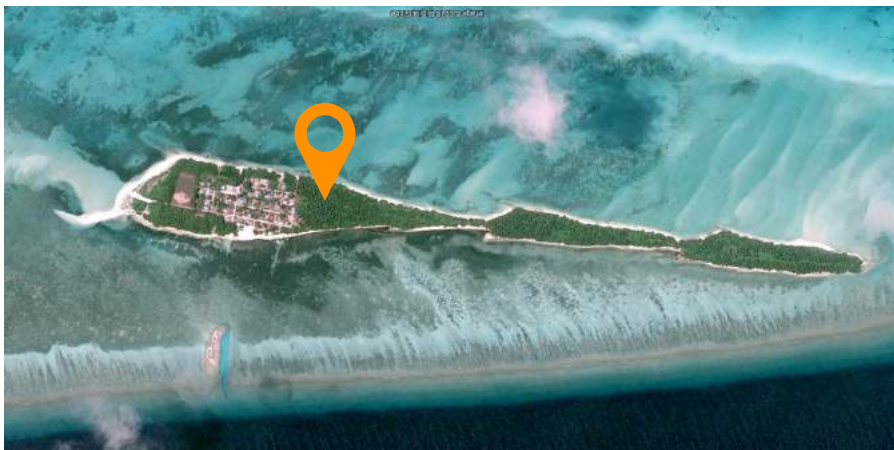
B. EYDHAFUSHI

Population	2626
Area of Island (km ²)	0.31
Distance from Male' (km)	113.3
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	890
Peak load time	14:00
Installed Capacity (kW)	1550
Installed Generator sets (kW)	300,250,600,400
Monthly Average Usage (kWh)	275789.33
Yearly electricity production (kWh)	3,309,472.00
Yearly Oil Consumption (L)	1,119,992.00
Yearly Lube Oil Consumption (L)	4,795.00
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)	2981.87



Population	107
Area of Island (km ²)	0.24
Distance from Male' (km)	98.7
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	0
Peak load time	#N/A
Installed Capacity (kW)	184
Installed Generator sets (kW)	50,30,80,24
Monthly Average Usage (kWh)	14377.78
Yearly electricity production (kWh)	172,533.35
Yearly Oil Consumption (L)	52,282.83
Yearly Lube Oil Consumption (L)	0.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2014
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	139.20

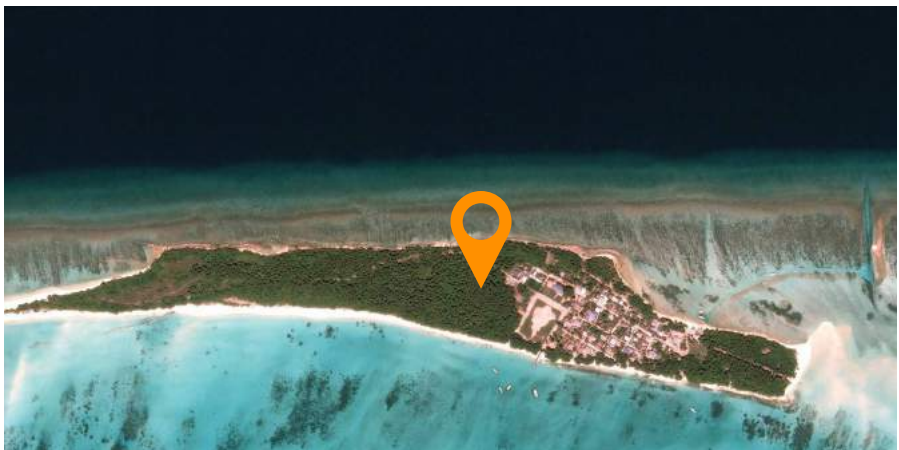
B



B. FULHADHOO

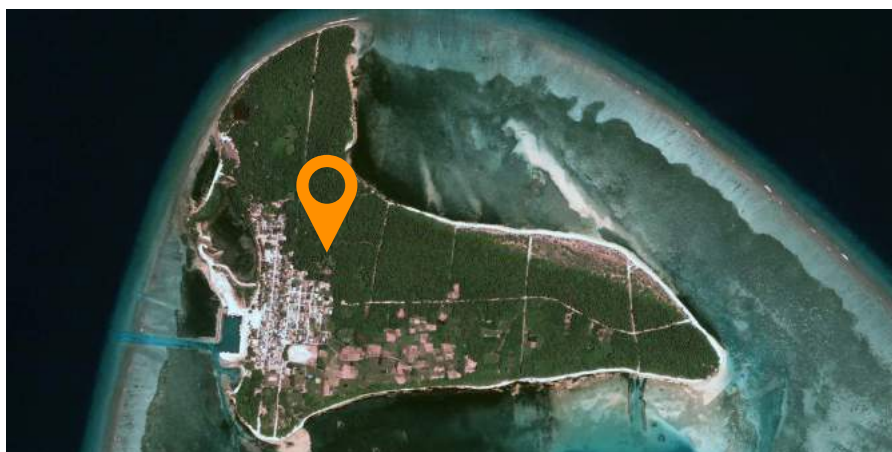
Population	220
Area of Island (km ²)	0.28
Distance from Male' (km)	101.1
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	69
Peak load time	12:00
Installed Capacity (kW)	160
Installed Generator sets (kW)	80,80
Monthly Average Usage (kWh)	19642.92
Yearly electricity production (kWh)	235,715.00
Yearly Oil Consumption (L)	96,325.00
Yearly Lube Oil Consumption (L)	410.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	256.46

B



Population	548
Area of Island (km ²)	1.64
Distance from Male' (km)	96.5
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	136
Peak load time	11:00
Installed Capacity (kW)	510
Installed Generator sets (kW)	160,250,100
Monthly Average Usage (kWh)	44300.58
Yearly electricity production (kWh)	531,607.00
Yearly Oil Consumption (L)	214,950.00
Yearly Lube Oil Consumption (L)	1,232.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	50
CO ₂ emission (tCO ₂)	572.28

B



B. HITHAADHOO

Population	718
Area of Island (km ²)	0.31
Distance from Male' (km)	113
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	125
Peak load time	12:00
Installed Capacity (kW)	405
Installed Generator sets (kW)	145,160,100
Monthly Average Usage (kWh)	48439.75
Yearly electricity production (kWh)	581,277.00
Yearly Oil Consumption (L)	187,815.00
Yearly Lube Oil Consumption (L)	892.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1996
Distribution Cable size (mm ²)	16,35
CO ₂ emission (tCO ₂)	500.04



Population	471
Area of Island (km ²)	0.20
Distance from Male' (km)	129.5
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	133
Peak load time	12:00
Installed Capacity (kW)	360
Installed Generator sets (kW)	180,180
Monthly Average Usage (kWh)	49194.58
Yearly electricity production (kWh)	590,335.00
Yearly Oil Consumption (L)	194,166.00
Yearly Lube Oil Consumption (L)	649.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	516.95

B



B. KENDHOO

Population	868
Area of Island (km ²)	0.18
Distance from Male' (km)	134.3
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	171
Peak load time	12:00
Installed Capacity (kW)	581
Installed Generator sets (kW)	131,200,250
Monthly Average Usage (kWh)	68033.58
Yearly electricity production (kWh)	816,403.00
Yearly Oil Consumption (L)	312,867.00
Yearly Lube Oil Consumption (L)	1,142.00
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)	832.98

B



B. KIHAADHOO

Population	364
Area of Island (km ²)	0.31
Distance from Male' (km)	122.4
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	68
Peak load time	13:00
Installed Capacity (kW)	258
Installed Generator sets (kW)	64,104,90
Monthly Average Usage (kWh)	28150.67
Yearly electricity production (kWh)	337,808.00
Yearly Oil Consumption (L)	119,409.00
Yearly Lube Oil Consumption (L)	537.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	317.91

B



B. KUDARIKILU

Population	429
Area of Island (km ²)	0.19
Distance from Male' (km)	133.7
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	95
Peak load time	12:00
Installed Capacity (kW)	260
Installed Generator sets (kW)	100,160
Monthly Average Usage (kWh)	26448.58
Yearly electricity production (kWh)	317,383.00
Yearly Oil Consumption (L)	138,304.00
Yearly Lube Oil Consumption (L)	672.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1995
Distribution Cable size (mm ²)	16,25,35
CO ₂ emission (tCO ₂)	368.22

B



Population	485
Area of Island (km ²)	0.26
Distance from Male' (km)	114.5
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	143
Peak load time	12:30
Installed Capacity (kW)	208
Installed Generator sets (kW)	128,80
Monthly Average Usage (kWh)	43476.75
Yearly electricity production (kWh)	521,721.00
Yearly Oil Consumption (L)	186,083.00
Yearly Lube Oil Consumption (L)	1,381.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	495.43

B



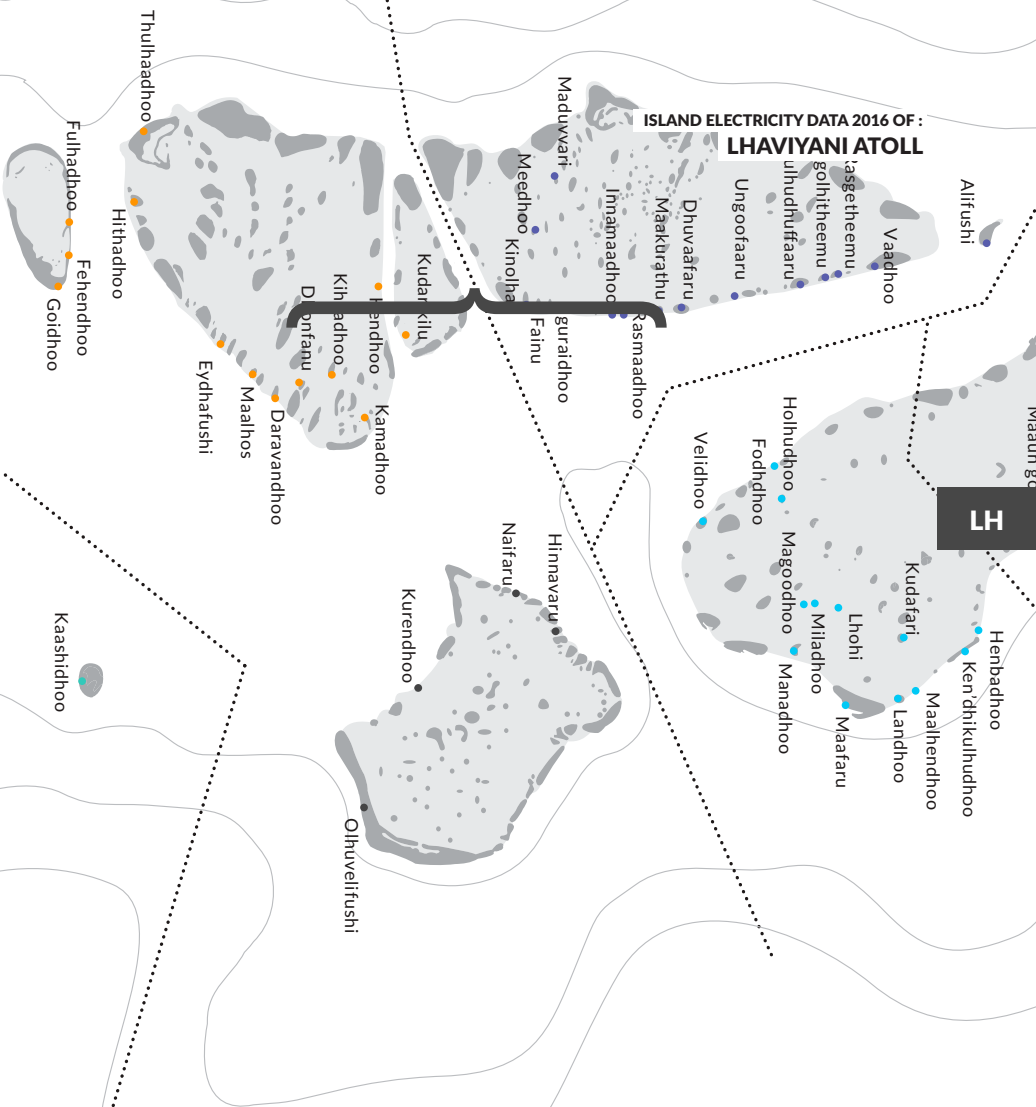
B. THULHAADHOO

Population	1505
Area of Island (km ²)	0.25
Distance from Male' (km)	119.8
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	350
Peak load time	12:00
Installed Capacity (kW)	700
Installed Generator sets (kW)	250,250,200
Monthly Average Usage (kWh)	142116.17
Yearly electricity production (kWh)	1,705,394.00
Yearly Oil Consumption (L)	497,457.00
Yearly Lube Oil Consumption (L)	1,745.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2001
Distribution Cable size (mm ²)	35,50,70,90
CO ₂ emission (tCO ₂)	1324.43

B



ISLAND ELECTRICITY DATA 2016 OF :
LHAVIYANI ATOLL

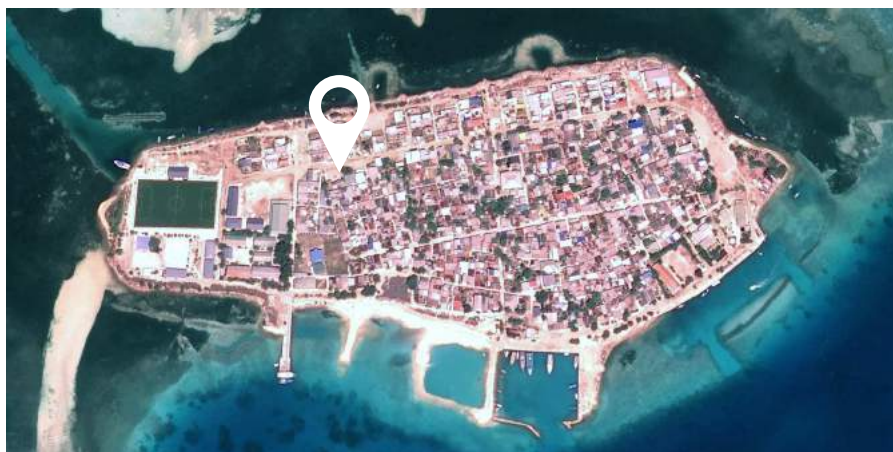


LH

LH. HINNAVARU

Population	2490
Area of Island (km ²)	0.20
Distance from Male' (km)	144.8
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	614
Peak load time	13:00
Installed Capacity (kW)	1060
Installed Generator sets (kW)	200,500,360
Monthly Average Usage (kWh)	239006.75
Yearly electricity production (kWh)	2,868,081.00
Yearly Oil Consumption (L)	1,000,972.36
Yearly Lube Oil Consumption (L)	3,796.91
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2003
Distribution Cable size (mm ²)	16, 35, 50, 75, 95
CO ₂ emission (tCO ₂)	2664.99

LH



Population	1230
Area of Island (km ²)	0.20
Distance from Male' (km)	152
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	296
Peak load time	12:30
Installed Capacity (kW)	704
Installed Generator sets (kW)	150,250,104,200
Monthly Average Usage (kWh)	69421.25
Yearly electricity production (kWh)	833,055.00
Yearly Oil Consumption (L)	472,857.00
Yearly Lube Oil Consumption (L)	2,095.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2002
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	1258.93

LH



LH. NAIFARU

Population	4141
Area of Island (km ²)	0.50
Distance from Male' (km)	141.7
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	931
Peak load time	12:00
Installed Capacity (kW)	2468
Installed Generator sets (kW)	720,300,648,800
Monthly Average Usage (kWh)	353400.50
Yearly electricity production (kWh)	4,240,806.00
Yearly Oil Consumption (L)	1,436,871.27
Yearly Lube Oil Consumption (L)	4,898.18
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)	3825.53

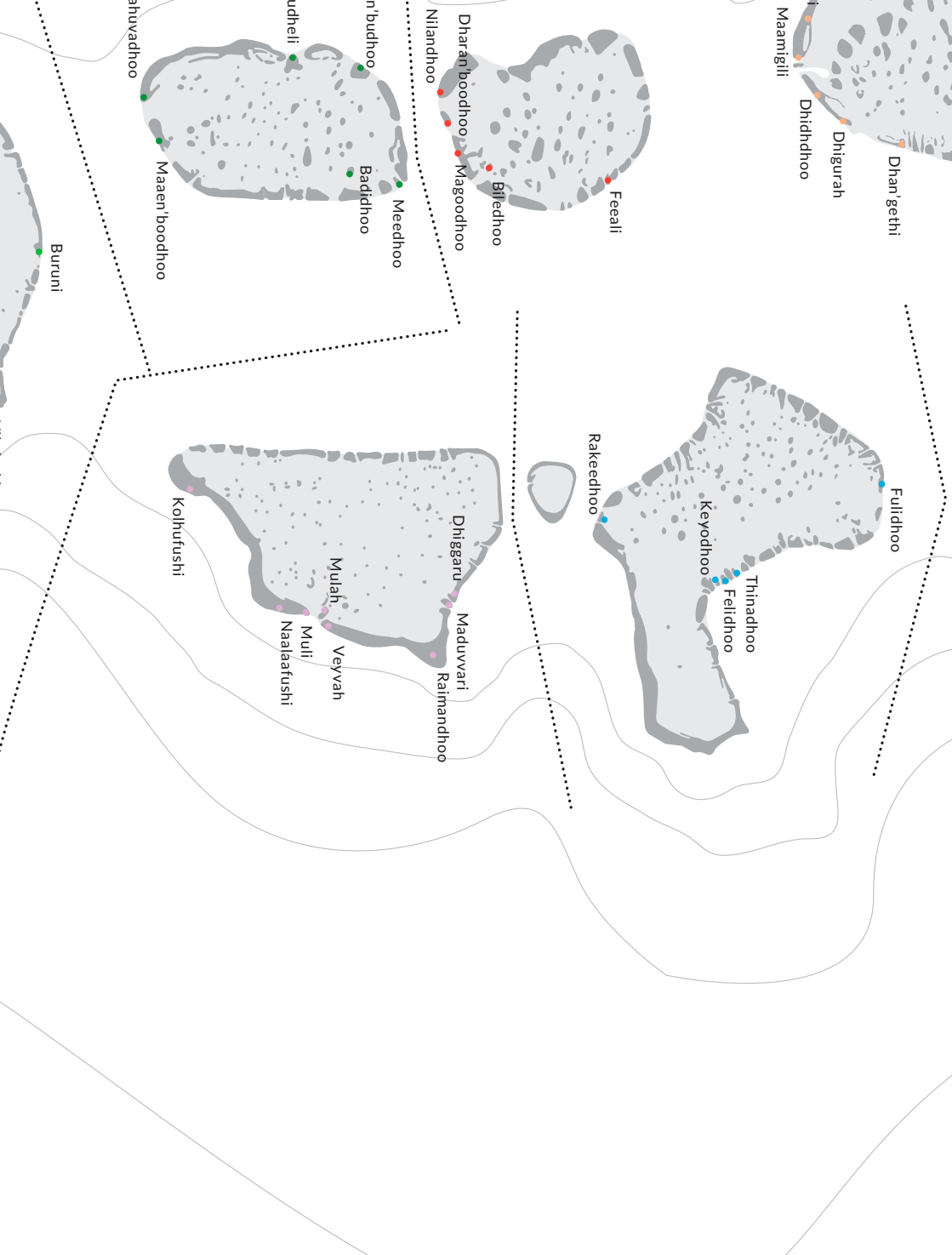


LH. OLUVELIFUSHI

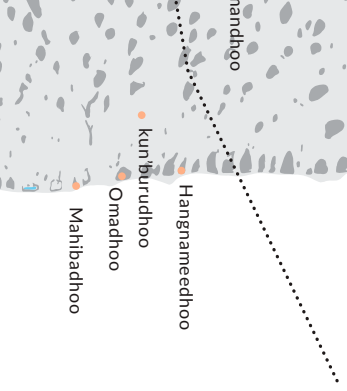
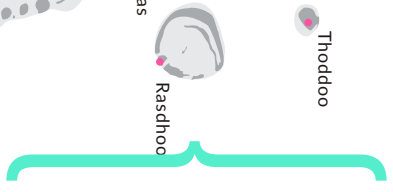
Population	519
Area of Island (km ²)	0.30
Distance from Male' (km)	122.6
Nearest Airport	Dharavandhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	100
Peak load time	12:00
Installed Capacity (kW)	360
Installed Generator sets (kW)	160,100,100
Monthly Average Usage (kWh)	47342.42
Yearly electricity production (kWh)	568,109.00
Yearly Oil Consumption (L)	187,650.00
Yearly Lube Oil Consumption (L)	1,038.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2004
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	499.60

LH

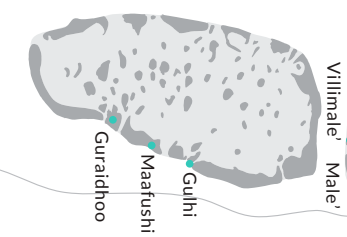




ISLAND ELECTRICITY DATA 2016 OF :
KAAFU ATOLL



K
Kaasimurhoo



K. DHIFFUSHI

Population	1024
Area of Island (km ²)	0.20
Distance from Male' (km)	37
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	296
Peak load time	12:30
Installed Capacity (kW)	665
Installed Generator sets (kW)	201,304,160
Monthly Average Usage (kWh)	108029.44
Yearly electricity production (kWh)	1,296,353.30
Yearly Oil Consumption (L)	355,111.00
Yearly Lube Oil Consumption (L)	1,359.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2015
Distribution Cable size (mm ²)	25,50,70,90
CO ₂ emission (tCO ₂)	945.45



Population	1061
Area of Island (km ²)	0.20
Distance from Male' (km)	61.1
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	276
Peak load time	12:30
Installed Capacity (kW)	610
Installed Generator sets (kW)	300,160,150
Monthly Average Usage (kWh)	100902.73
Yearly electricity production (kWh)	1,210,832.70
Yearly Oil Consumption (L)	371,056.00
Yearly Lube Oil Consumption (L)	900.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2016
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	987.90

K



K. GULHI

Population	893
Area of Island (km ²)	0.10
Distance from Male' (km)	22.2
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	226
Peak load time	13:00
Installed Capacity (kW)	568
Installed Generator sets (kW)	176,264,128
Monthly Average Usage (kWh)	84933.38
Yearly electricity production (kWh)	1,019,200.50
Yearly Oil Consumption (L)	291,767.00
Yearly Lube Oil Consumption (L)	1,098.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2004
Distribution Cable size (mm ²)	35,50
CO ₂ emission (tCO ₂)	776.80



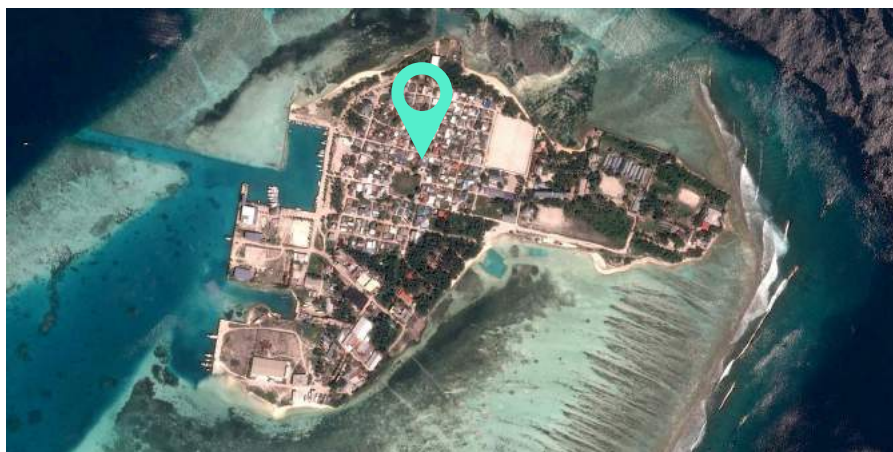
Population	1605
Area of Island (km ²)	0.20
Distance from Male' (km)	32
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	417
Peak load time	12:00
Installed Capacity (kW)	1384
Installed Generator sets (kW)	360,250,184,590
Monthly Average Usage (kWh)	192884.50
Yearly electricity production (kWh)	2,314,614.00
Yearly Oil Consumption (L)	672,107.00
Yearly Lube Oil Consumption (L)	4,297.00
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)	1789.42

K



K. HIMMAFUSHI

Population	1308
Area of Island (km ²)	0.30
Distance from Male' (km)	15.7
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	459
Peak load time	20:00
Installed Capacity (kW)	1240
Installed Generator sets (kW)	200,250,200,590
Monthly Average Usage (kWh)	200312.27
Yearly electricity production (kWh)	2,403,747.20
Yearly Oil Consumption (L)	702,542.00
Yearly Lube Oil Consumption (L)	4,726.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2002
Distribution Cable size (mm ²)	-
CO ₂ emission (tCO ₂)	1870.45



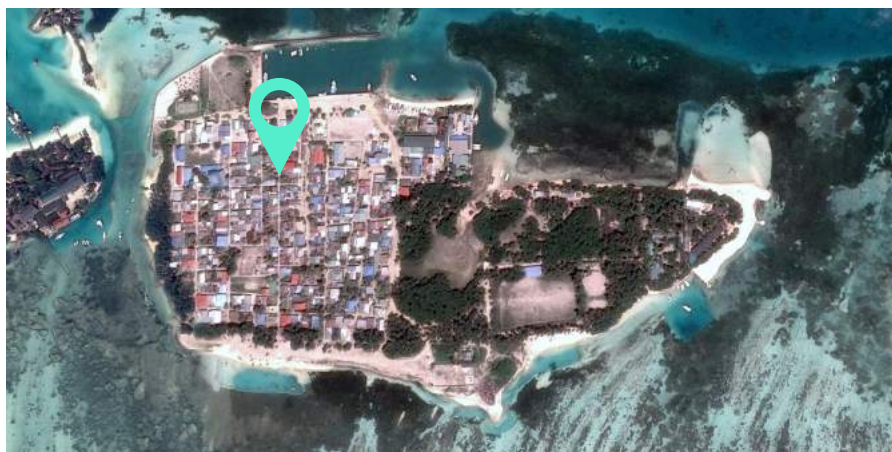
Population	15769
Area of Island (km ²)	2.00
Distance from Male' (km)	4.1
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	6,120
Peak load time	21:00
Installed Capacity (kW)	12200
Installed Generator sets (kW)	800X1, 1000X7, 1200X1, 1600X2
Monthly Average Usage (kWh)	3223895.43
Yearly electricity production (kWh)	38,686,745.12
Yearly Oil Consumption (L)	10,453,827.64
Yearly Lube Oil Consumption (L)	37,136.73
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2003
Distribution Cable size (mm ²)	70,95,120,150,185
CO ₂ emission (tCO ₂)	27832.27

K



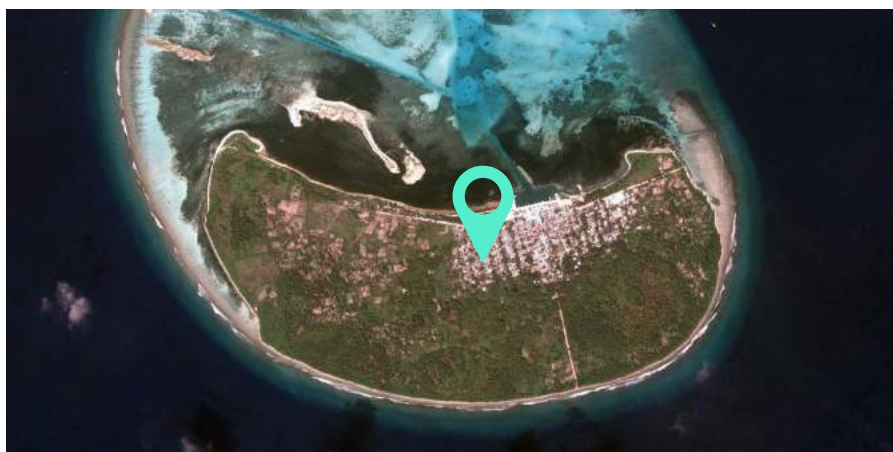
K. HURAA

Population	1142
Area of Island (km ²)	0.30
Distance from Male' (km)	19.1
Nearest Airport	Velana International Airport
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	530
Peak load time	15:00
Installed Capacity (kW)	1170
Installed Generator sets (kW)	360,360,450
Monthly Average Usage (kWh)	220678.42
Yearly electricity production (kWh)	2,648,141.00
Yearly Oil Consumption (L)	778,865.00
Yearly Lube Oil Consumption (L)	3,563.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	20022015
Distribution Cable size (mm ²)	35,95,70,150,185
CO ₂ emission (tCO ₂)	2073.65



Population	1865
Area of Island (km ²)	2.80
Distance from Male' (km)	85.4
Nearest Airport	Dharavandhoo Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	339
Peak load time	12:00
Installed Capacity (kW)	1200
Installed Generator sets (kW)	160,200,250,590
Monthly Average Usage (kWh)	160986.80
Yearly electricity production (kWh)	1,931,841.60
Yearly Oil Consumption (L)	560,362.00
Yearly Lube Oil Consumption (L)	2,782.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2001
Distribution Cable size (mm ²)	25,35,50,70,120
CO ₂ emission (tCO ₂)	1491.91

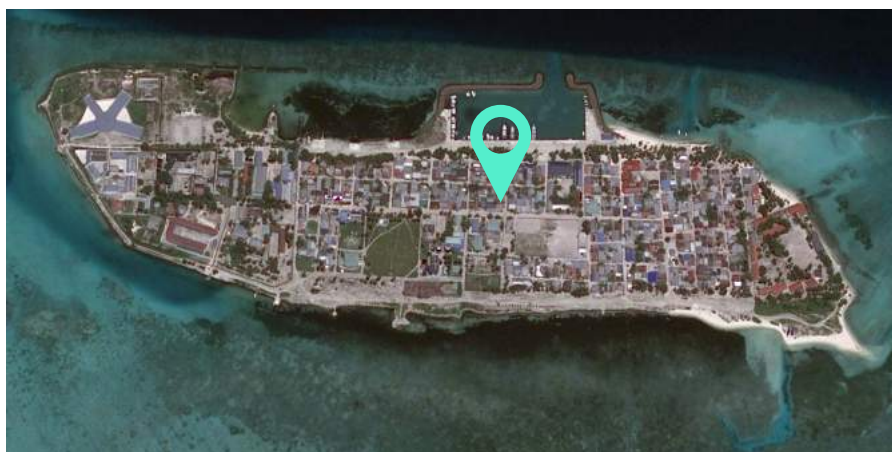
K



K. MAAFUSHI

Population	2692
Area of Island (km ²)	0.40
Distance from Male' (km)	26.1
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	1,250
Peak load time	19:00
Installed Capacity (kW)	3990
Installed Generator sets (kW)	1600,1000,400,400,590
Monthly Average Usage (kWh)	551372.97
Yearly electricity production (kWh)	6,616,475.67
Yearly Oil Consumption (L)	1,842,189.82
Yearly Lube Oil Consumption (L)	5,861.45
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1997
Distribution Cable size (mm ²)	25,35,50,70,95,120
CO ₂ emission (tCO ₂)	4904.65

K



Population	127079
Area of Island (km ²)	1.90
Distance from Male' (km)	0
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	55,230
Peak load time	15:00
Installed Capacity (kW)	72084
Installed Generator sets (kW)	1664X1, 4320x1, 2160x3, 2000X2, 5760x1, 6500x2, 1000x5, 1600x9, 8730x2
Monthly Average Usage (kWh)	27123256.08
Yearly electricity production (kWh)	325,479,073.00
Yearly Oil Consumption (L)	83,063,916.00
Yearly Lube Oil Consumption (L)	302,556.00
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)	221149.37

K



K. THULUSDHOO

Population	1388
Area of Island (km ²)	0.40
Distance from Male' (km)	26.7
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	486
Peak load time	12:30
Installed Capacity (kW)	1170
Installed Generator sets (kW)	200,320,450,200
Monthly Average Usage (kWh)	194054.72
Yearly electricity production (kWh)	2,328,656.60
Yearly Oil Consumption (L)	644,657.39
Yearly Lube Oil Consumption (L)	1,507.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1984
Distribution Cable size (mm ²)	35,95
CO ₂ emission (tCO ₂)	1716.34

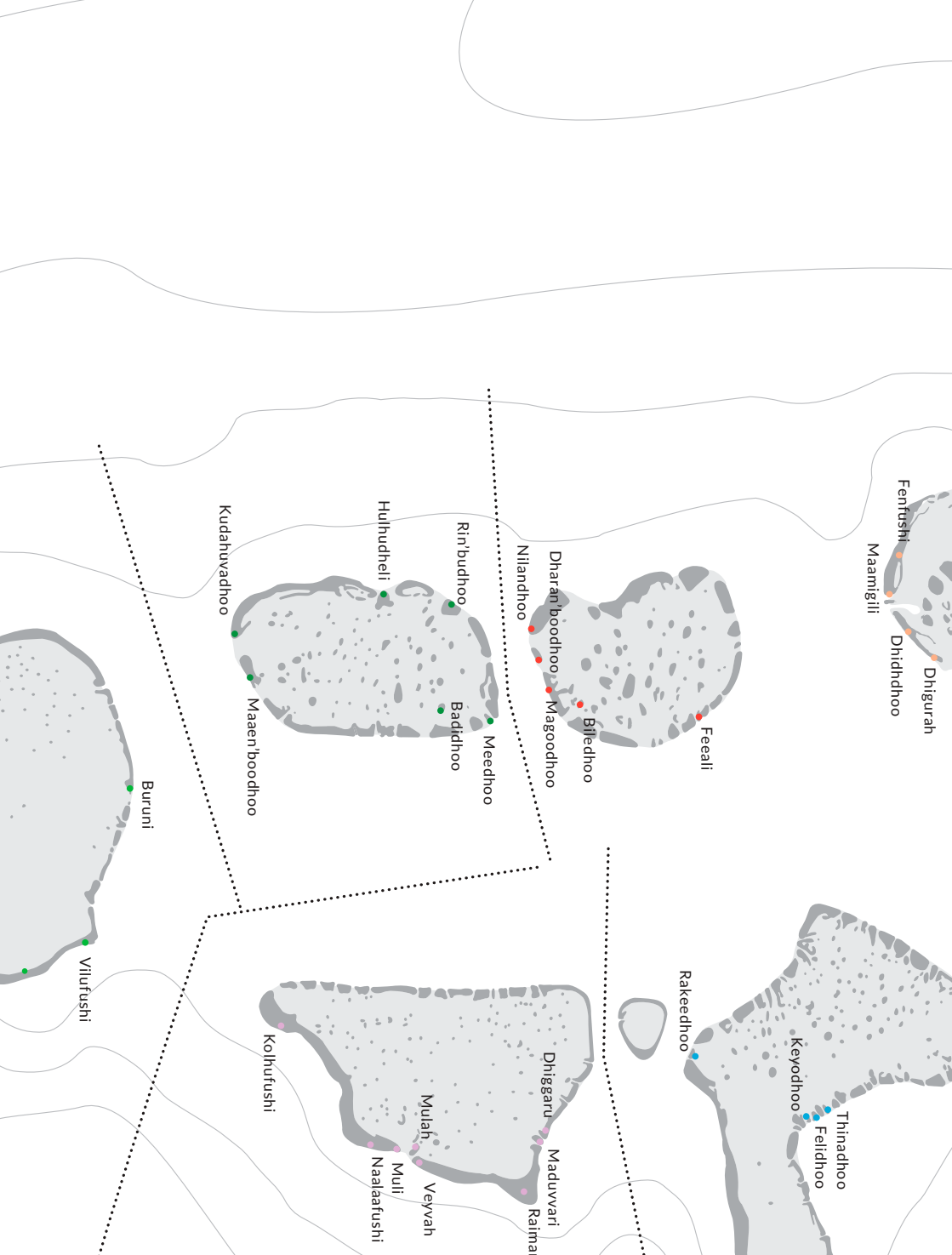
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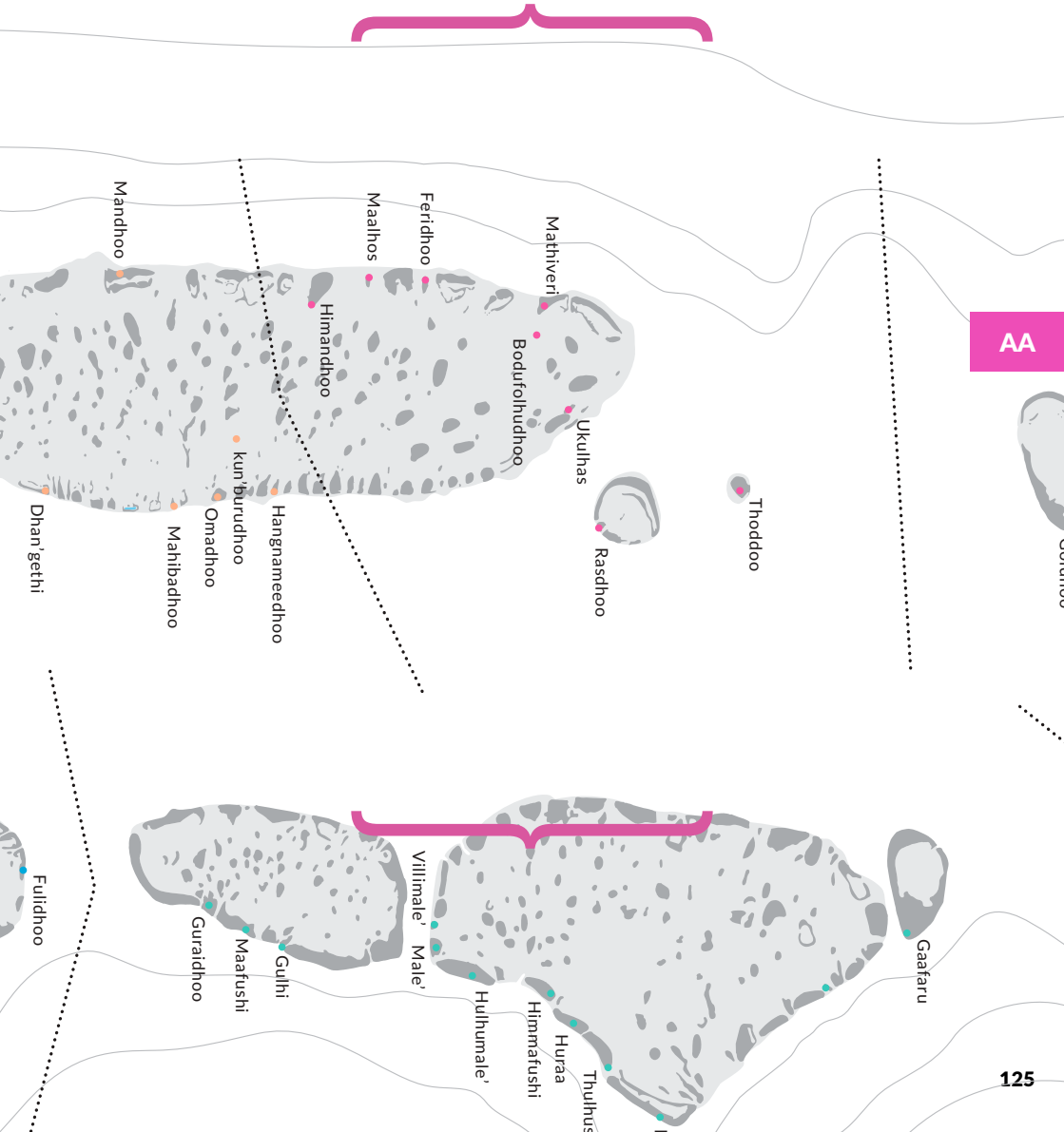
Population	7790
Area of Island (km ²)	0.30
Distance from Male' (km)	3.7
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	2,011
Peak load time	12:30
Installed Capacity (kW)	3400
Installed Generator sets (kW)	1000,1000,1000,400
Monthly Average Usage (kWh)	952619.83
Yearly electricity production (kWh)	11,431,438.00
Yearly Oil Consumption (L)	3,143,311.34
Yearly Lube Oil Consumption (L)	10,669.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16,35,70,95,120,150,185
CO ₂ emission (tCO ₂)	8368.75

K





ISLAND ELECTRICITY DATA 2016 OF :
ALIFU ALIFU ATOLL



AA

AA. BODUFOLHUDDOO

Population	607
Area of Island (km ²)	0.09
Distance from Male' (km)	81.3
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	155
Peak load time	12:00
Installed Capacity (kW)	416
Installed Generator sets (kW)	176,112,128
Monthly Average Usage (kWh)	59449.63
Yearly electricity production (kWh)	713,395.50
Yearly Oil Consumption (L)	195,539.29
Yearly Lube Oil Consumption (L)	689.25
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2001
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	520.60

AA



AA. FERIDHOO

Population	437
Area of Island (km ²)	0.44
Distance from Male' (km)	89.8
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	110
Peak load time	12:30
Installed Capacity (kW)	316
Installed Generator sets (kW)	140,176
Monthly Average Usage (kWh)	47611.38
Yearly electricity production (kWh)	571,336.60
Yearly Oil Consumption (L)	169,096.00
Yearly Lube Oil Consumption (L)	1,158.00
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)	450.20

AA



AA. HIMANDHOO

Population	703
Area of Island (km ²)	0.23
Distance from Male' (km)	90
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	170
Peak load time	12:00
Installed Capacity (kW)	492
Installed Generator sets (kW)	112,160,220
Monthly Average Usage (kWh)	70824.18
Yearly electricity production (kWh)	849,890.10
Yearly Oil Consumption (L)	251,831.00
Yearly Lube Oil Consumption (L)	814.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2016/2003
Distribution Cable size (mm ²)	35,50,70
CO ₂ emission (tCO ₂)	670.47

AA



Population	426
Area of Island (km ²)	0.32
Distance from Male' (km)	91.5
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	142
Peak load time	12:00
Installed Capacity (kW)	396
Installed Generator sets (kW)	80,176,140
Monthly Average Usage (kWh)	52183.60
Yearly electricity production (kWh)	626,203.20
Yearly Oil Consumption (L)	179,407.00
Yearly Lube Oil Consumption (L)	757.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2003
Distribution Cable size (mm ²)	16,35,50,70,95
CO ₂ emission (tCO ₂)	477.65

AA



AA. MATHIVERI

Population	578
Area of Island (km ²)	0.22
Distance from Male' (km)	86.9
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	223
Peak load time	19:00
Installed Capacity (kW)	601
Installed Generator sets (kW)	177,160,184,80
Monthly Average Usage (kWh)	81766.96
Yearly electricity production (kWh)	981,203.49
Yearly Oil Consumption (L)	296,774.00
Yearly Lube Oil Consumption (L)	1,138.10
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	-
Distribution Cable size (mm ²)	35,70
CO ₂ emission (tCO ₂)	790.13

AA



Population	1065
Area of Island (km ²)	0.20
Distance from Male' (km)	58
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	447
Peak load time	13:00
Installed Capacity (kW)	960
Installed Generator sets (kW)	440,520
Monthly Average Usage (kWh)	181844.71
Yearly electricity production (kWh)	2,182,136.50
Yearly Oil Consumption (L)	631,440.00
Yearly Lube Oil Consumption (L)	1,553.45
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2016
Distribution Cable size (mm ²)	25,50
CO ₂ emission (tCO ₂)	1681.15

AA



AA. THODDOO

Population	1320
Area of Island (km ²)	1.73
Distance from Male' (km)	67.8
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	379
Peak load time	13:00
Installed Capacity (kW)	880
Installed Generator sets (kW)	176,320,264,120
Monthly Average Usage (kWh)	157974.03
Yearly electricity production (kWh)	1,895,688.40
Yearly Oil Consumption (L)	536,380.00
Yearly Lube Oil Consumption (L)	1,346.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	16,35
CO ₂ emission (tCO ₂)	1428.06

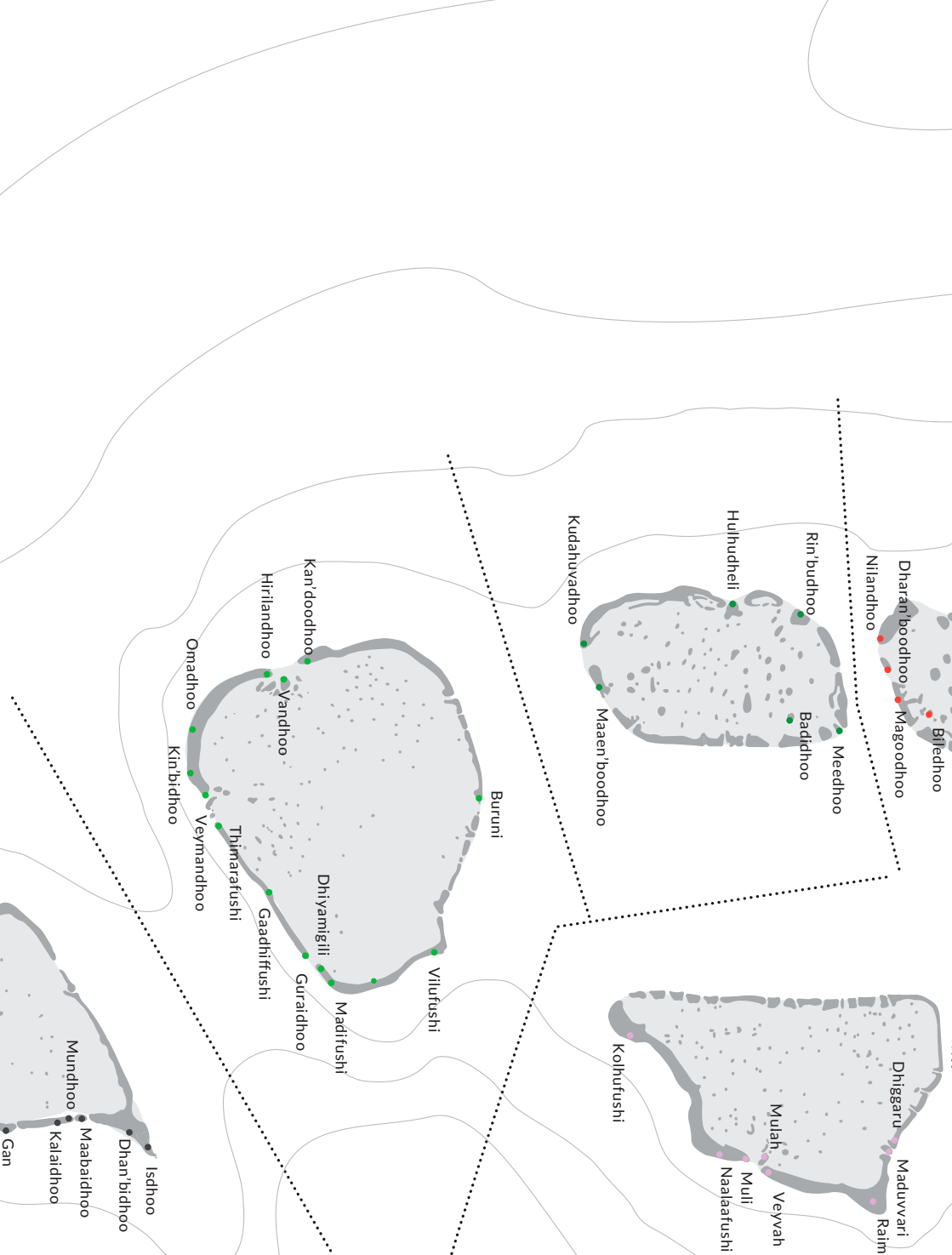
AA



Population	918
Area of Island (km ²)	0.21
Distance from Male' (km)	72
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	245
Peak load time	19:30
Installed Capacity (kW)	612
Installed Generator sets (kW)	112,200,300
Monthly Average Usage (kWh)	115344.08
Yearly electricity production (kWh)	1,384,129.00
Yearly Oil Consumption (L)	355,465.36
Yearly Lube Oil Consumption (L)	1,328.88
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2002
Distribution Cable size (mm ²)	16,25,35,50,70,95
CO ₂ emission (tCO ₂)	946.39

AA





ISLAND ELECTRICITY DATA 2016 OF :
ALIF DHAALU ATOLL



ADH. DHAN'GETHI

Population	827
Area of Island (km ²)	0.25
Distance from Male' (km)	89.1
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	248
Peak load time	13:00
Installed Capacity (kW)	760
Installed Generator sets (kW)	200,400,160
Monthly Average Usage (kWh)	77403.67
Yearly electricity production (kWh)	928,844.00
Yearly Oil Consumption (L)	428,884.71
Yearly Lube Oil Consumption (L)	1,689.60
Synchronizing Panel	No
Type of Synchronizing Panel	Auto
Electricity cable installed year	2002
Distribution Cable size (mm ²)	16, 25, 50, 95
CO ₂ emission (tCO ₂)	1141.86

ADH



Population	156
Area of Island (km ²)	0.55
Distance from Male' (km)	96.9
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	66
Peak load time	12:30
Installed Capacity (kW)	328
Installed Generator sets (kW)	80,72,176
Monthly Average Usage (kWh)	16997.50
Yearly electricity production (kWh)	203,970.00
Yearly Oil Consumption (L)	81,495.00
Yearly Lube Oil Consumption (L)	370.00
Synchronizing Panel	No
Type of Synchronizing Panel	Manual
Electricity cable installed year	2013
Distribution Cable size (mm ²)	16,35,50
CO ₂ emission (tCO ₂)	216.97

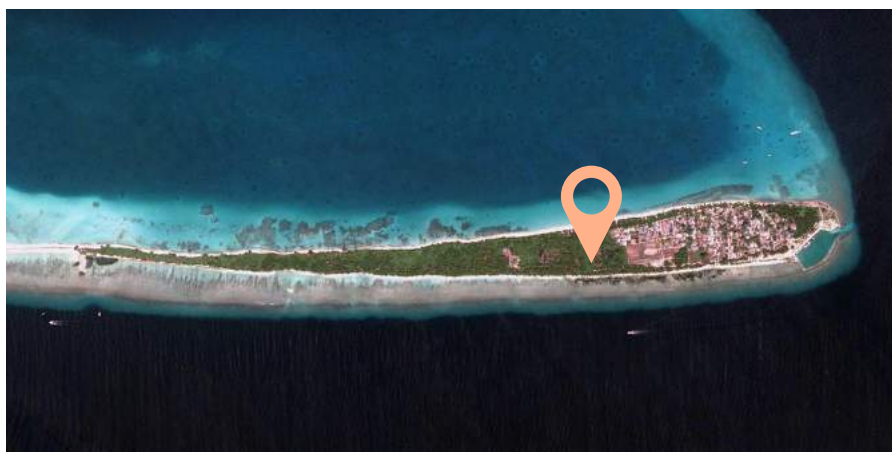
ADH



ADH. DHIGURAH

Population	608
Area of Island (km ²)	0.24
Distance from Male' (km)	104.8
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	196
Peak load time	19:30
Installed Capacity (kW)	681
Installed Generator sets (kW)	177,304,200
Monthly Average Usage (kWh)	78075.37
Yearly electricity production (kWh)	936,904.40
Yearly Oil Consumption (L)	325,326.00
Yearly Lube Oil Consumption (L)	1,195.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2004
Distribution Cable size (mm ²)	16,25,35,50
CO ₂ emission (tCO ₂)	866.15

ADH



Population	836
Area of Island (km ²)	0.20
Distance from Male' (km)	112.6
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	210
Peak load time	12:30
Installed Capacity (kW)	648
Installed Generator sets (kW)	176,264,128,80
Monthly Average Usage (kWh)	82069.43
Yearly electricity production (kWh)	984,833.10
Yearly Oil Consumption (L)	284,107.60
Yearly Lube Oil Consumption (L)	1,159.25
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2014/2002
Distribution Cable size (mm ²)	16,25,35,50,70,120
CO ₂ emission (tCO ₂)	756.41

ADH



ADH. HANGNAAMEEDHOO

Population	501
Area of Island (km ²)	0.21
Distance from Male' (km)	71.3
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	110
Peak load time	12:00
Installed Capacity (kW)	560
Installed Generator sets (kW)	124,100,160,176
Monthly Average Usage (kWh)	50322.74
Yearly electricity production (kWh)	603,872.90
Yearly Oil Consumption (L)	170,912.00
Yearly Lube Oil Consumption (L)	857.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	-
Distribution Cable size (mm ²)	16, 25,35, 50
CO ₂ emission (tCO ₂)	455.04

ADH



ADH. KUN'BURUDHOO

Population	462
Area of Island (km ²)	0.06
Distance from Male' (km)	78.5
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	94
Peak load time	11:30
Installed Capacity (kW)	240.6
Installed Generator sets (kW)	72.6,88,80
Monthly Average Usage (kWh)	39648.73
Yearly electricity production (kWh)	475,784.70
Yearly Oil Consumption (L)	150,356.00
Yearly Lube Oil Consumption (L)	310.00
Synchronizing Panel	yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	16,25
CO ₂ emission (tCO ₂)	400.31

ADH



ADH. MAAMIN'GILI

Population	2315
Area of Island (km ²)	0.75
Distance from Male' (km)	110
Nearest Airport	Maamigili Airport
Electricity Provider	Villa
Daily Peak Load (kW)	1,921
Peak load time	12:00
Installed Capacity (kW)	2580
Installed Generator sets (kW)	1000,800,480,300
Monthly Average Usage (kWh)	346398.92
Yearly electricity production (kWh)	4,156,787.00
Yearly Oil Consumption (L)	1,134,600.00
Yearly Lube Oil Consumption (L)	4,731.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1992
Distribution Cable size (mm ²)	16, 35, 70, 95, 150,300
CO ₂ emission (tCO ₂)	3020.76

ADH



Population	2075
Area of Island (km ²)	0.22
Distance from Male' (km)	77.6
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	578
Peak load time	12:30
Installed Capacity (kW)	1250
Installed Generator sets (kW)	130,400,440,280
Monthly Average Usage (kWh)	196911.99
Yearly electricity production (kWh)	2,362,943.90
Yearly Oil Consumption (L)	823,925.00
Yearly Lube Oil Consumption (L)	2,449.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2015
Distribution Cable size (mm ²)	16,25,35,50,70,120,185
CO ₂ emission (tCO ₂)	2193.62

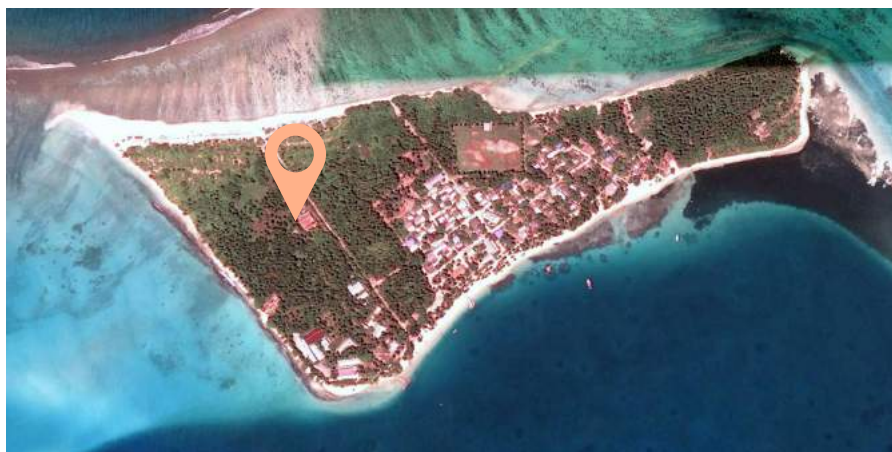
ADH



ADH. MANDHOO

Population	363
Area of Island (km ²)	0.39
Distance from Male' (km)	103.7
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	59
Peak load time	19:30
Installed Capacity (kW)	192
Installed Generator sets (kW)	48,48,48,48
Monthly Average Usage (kWh)	25392.50
Yearly electricity production (kWh)	304,710.00
Yearly Oil Consumption (L)	104,468.65
Yearly Lube Oil Consumption (L)	483.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2002
Distribution Cable size (mm ²)	16,25
CO ₂ emission (tCO ₂)	278.14

ADH



Population	886
Area of Island (km ²)	0.24
Distance from Male' (km)	75.4
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	143
Peak load time	19:00
Installed Capacity (kW)	448
Installed Generator sets (kW)	120,150,178
Monthly Average Usage (kWh)	57227.43
Yearly electricity production (kWh)	686,729.10
Yearly Oil Consumption (L)	204,469.00
Yearly Lube Oil Consumption (L)	924.00
Synchronizing Panel	No
Type of Synchronizing Panel	Manual
Electricity cable installed year	2015
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	544.38

ADH





Kudahuvadhoo

Maen'boodhoo

Buruni

Kan'doodhoo

Vandhoo

Thimarafushi

Omadhoo

Kin'bidhoo

Veymandhoo

Dhiyamigili

Guraidhoo

Gaadhirufushi

Madirufushi

Vitufushi

Kolhurufushi

Maavah

Maamendhoo

Kunahandhoo

Hithadhoo

Foadhoo

Gan

Kalaidhoo

Maabaidhoo

Dhan'bidhoo

Isdhoon

Munnadhoo

ISLAND ELECTRICITY DATA 2016 OF :
VAAVU ATOLL



V. FELIDHOO

Population	516
Area of Island (km ²)	0.14
Distance from Male' (km)	79.6
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	172
Peak load time	13:30
Installed Capacity (kW)	574
Installed Generator sets (kW)	150,120,304
Monthly Average Usage (kWh)	73116.55
Yearly electricity production (kWh)	877,398.60
Yearly Oil Consumption (L)	266,122.00
Yearly Lube Oil Consumption (L)	1,073.20
Synchronizing Panel	No
Type of Synchronizing Panel	Manual
Electricity cable installed year	2004
Distribution Cable size (mm ²)	35, 50, 70
CO ₂ emission (tCO ₂)	708.52

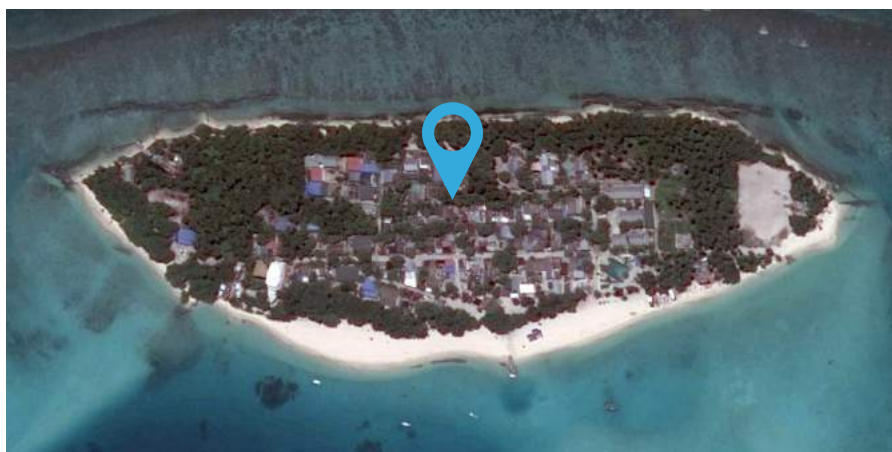
V



V. FULIDHOO

Population	360
Area of Island (km ²)	0.12
Distance from Male' (km)	56.7
Nearest Airport	Velana International Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	103
Peak load time	13:00
Installed Capacity (kW)	328
Installed Generator sets (kW)	128,200
Monthly Average Usage (kWh)	53630.01
Yearly electricity production (kWh)	643,560.10
Yearly Oil Consumption (L)	290,642.42
Yearly Lube Oil Consumption (L)	1,325.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2009
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	773.81

V



V. KEYODHOO

Population	657
Area of Island (km ²)	0.12
Distance from Male' (km)	79.6
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	136
Peak load time	13:30
Installed Capacity (kW)	385
Installed Generator sets (kW)	120,160,105
Monthly Average Usage (kWh)	54839.58
Yearly electricity production (kWh)	658,074.90
Yearly Oil Consumption (L)	193,305.00
Yearly Lube Oil Consumption (L)	941.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25,35
CO ₂ emission (tCO ₂)	514.66

V



Population	84
Area of Island (km ²)	0.06
Distance from Male' (km)	96.5
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	39
Peak load time	20:00
Installed Capacity (kW)	190.6
Installed Generator sets (kW)	68,50,72.6
Monthly Average Usage (kWh)	16418.67
Yearly electricity production (kWh)	197,024.00
Yearly Oil Consumption (L)	55,854.00
Yearly Lube Oil Consumption (L)	627.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	-
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	148.71

V



V. THINADHOO

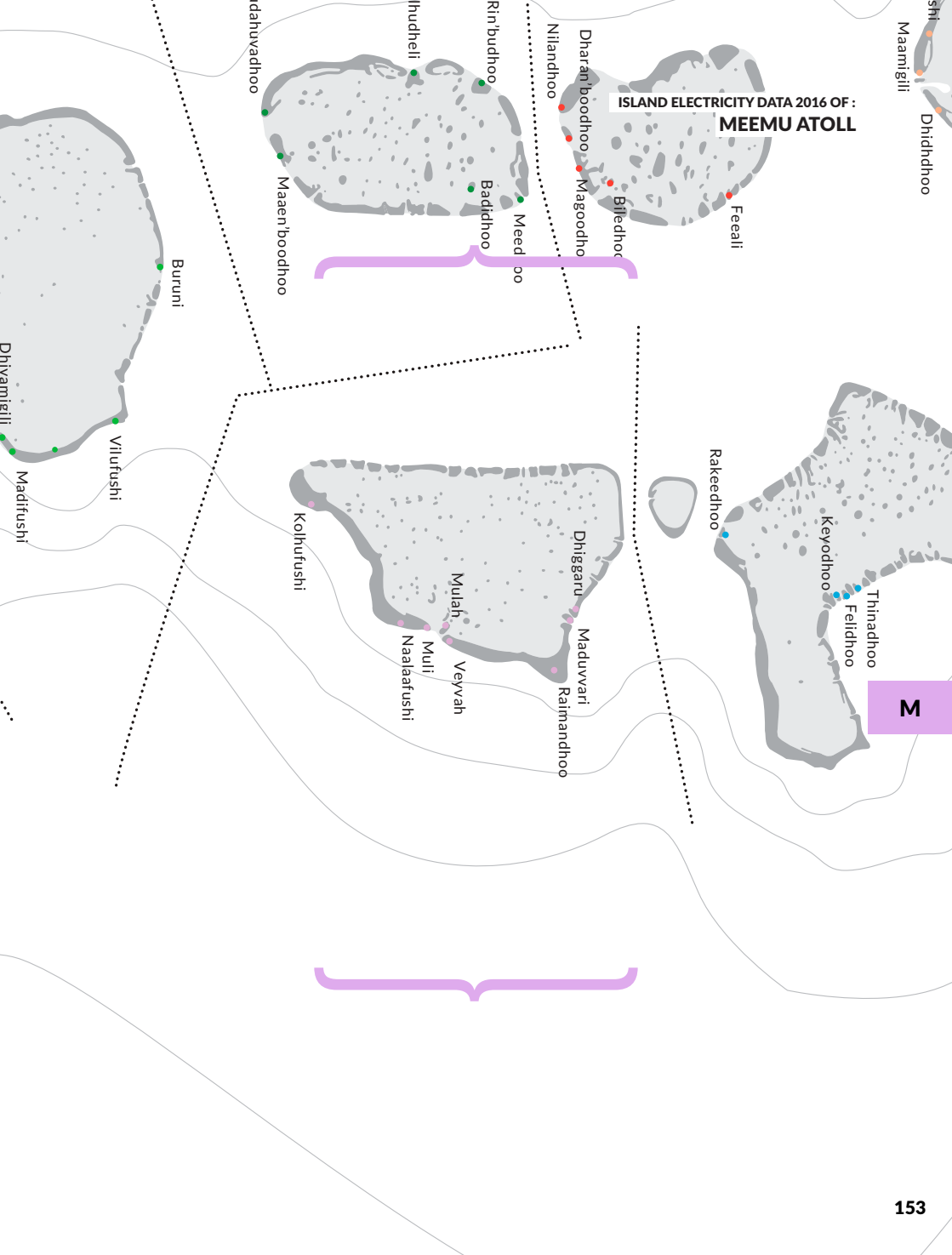
Population	132
Area of Island (km ²)	0.12
Distance from Male' (km)	77.8
Nearest Airport	Maamigili Airport
Electricity Provider	STELCO
Daily Peak Load (kW)	166
Peak load time	14:00
Installed Capacity (kW)	528.6
Installed Generator sets (kW)	72.6,176,280
Monthly Average Usage (kWh)	50625.73
Yearly electricity production (kWh)	607,508.80
Yearly Oil Consumption (L)	171,348.00
Yearly Lube Oil Consumption (L)	974.00
Synchronizing Panel	No
Type of Synchronizing Panel	Manual
Electricity cable installed year	2011
Distribution Cable size (mm ²)	25,35,50
CO ₂ emission (tCO ₂)	456.20

V



Maamigili
Dhidhdhoo

ISLAND ELECTRICITY DATA 2016 OF :
MEEMU ATOLL



M

M. DHIGGARU

Population	982
Area of Island (km ²)	0.10
Distance from Male' (km)	118.7
Nearest Airport	Maamigili Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	234
Peak load time	12:30
Installed Capacity (kW)	380
Installed Generator sets (kW)	160,140,80
Monthly Average Usage (kWh)	75495.17
Yearly electricity production (kWh)	905,942.00
Yearly Oil Consumption (L)	302,801.00
Yearly Lube Oil Consumption (L)	1,022.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2009
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	806.18

M



Population	748
Area of Island (km ²)	0.90
Distance from Male' (km)	157.6
Nearest Airport	Kudahuvadhoor Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	190
Peak load time	12:00
Installed Capacity (kW)	720
Installed Generator sets (kW)	280,280,160
Monthly Average Usage (kWh)	74924.64
Yearly electricity production (kWh)	899,095.70
Yearly Oil Consumption (L)	288,918.00
Yearly Lube Oil Consumption (L)	1,156.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	769.22

M



M. MADUVVARI

Population	369
Area of Island (km ²)	0.10
Distance from Male' (km)	118.7
Nearest Airport	Maamigili Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	78
Peak load time	6:30
Installed Capacity (kW)	88
Installed Generator sets (kW)	40,48
Monthly Average Usage (kWh)	28325.92
Yearly electricity production (kWh)	339,911.00
Yearly Oil Consumption (L)	125,112.00
Yearly Lube Oil Consumption (L)	885.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	333.10

M



Population	1264
Area of Island (km ²)	0.70
Distance from Male' (km)	137.2
Nearest Airport	Kudahuvadho Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	226
Peak load time	12:00
Installed Capacity (kW)	475
Installed Generator sets (kW)	250,225
Monthly Average Usage (kWh)	105379.42
Yearly electricity production (kWh)	1,264,553.00
Yearly Oil Consumption (L)	394,835.00
Yearly Lube Oil Consumption (L)	1,468.10
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2009
Distribution Cable size (mm ²)	50, 70, 90, 150
CO ₂ emission (tCO ₂)	1051.21



M. MULI

Population	862
Area of Island (km ²)	0.40
Distance from Male' (km)	140.9
Nearest Airport	Kudahuvadhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	305
Peak load time	12:00
Installed Capacity (kW)	660
Installed Generator sets (kW)	250,250,160
Monthly Average Usage (kWh)	112431.00
Yearly electricity production (kWh)	1,349,172.00
Yearly Oil Consumption (L)	459,979.69
Yearly Lube Oil Consumption (L)	1,601.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	16,25,50,70,95
CO ₂ emission (tCO ₂)	1224.65

M



Population	426
Area of Island (km ²)	0.10
Distance from Male' (km)	144.6
Nearest Airport	Kudahuvadhoor Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	64
Peak load time	13:00
Installed Capacity (kW)	190
Installed Generator sets (kW)	80,58,52
Monthly Average Usage (kWh)	43801.04
Yearly electricity production (kWh)	525,612.50
Yearly Oil Consumption (L)	150,175.00
Yearly Lube Oil Consumption (L)	706.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	399.83

M



M. RAIMANDHOO

Population	113
Area of Island (km ²)	0.30
Distance from Male' (km)	121.1
Nearest Airport	Kudahuvadhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	45
Peak load time	19:30
Installed Capacity (kW)	109
Installed Generator sets (kW)	48,32,29
Monthly Average Usage (kWh)	13349.20
Yearly electricity production (kWh)	160,190.40
Yearly Oil Consumption (L)	81,310.80
Yearly Lube Oil Consumption (L)	331.20
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1996
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	216.48

M



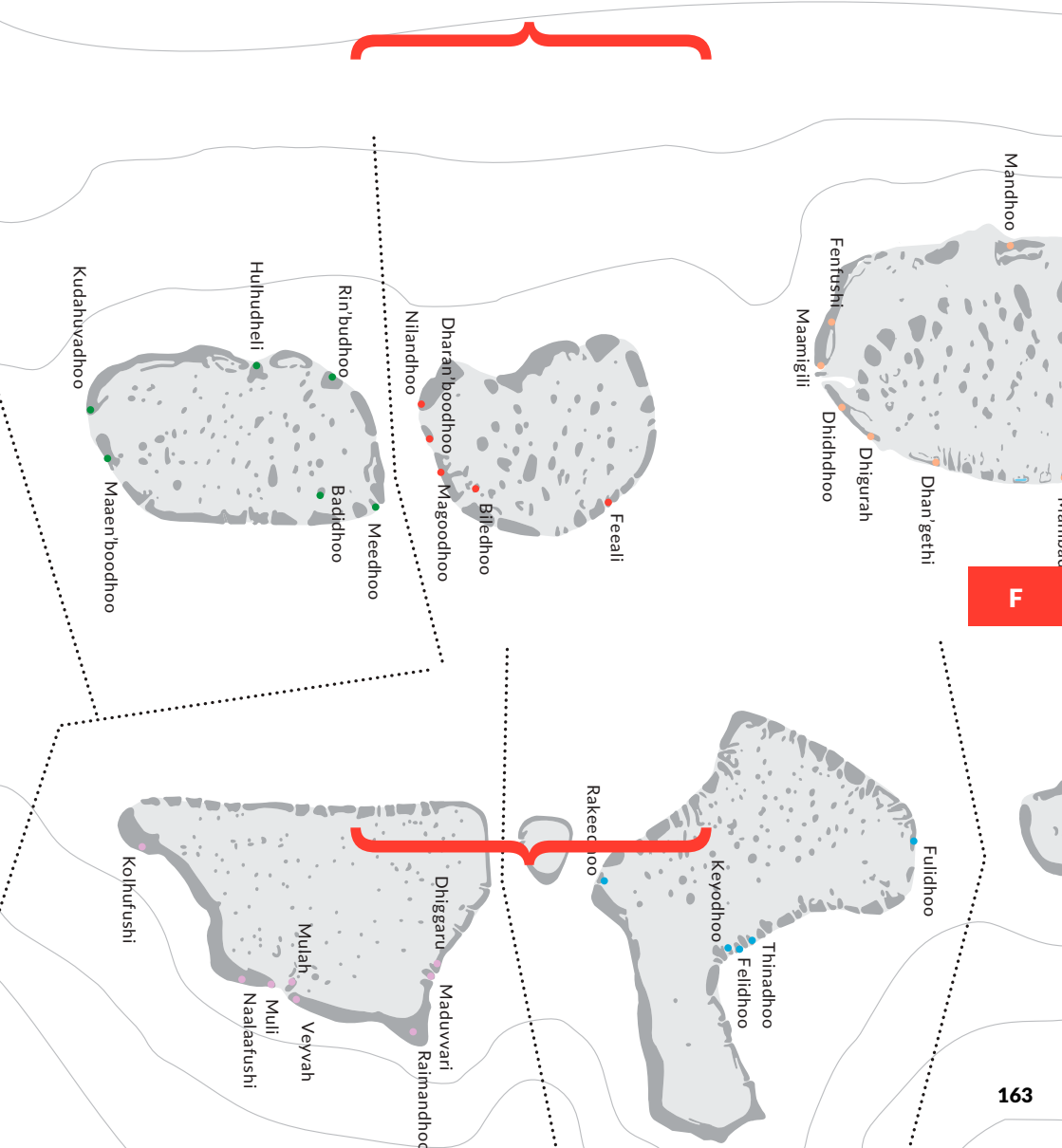
Population	254
Area of Island (km ²)	0.40
Distance from Male' (km)	137.4
Nearest Airport	Thimarafushi Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	56
Peak load time	12:30
Installed Capacity (kW)	138
Installed Generator sets (kW)	58,80
Monthly Average Usage (kWh)	17460.91
Yearly electricity production (kWh)	209,530.91
Yearly Oil Consumption (L)	92,928.00
Yearly Lube Oil Consumption (L)	650.18
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	247.41

M





ISLAND ELECTRICITY DATA 2016 OF :
FAAFU ATOLL



F

F. BILEIYDHOO

Population	767
Area of Island (km ²)	0.30
Distance from Male' (km)	132.4
Nearest Airport	Maamigili Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	195
Peak load time	11:30
Installed Capacity (kW)	352
Installed Generator sets (kW)	80,112,160
Monthly Average Usage (kWh)	69696.25
Yearly electricity production (kWh)	836,355.00
Yearly Oil Consumption (L)	308,854.00
Yearly Lube Oil Consumption (L)	986.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1997
Distribution Cable size (mm ²)	6, 16, 25, 35
CO ₂ emission (tCO ₂)	822.29

F



F. DHARAN' BOODHOO

Population	403
Area of Island (km ²)	0.40
Distance from Male' (km)	140
Nearest Airport	Maamigili Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	78
Peak load time	12:30
Installed Capacity (kW)	144
Installed Generator sets (kW)	80,64
Monthly Average Usage (kWh)	29128.25
Yearly electricity production (kWh)	349,539.00
Yearly Oil Consumption (L)	134,065.00
Yearly Lube Oil Consumption (L)	401.40
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1984
Distribution Cable size (mm ²)	44, 64
CO ₂ emission (tCO ₂)	356.93

F



F. FEEALI

Population	864
Area of Island (km ²)	0.10
Distance from Male' (km)	116.1
Nearest Airport	Maamigili Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	176
Peak load time	13:00
Installed Capacity (kW)	466
Installed Generator sets (kW)	166,300
Monthly Average Usage (kWh)	66460.83
Yearly electricity production (kWh)	797,530.00
Yearly Oil Consumption (L)	324,615.00
Yearly Lube Oil Consumption (L)	971.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1999
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	864.25

F



Population	562
Area of Island (km ²)	0.20
Distance from Male' (km)	136.7
Nearest Airport	Maamigili Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	353
Peak load time	12:30
Installed Capacity (kW)	536
Installed Generator sets (kW)	84,160,180,112
Monthly Average Usage (kWh)	56303.67
Yearly electricity production (kWh)	675,644.00
Yearly Oil Consumption (L)	218,083.00
Yearly Lube Oil Consumption (L)	910.00
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)	580.62

F



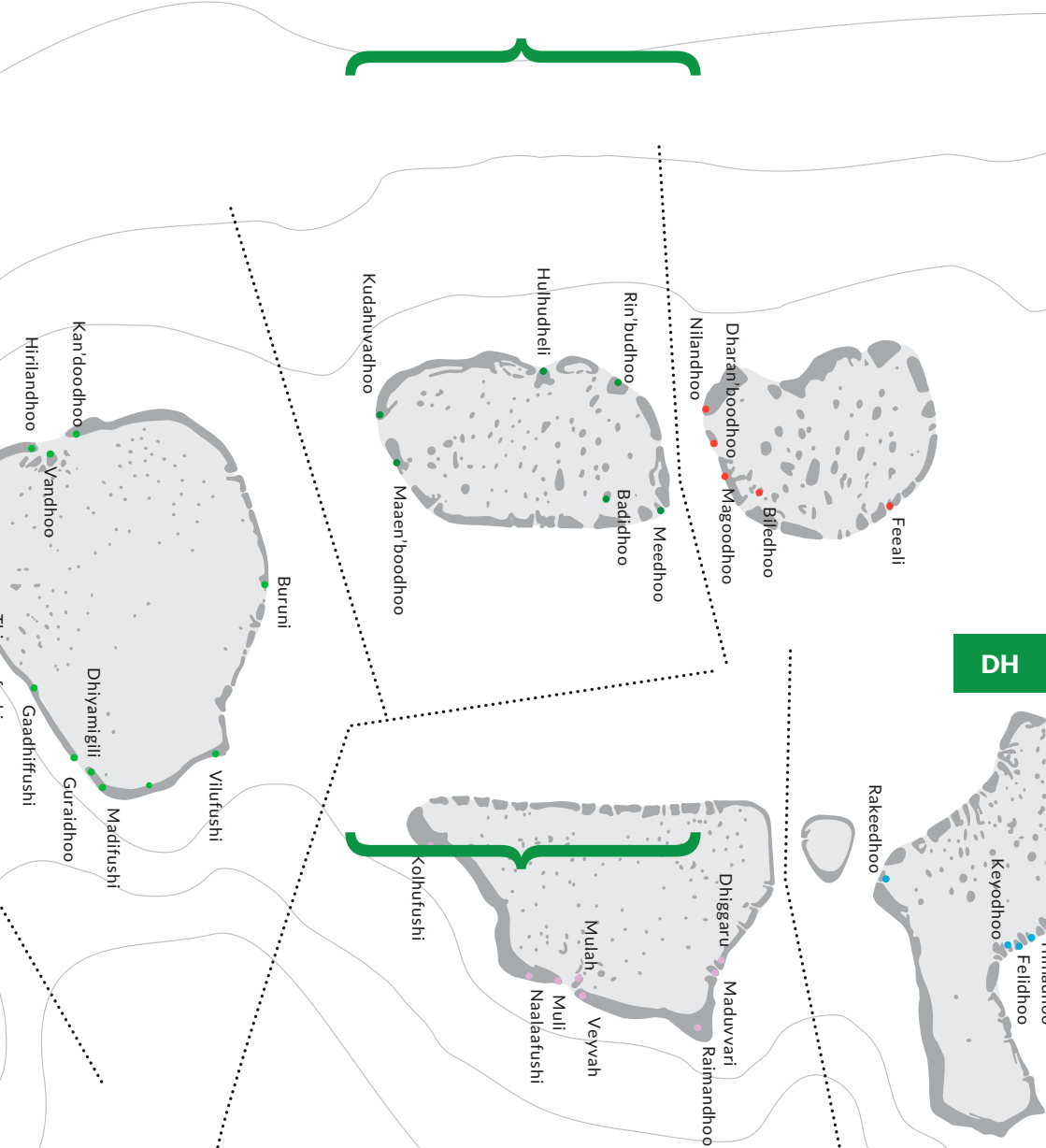
F. NILANDHOO

Population	1658
Area of Island (km ²)	0.60
Distance from Male' (km)	144.3
Nearest Airport	Kudahuvadhoo Airport
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	300
Peak load time	12:30
Installed Capacity (kW)	1313
Installed Generator sets (kW)	500,500,313
Monthly Average Usage (kWh)	109973.00
Yearly electricity production (kWh)	1,319,676.00
Yearly Oil Consumption (L)	649,194.89
Yearly Lube Oil Consumption (L)	2,038.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2006
Distribution Cable size (mm ²)	95
CO ₂ emission (tCO ₂)	1728.42

F



ISLAND ELECTRICITY DATA 2016 OF :
DHAALU ATOLL



DH. BAN'DIDHOO

Population	813
Area of Island (km ²)	0.20
Distance from Male' (km)	150.9
Nearest Airport	Kudahuvadhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	156
Peak load time	12:30
Installed Capacity (kW)	524
Installed Generator sets (kW)	160,160,204
Monthly Average Usage (kWh)	53231.92
Yearly electricity production (kWh)	638,783.00
Yearly Oil Consumption (L)	248,508.00
Yearly Lube Oil Consumption (L)	1,381.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2009
Distribution Cable size (mm ²)	6,25,35,50,70
CO ₂ emission (tCO ₂)	661.63

DH



Population	719
Area of Island (km ²)	0.20
Distance from Male' (km)	163.9
Nearest Airport	Kudahuvadhoor Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	159
Peak load time	13:30
Installed Capacity (kW)	400
Installed Generator sets (kW)	128,144,128
Monthly Average Usage (kWh)	47900.83
Yearly electricity production (kWh)	574,810.00
Yearly Oil Consumption (L)	289,048.00
Yearly Lube Oil Consumption (L)	810.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1996
Distribution Cable size (mm ²)	6,16
CO ₂ emission (tCO ₂)	769.56



DH. KUDAHUVADHOO

Population	2443
Area of Island (km ²)	0.80
Distance from Male' (km)	181.9
Nearest Airport	Kudahuvadhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	826
Peak load time	12:20
Installed Capacity (kW)	1688
Installed Generator sets (kW)	648,600,440
Monthly Average Usage (kWh)	292606.00
Yearly electricity production (kWh)	3,511,272.00
Yearly Oil Consumption (L)	1,030,163.00
Yearly Lube Oil Consumption (L)	5,213.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2002
Distribution Cable size (mm ²)	95 to 35
CO ₂ emission (tCO ₂)	2742.71

DH



DH. MAAEN'BOODHOO

Population	622
Area of Island (km ²)	0.20
Distance from Male' (km)	175.8
Nearest Airport	Kudahuvadho Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	173
Peak load time	12:00
Installed Capacity (kW)	744
Installed Generator sets (kW)	198,84,80,132,250
Monthly Average Usage (kWh)	51446.42
Yearly electricity production (kWh)	617,357.00
Yearly Oil Consumption (L)	253,642.00
Yearly Lube Oil Consumption (L)	1,662.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2008
Distribution Cable size (mm ²)	25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	675.30



DH

DH. MEEDHOO

Population	958
Area of Island (km ²)	0.10
Distance from Male' (km)	142.8
Nearest Airport	Kudahuvadhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	300
Peak load time	12:30
Installed Capacity (kW)	635
Installed Generator sets (kW)	125,150,360
Monthly Average Usage (kWh)	105458.42
Yearly electricity production (kWh)	1,265,501.00
Yearly Oil Consumption (L)	408,164.00
Yearly Lube Oil Consumption (L)	1,425.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2005
Distribution Cable size (mm ²)	6,35,50
CO ₂ emission (tCO ₂)	1086.70

DH



Population	278
Area of Island (km ²)	0.20
Distance from Male' (km)	154.8
Nearest Airport	Kudahuvadho Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	78
Peak load time	12:30
Installed Capacity (kW)	188
Installed Generator sets (kW)	48,100,40
Monthly Average Usage (kWh)	28915.06
Yearly electricity production (kWh)	346,980.70
Yearly Oil Consumption (L)	131,085.00
Yearly Lube Oil Consumption (L)	697.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2004
Distribution Cable size (mm ²)	16,25,35
CO ₂ emission (tCO ₂)	349.00





Thinadhoo

Madaveili

Dheevadhoo

kolamaafushi

Nilandhoo

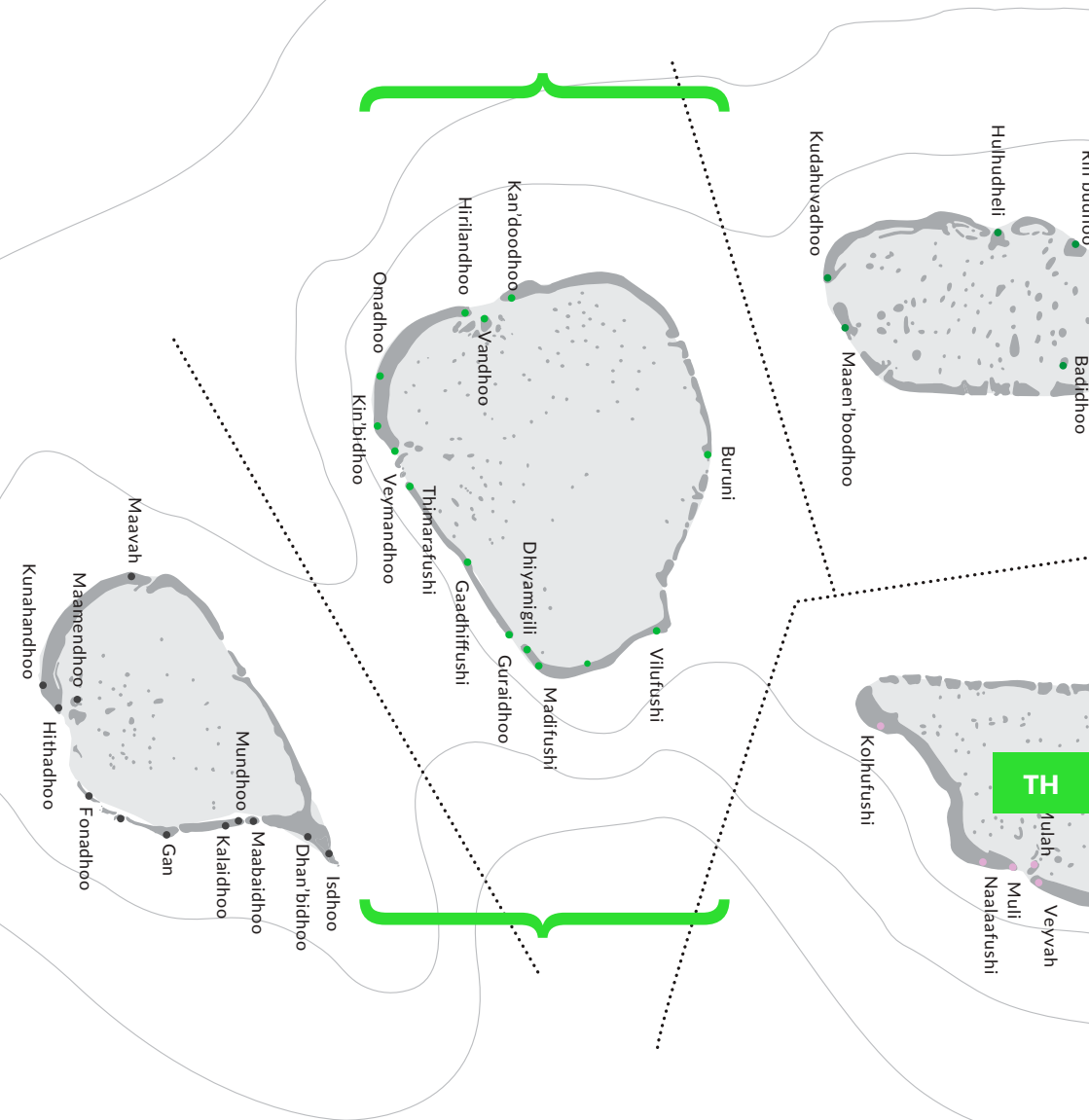
Dhaandhoo

Maamendhoo

Vilin'gilli

Kon'dey

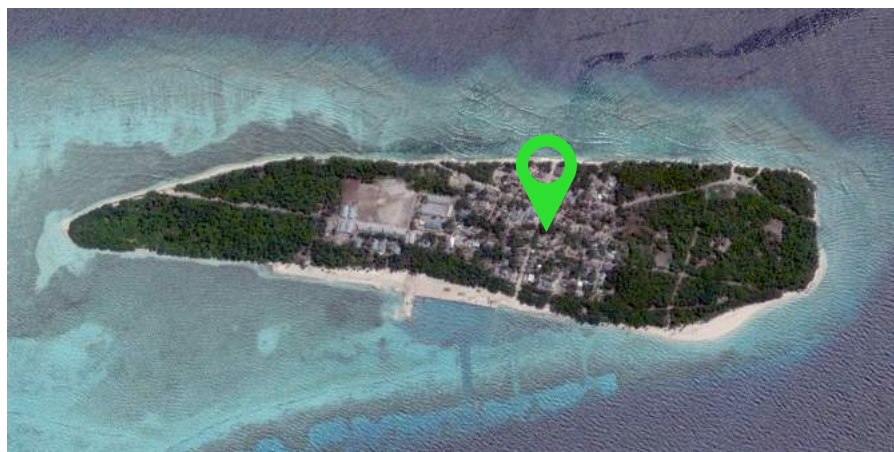
ISLAND ELECTRICITY DATA 2016 OF :
THAA ATOLL



TH

TH. BURUNI

Population	339
Area of Island (km ²)	0.40
Distance from Male' (km)	185.6
Nearest Airport	Kudahuvadhoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	102
Peak load time	12:00
Installed Capacity (kW)	370
Installed Generator sets (kW)	160,105,105
Monthly Average Usage (kWh)	38920.41
Yearly electricity production (kWh)	467,044.90
Yearly Oil Consumption (L)	167,818.00
Yearly Lube Oil Consumption (L)	997.45
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16,70
CO ₂ emission (tCO ₂)	446.80



TH

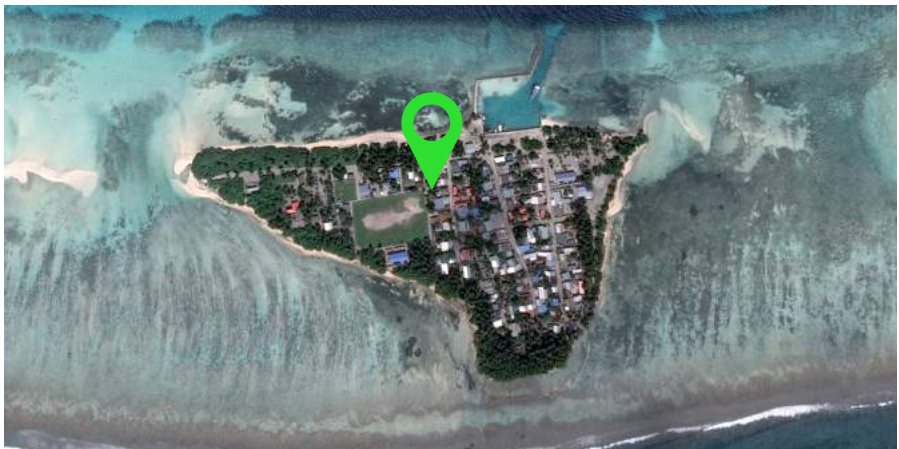
Population	562
Area of Island (km ²)	0.30
Distance from Male' (km)	206.5
Nearest Airport	Thimarafushi Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	102
Peak load time	14:00
Installed Capacity (kW)	290
Installed Generator sets (kW)	150,140
Monthly Average Usage (kWh)	41415.38
Yearly electricity production (kWh)	496,984.55
Yearly Oil Consumption (L)	150,696.00
Yearly Lube Oil Consumption (L)	997.45
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	NA
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	401.21



TH

TH. GAADHIFUSHI

Population	270
Area of Island (km ²)	0.10
Distance from Male' (km)	217.4
Nearest Airport	Thimarafushi Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	57
Peak load time	12:00
Installed Capacity (kW)	320
Installed Generator sets (kW)	100,140,80
Monthly Average Usage (kWh)	19112.75
Yearly electricity production (kWh)	229,353.00
Yearly Oil Consumption (L)	110,668.00
Yearly Lube Oil Consumption (L)	818.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	294.64



TH

Population	1317
Area of Island (km ²)	0.30
Distance from Male' (km)	208.5
Nearest Airport	Thimarafushi Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	456
Peak load time	12:30
Installed Capacity (kW)	1040
Installed Generator sets (kW)	360,400,280
Monthly Average Usage (kWh)	178639.58
Yearly electricity production (kWh)	2,143,675.00
Yearly Oil Consumption (L)	590,084.00
Yearly Lube Oil Consumption (L)	2,022.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2002
Distribution Cable size (mm ²)	35,50,70,95,120
CO ₂ emission (tCO ₂)	1571.04



TH

TH. HIRILANDHOO

Population	1033
Area of Island (km ²)	0.30
Distance from Male' (km)	222.6
Nearest Airport	Thimarafushi Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	199
Peak load time	13:00
Installed Capacity (kW)	450
Installed Generator sets (kW)	200,250
Monthly Average Usage (kWh)	88795.83
Yearly electricity production (kWh)	1,065,550.00
Yearly Oil Consumption (L)	330,421.18
Yearly Lube Oil Consumption (L)	1,383.10
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2009
Distribution Cable size (mm ²)	16 to 70
CO ₂ emission (tCO ₂)	879.71



TH

TH. KAN'DOODHOO

Population	430
Area of Island (km ²)	0.80
Distance from Male' (km)	217.8
Nearest Airport	Thimarafushi Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	98
Peak load time	12:00
Installed Capacity (kW)	380
Installed Generator sets (kW)	160,220
Monthly Average Usage (kWh)	36744.33
Yearly electricity production (kWh)	440,932.00
Yearly Oil Consumption (L)	154,095.00
Yearly Lube Oil Consumption (L)	730.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2010
Distribution Cable size (mm ²)	16, 25
CO ₂ emission (tCO ₂)	410.26



TH

TH. KIN'BIDHOO

Population	783
Area of Island (km ²)	0.30
Distance from Male' (km)	229.6
Nearest Airport	Thimarafushi Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	137
Peak load time	12:00
Installed Capacity (kW)	440
Installed Generator sets (kW)	100,200,140
Monthly Average Usage (kWh)	53772.58
Yearly electricity production (kWh)	645,271.00
Yearly Oil Consumption (L)	223,480.19
Yearly Lube Oil Consumption (L)	2,215.93
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1980
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	594.99

TH



Population	821
Area of Island (km ²)	0.20
Distance from Male' (km)	202.8
Nearest Airport	Thimarafushi Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	0
Peak load time	13:00
Installed Capacity (kW)	410
Installed Generator sets (kW)	160,250
Monthly Average Usage (kWh)	64257.45
Yearly electricity production (kWh)	771,089.45
Yearly Oil Consumption (L)	264,357.82
Yearly Lube Oil Consumption (L)	1,116.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	16,25,35,50,70,95,120,150
CO ₂ emission (tCO ₂)	703.83



TH

TH. OMADHOO

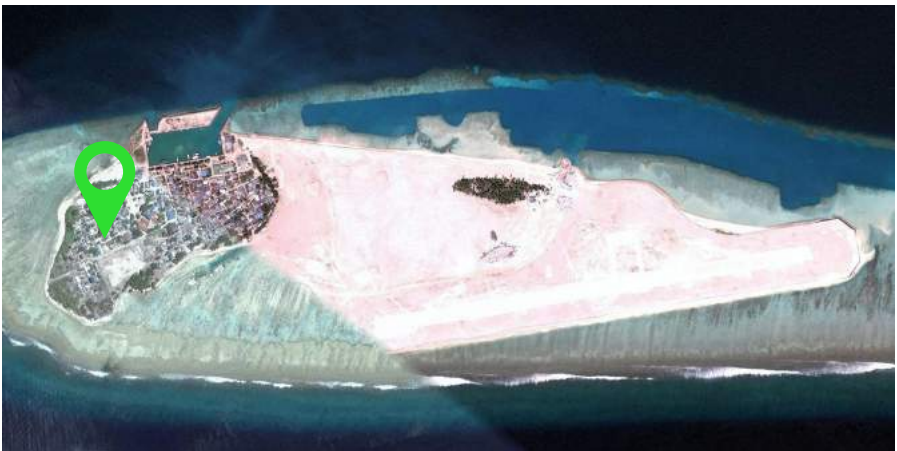
Population	455
Area of Island (km ²)	0.40
Distance from Male' (km)	230.9
Nearest Airport	Thimarafushi Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	88
Peak load time	20:00
Installed Capacity (kW)	286
Installed Generator sets (kW)	126,160
Monthly Average Usage (kWh)	44728.33
Yearly electricity production (kWh)	536,740.00
Yearly Oil Consumption (L)	153,640.00
Yearly Lube Oil Consumption (L)	891.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1991
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	409.05

TH



TH. THIMARAFUSHI

Population	1167
Area of Island (km ²)	0.20
Distance from Male' (km)	224.1
Nearest Airport	Thimarafushi Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	350
Peak load time	12:00
Installed Capacity (kW)	1010
Installed Generator sets (kW)	250,160,600
Monthly Average Usage (kWh)	135948.25
Yearly electricity production (kWh)	1,631,379.00
Yearly Oil Consumption (L)	613,797.00
Yearly Lube Oil Consumption (L)	3,030.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	60,70
CO ₂ emission (tCO ₂)	1634.17



TH

TH. VANDHOO

Population	290
Area of Island (km ²)	0.30
Distance from Male' (km)	218.5
Nearest Airport	Thimarafushi Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	69
Peak load time	20:00
Installed Capacity (kW)	265
Installed Generator sets (kW)	105,160
Monthly Average Usage (kWh)	26335.58
Yearly electricity production (kWh)	316,027.00
Yearly Oil Consumption (L)	118,747.00
Yearly Lube Oil Consumption (L)	825.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1998
Distribution Cable size (mm ²)	6, 16, 35
CO ₂ emission (tCO ₂)	316.15



TH

Population	1119
Area of Island (km ²)	0.40
Distance from Male' (km)	227.1
Nearest Airport	Thimarafushi Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	295
Peak load time	12:00
Installed Capacity (kW)	723
Installed Generator sets (kW)	220,180,323
Monthly Average Usage (kWh)	109872.42
Yearly electricity production (kWh)	1,318,469.00
Yearly Oil Consumption (L)	472,206.00
Yearly Lube Oil Consumption (L)	2,822.70
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2002
Distribution Cable size (mm ²)	25, 35, 50, 70
CO ₂ emission (tCO ₂)	1257.20



TH

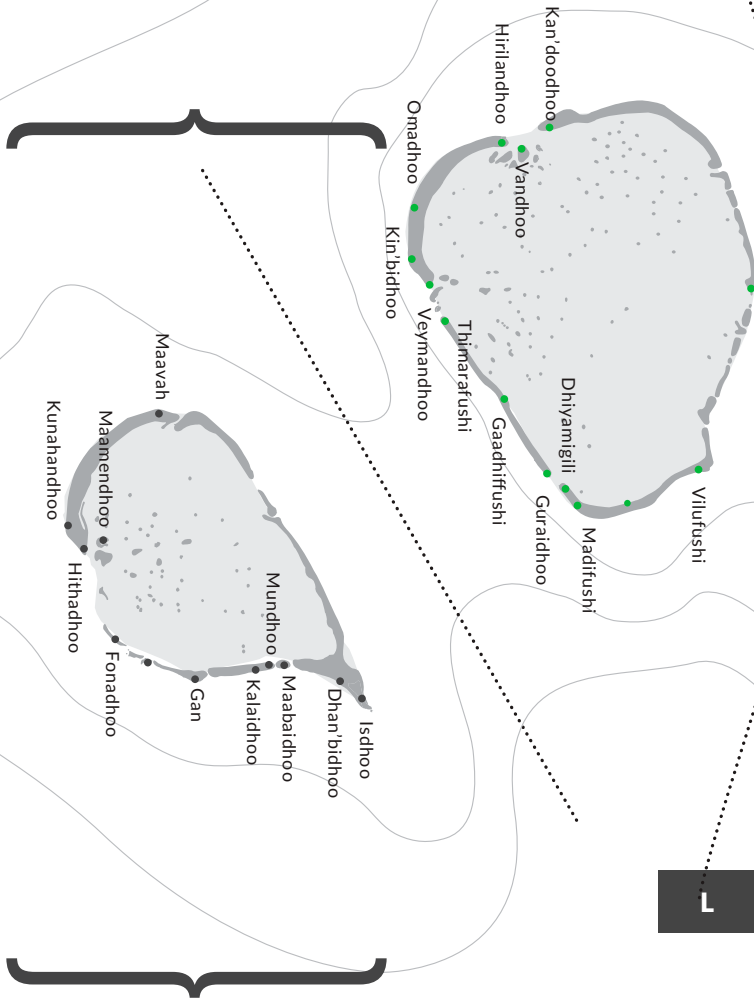
TH. VILUFUSHI

Population	1097
Area of Island (km ²)	0.60
Distance from Male' (km)	188.3
Nearest Airport	Thimarafushi Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	240
Peak load time	12:00
Installed Capacity (kW)	750
Installed Generator sets (kW)	250,250,250
Monthly Average Usage (kWh)	107382.25
Yearly electricity production (kWh)	1,288,587.00
Yearly Oil Consumption (L)	431,915.00
Yearly Lube Oil Consumption (L)	1,842.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	70
CO ₂ emission (tCO ₂)	1149.93



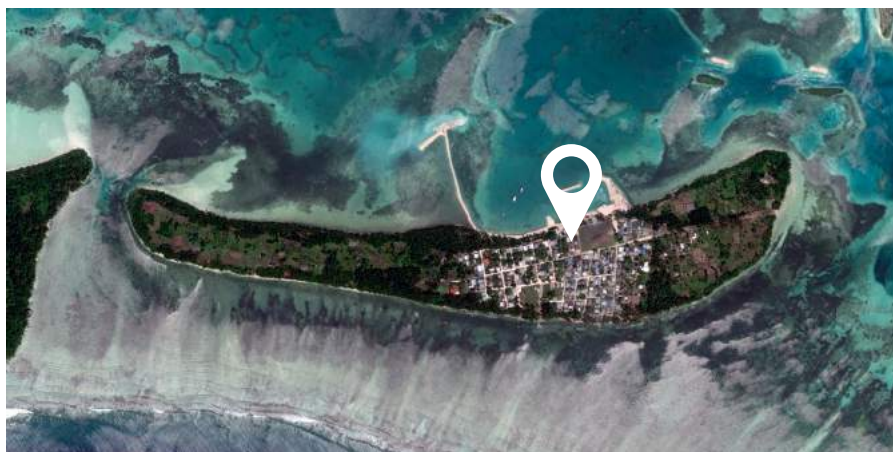
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ISLAND ELECTRICITY DATA 2016 OF :
LAAMU ATOLL



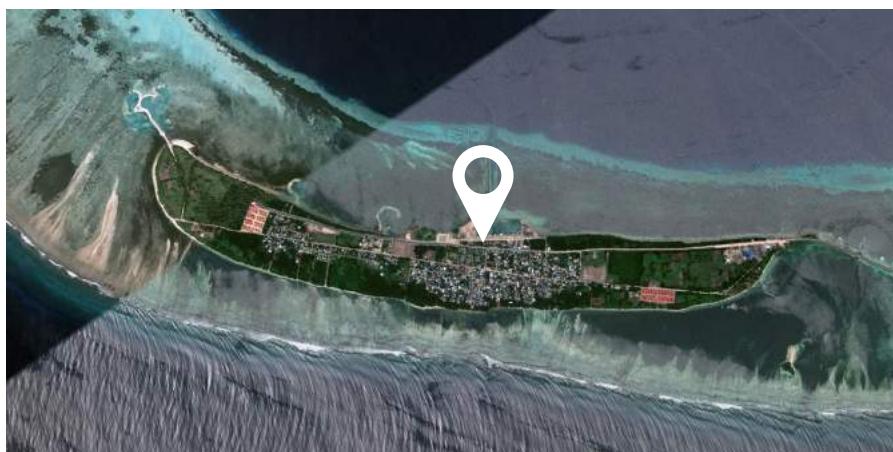
L. DHAN'BIDHOO

Population	569
Area of Island (km ²)	0.60
Distance from Male' (km)	231.5
Nearest Airport	Kadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	110
Peak load time	12:00
Installed Capacity (kW)	270
Installed Generator sets (kW)	160,110
Monthly Average Usage (kWh)	39962.17
Yearly electricity production (kWh)	479,546.00
Yearly Oil Consumption (L)	207,164.40
Yearly Lube Oil Consumption (L)	887.70
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)	551.55



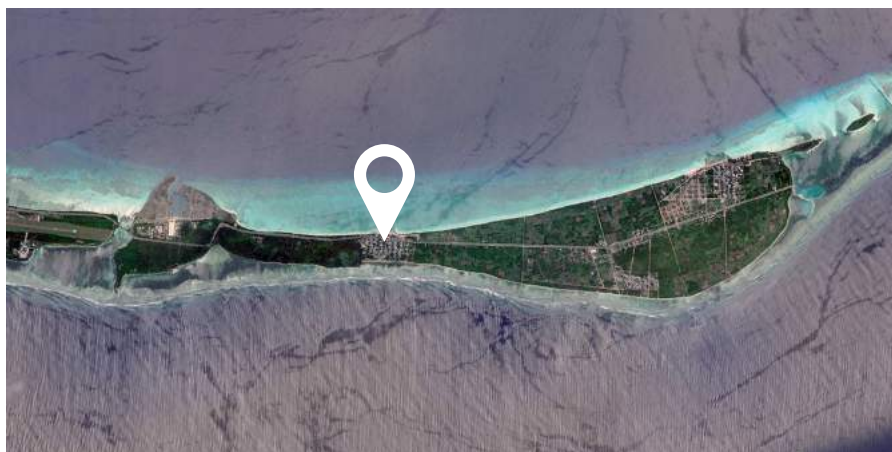
L

Population	2203
Area of Island (km ²)	1.60
Distance from Male' (km)	261.1
Nearest Airport	Kadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	870
Peak load time	14:00
Installed Capacity (kW)	760
Installed Generator sets (kW)	180,250,180,150
Monthly Average Usage (kWh)	203770.00
Yearly electricity production (kWh)	2,445,240.00
Yearly Oil Consumption (L)	1,196,587.00
Yearly Lube Oil Consumption (L)	4,890.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	70,95,120,150
CO ₂ emission (tCO ₂)	3185.79



L. GAN

Population	3543
Area of Island (km ²)	6.20
Distance from Male' (km)	251.9
Nearest Airport	Kadhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	15:00, 12:30, 19:00
Peak load time	1080
Installed Capacity (kW)	3950
Installed Generator sets (kW)	120X1, 150X1, 220X1, 200X1, 280X2, 250X1,350X1, 500X1, 800X2
Monthly Average Usage (kWh)	411,197.29
Yearly electricity production (kWh)	4934367.43
Yearly Oil Consumption (L)	1570347.73
Yearly Lube Oil Consumption (L)	4895.64
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)	4,183.72



Population	1011
Area of Island (km ²)	1.10
Distance from Male' (km)	265.2
Nearest Airport	Kadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	126
Peak load time	10:00
Installed Capacity (kW)	760
Installed Generator sets (kW)	150,250,180,180
Monthly Average Usage (kWh)	57327.45
Yearly electricity production (kWh)	687,929.35
Yearly Oil Consumption (L)	267,595.20
Yearly Lube Oil Consumption (L)	1,208.40
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2008
Distribution Cable size (mm ²)	25, 65 ,70
CO ₂ emission (tCO ₂)	712.45



L

L. ISDHOO

Population	944
Area of Island (km ²)	3.60
Distance from Male' (km)	229.6
Nearest Airport	Kadhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	126
Peak load time	#N/A
Installed Capacity (kW)	940
Installed Generator sets (kW)	160,160,260,360
Monthly Average Usage (kWh)	57394.26
Yearly electricity production (kWh)	688,731.16
Yearly Oil Consumption (L)	294,306.00
Yearly Lube Oil Consumption (L)	1,182.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25, 35, 45, 50, 70
CO ₂ emission (tCO ₂)	783.56



L

Population	467
Area of Island (km ²)	3.60
Distance from Male' (km)	229.6
Nearest Airport	Kadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	102
Peak load time	12:30
Installed Capacity (kW)	260
Installed Generator sets (kW)	100,160
Monthly Average Usage (kWh)	38988.45
Yearly electricity production (kWh)	467,861.45
Yearly Oil Consumption (L)	165,560.00
Yearly Lube Oil Consumption (L)	517.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16, 35, 50
CO ₂ emission (tCO ₂)	440.79



L. KUNAHANDHOO

Population	657
Area of Island (km ²)	0.90
Distance from Male' (km)	267.2
Nearest Airport	Kadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	100
Peak load time	12:30
Installed Capacity (kW)	250
Installed Generator sets (kW)	100,150
Monthly Average Usage (kWh)	35419.00
Yearly electricity production (kWh)	425,028.00
Yearly Oil Consumption (L)	151,721.97
Yearly Lube Oil Consumption (L)	674.51
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25, 35, 45, 55, 75
CO ₂ emission (tCO ₂)	403.94



Population	650
Area of Island (km ²)	0.50
Distance from Male' (km)	238.9
Nearest Airport	Kadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	320
Peak load time	12:00
Installed Capacity (kW)	480
Installed Generator sets (kW)	150,250,80
Monthly Average Usage (kWh)	50430.45
Yearly electricity production (kWh)	605,165.45
Yearly Oil Consumption (L)	297,873.00
Yearly Lube Oil Consumption (L)	375.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	793.06

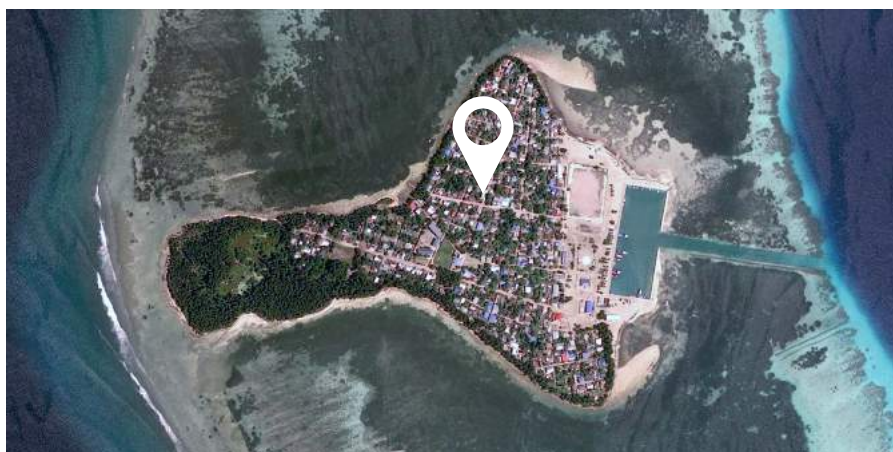


L. MAAMENDHOO

Population	898
Area of Island (km ²)	0.20
Distance from Male' (km)	263.4
Nearest Airport	Kadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	435
Peak load time	12:00
Installed Capacity (kW)	1610
Installed Generator sets (kW)	280,280,250,800
Monthly Average Usage (kWh)	0.00
Yearly electricity production (kWh)	0.00
Yearly Oil Consumption (L)	409,849.35
Yearly Lube Oil Consumption (L)	228.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1993
Distribution Cable size (mm ²)	6, 16, 25, 35, 50, 75
CO ₂ emission (tCO ₂)	1091.18



Population	1270
Area of Island (km ²)	0.40
Distance from Male' (km)	257.4
Nearest Airport	Kadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	308
Peak load time	13:00
Installed Capacity (kW)	596
Installed Generator sets (kW)	166,250,180
Monthly Average Usage (kWh)	101915.25
Yearly electricity production (kWh)	1,222,983.00
Yearly Oil Consumption (L)	503,836.36
Yearly Lube Oil Consumption (L)	1,452.40
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2004
Distribution Cable size (mm ²)	6,25
CO ₂ emission (tCO ₂)	1341.41

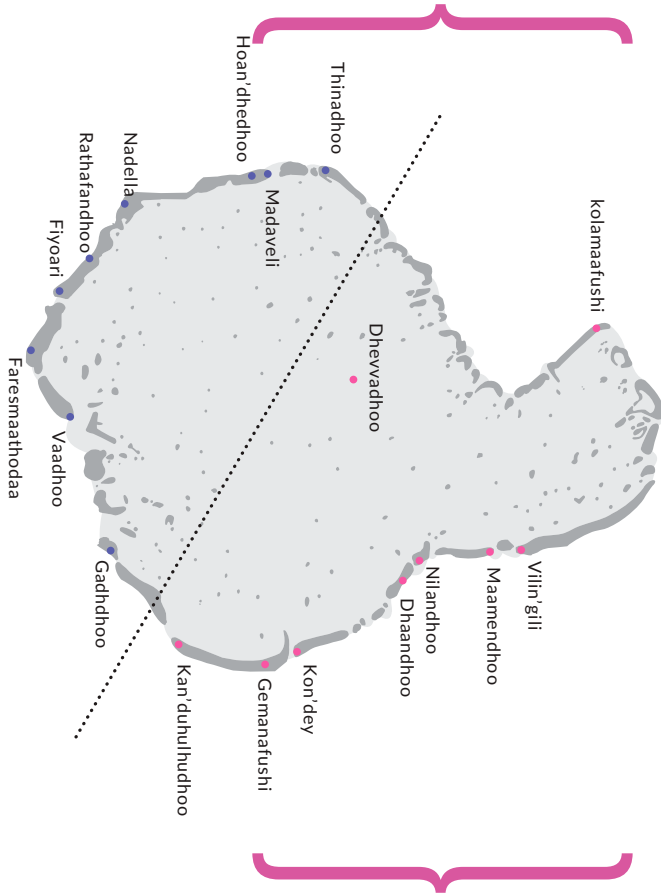


L. MUNDOO

Population	236
Area of Island (km ²)	0.30
Distance from Male' (km)	240.8
Nearest Airport	Kadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	53
Peak load time	9:30
Installed Capacity (kW)	290
Installed Generator sets (kW)	40,80,75,95
Monthly Average Usage (kWh)	10006.92
Yearly electricity production (kWh)	120,083.00
Yearly Oil Consumption (L)	54,396.00
Yearly Lube Oil Consumption (L)	2,010.00
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



ISLAND ELECTRICITY DATA 2016 OF :
GAAFU ALIF ATOLL

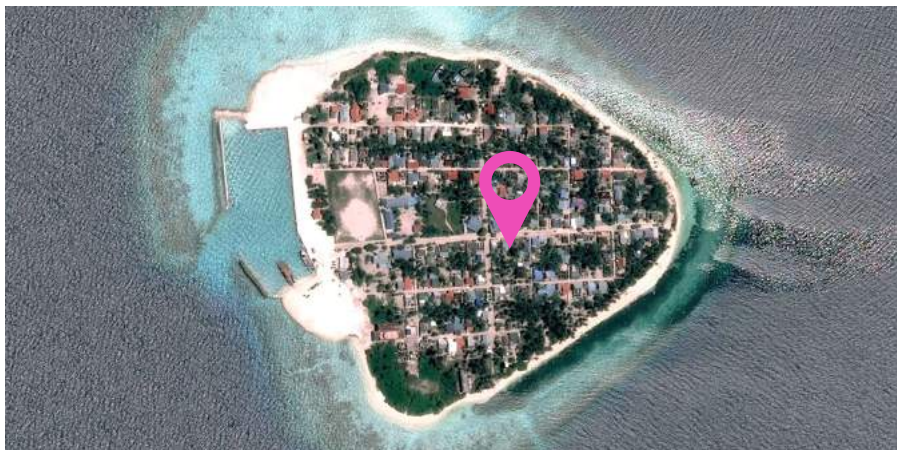


GA. DHAANDHOO

Population	1106
Area of Island (km ²)	0.20
Distance from Male' (km)	396.3
Nearest Airport	Kooddoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	320
Peak load time	13:00
Installed Capacity (kW)	411
Installed Generator sets (kW)	311,100
Monthly Average Usage (kWh)	80766.42
Yearly electricity production (kWh)	969,197.00
Yearly Oil Consumption (L)	379,132.00
Yearly Lube Oil Consumption (L)	1,376.00
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)	1009.40

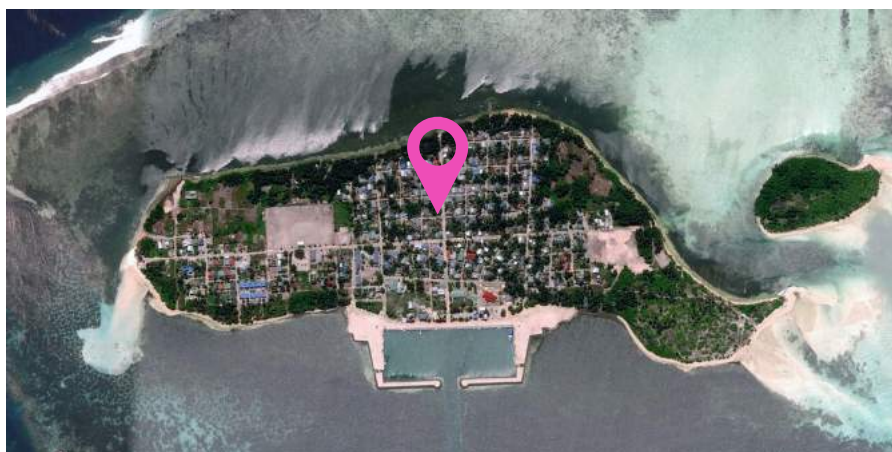


Population	597
Area of Island (km ²)	0.20
Distance from Male' (km)	403
Nearest Airport	Kaadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	134
Peak load time	12:00
Installed Capacity (kW)	352
Installed Generator sets (kW)	160,112,80
Monthly Average Usage (kWh)	45065.50
Yearly electricity production (kWh)	540,786.00
Yearly Oil Consumption (L)	231,915.00
Yearly Lube Oil Consumption (L)	1,045.50
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16 to 70
CO ₂ emission (tCO ₂)	617.45



GA. GEMANAFUSHI

Population	1233
Area of Island (km ²)	1.00
Distance from Male' (km)	414.8
Nearest Airport	Kooddoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	283
Peak load time	12:30
Installed Capacity (kW)	614
Installed Generator sets (kW)	184,144,286
Monthly Average Usage (kWh)	90841.17
Yearly electricity production (kWh)	1,090,094.00
Yearly Oil Consumption (L)	381,050.00
Yearly Lube Oil Consumption (L)	1,881.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1999
Distribution Cable size (mm ²)	35,50,75
CO ₂ emission (tCO ₂)	1014.51



GA. KAN'DUHULHUDHOO

Population	530
Area of Island (km ²)	0.30
Distance from Male' (km)	426
Nearest Airport	Kooddoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	109
Peak load time	14:00
Installed Capacity (kW)	280
Installed Generator sets (kW)	80,80,120
Monthly Average Usage (kWh)	41871.33
Yearly electricity production (kWh)	502,456.00
Yearly Oil Consumption (L)	177,021.82
Yearly Lube Oil Consumption (L)	1,503.50
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)	471.30



GA. KON'DEY

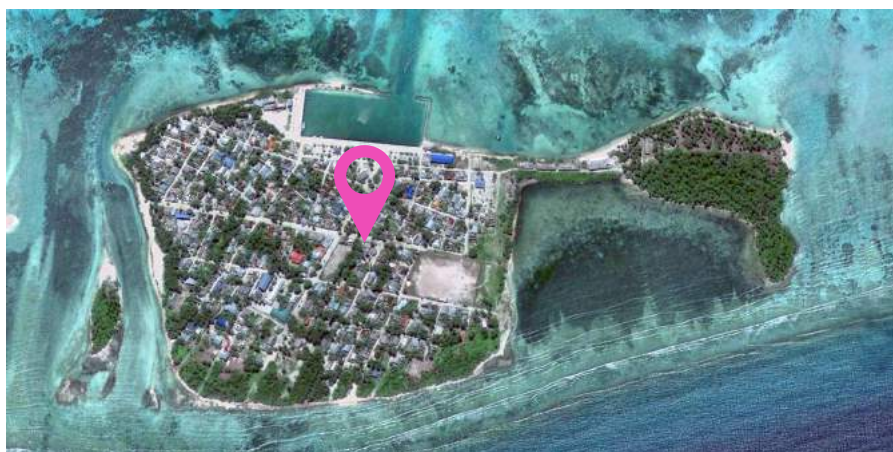
Population	220
Area of Island (km ²)	1.20
Distance from Male' (km)	409.3
Nearest Airport	Kooddoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	64
Peak load time	12:00
Installed Capacity (kW)	148
Installed Generator sets (kW)	68,80
Monthly Average Usage (kWh)	23689.58
Yearly electricity production (kWh)	284,275.00
Yearly Oil Consumption (L)	117,191.00
Yearly Lube Oil Consumption (L)	816.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	312.01



GA

GA. KOLAMAAFUSHI

Population	979
Area of Island (km ²)	0.30
Distance from Male' (km)	374.1
Nearest Airport	Kooddoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	202
Peak load time	12:00
Installed Capacity (kW)	670
Installed Generator sets (kW)	190,200,280
Monthly Average Usage (kWh)	80862.17
Yearly electricity production (kWh)	970,346.00
Yearly Oil Consumption (L)	325,438.75
Yearly Lube Oil Consumption (L)	1,225.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2006
Distribution Cable size (mm ²)	16,95
CO ₂ emission (tCO ₂)	866.45



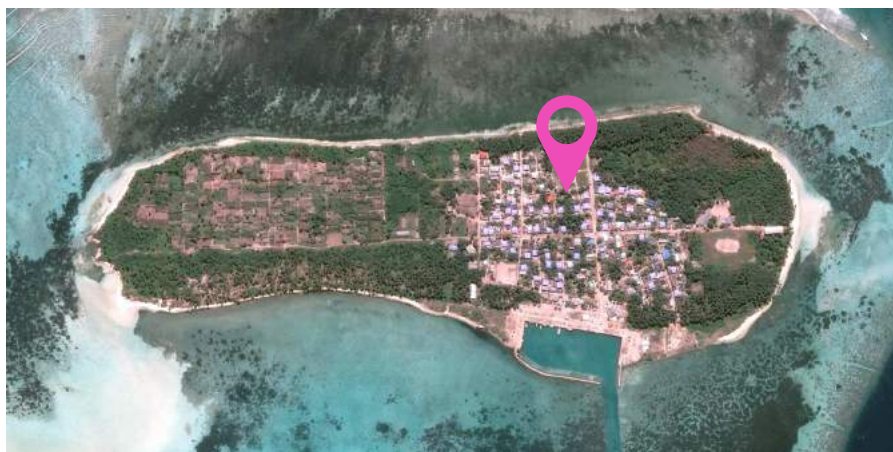
GA

GA. MAAMENDHOO

Population	1138
Area of Island (km ²)	0.50
Distance from Male' (km)	385.4
Nearest Airport	Kooddoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	250
Peak load time	12:00
Installed Capacity (kW)	480
Installed Generator sets (kW)	200,160,120
Monthly Average Usage (kWh)	82866.83
Yearly electricity production (kWh)	994,402.00
Yearly Oil Consumption (L)	355,030.00
Yearly Lube Oil Consumption (L)	2,004.40
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)	945.23



Population	592
Area of Island (km ²)	0.60
Distance from Male' (km)	394.5
Nearest Airport	Kooddoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	169
Peak load time	20:00
Installed Capacity (kW)	770
Installed Generator sets (kW)	160,200,160,250
Monthly Average Usage (kWh)	50834.24
Yearly electricity production (kWh)	610,010.93
Yearly Oil Consumption (L)	208,252.36
Yearly Lube Oil Consumption (L)	1,188.00
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)	554.45

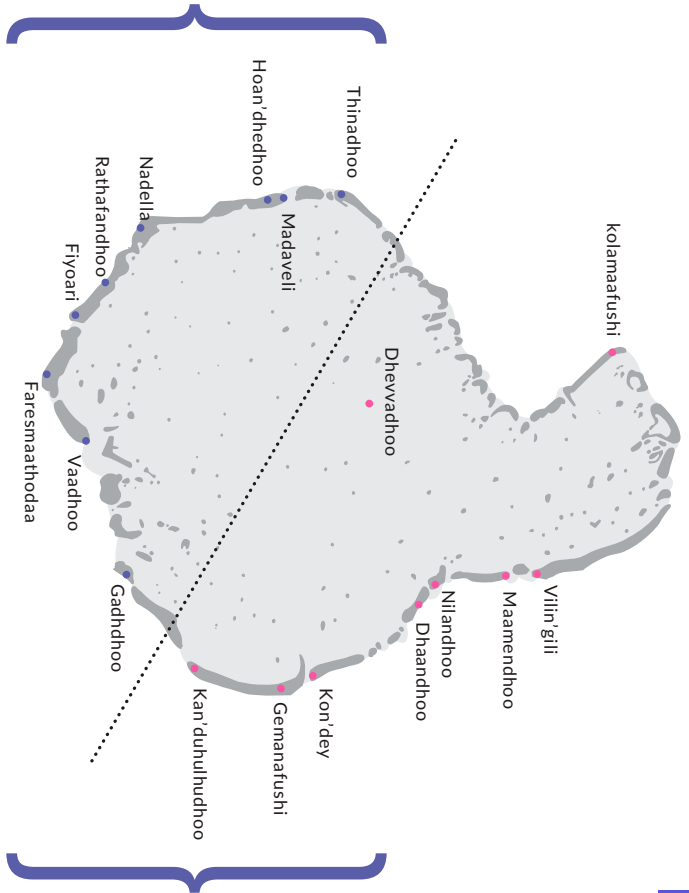


GA. VILIN'GILI

Population	2900
Area of Island (km ²)	0.60
Distance from Male' (km)	381.7
Nearest Airport	Kooddoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	854
Peak load time	13:00
Installed Capacity (kW)	770
Installed Generator sets (kW)	160,200,160,250
Monthly Average Usage (kWh)	361020.33
Yearly electricity production (kWh)	4,332,244.00
Yearly Oil Consumption (L)	1,360,032.00
Yearly Lube Oil Consumption (L)	7,051.00
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)	3620.95



ISLAND ELECTRICITY DATA 2016 OF :
GAAFU DHAALU ATOLL

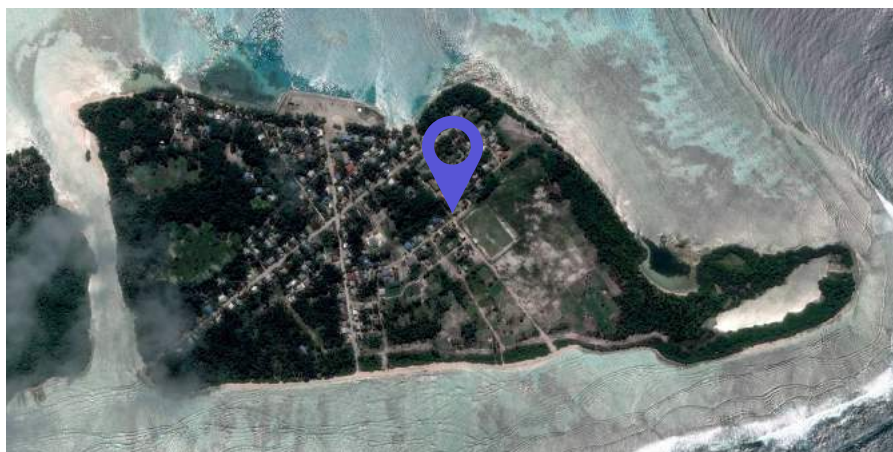


GDH. FARESMAATHODAA

Population	1059
Area of Island (km ²)	0.40
Distance from Male' (km)	444.1
Nearest Airport	Kaadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	193
Peak load time	12:00
Installed Capacity (kW)	580
Installed Generator sets (kW)	150,180,250
Monthly Average Usage (kWh)	80528.98
Yearly electricity production (kWh)	966,347.70
Yearly Oil Consumption (L)	321,350.18
Yearly Lube Oil Consumption (L)	521.33
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2009
Distribution Cable size (mm ²)	35, 50, 70
CO ₂ emission (tCO ₂)	855.56

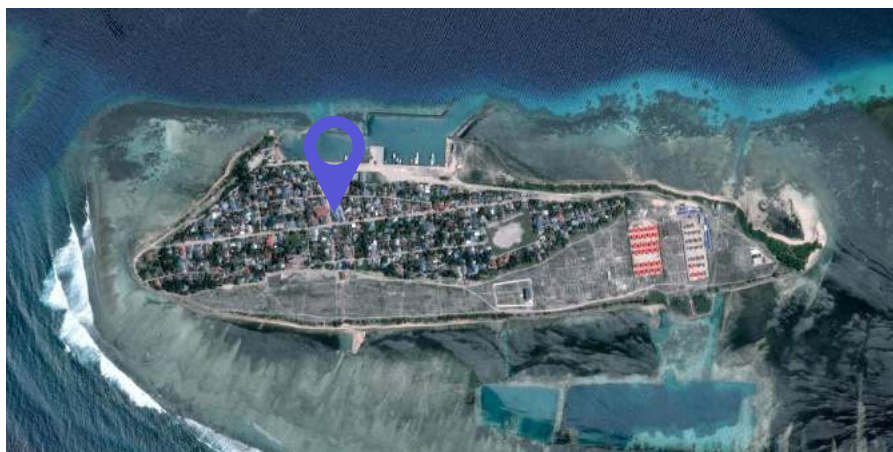


Population	825
Area of Island (km ²)	0.80
Distance from Male' (km)	442.8
Nearest Airport	Kaadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	98
Peak load time	13:00
Installed Capacity (kW)	410
Installed Generator sets (kW)	80,80,250
Monthly Average Usage (kWh)	50028.83
Yearly electricity production (kWh)	600,346.00
Yearly Oil Consumption (L)	181,923.00
Yearly Lube Oil Consumption (L)	730.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	25 to 165
CO ₂ emission (tCO ₂)	484.35



GDH. GADHDHOO

Population	1489
Area of Island (km ²)	0.30
Distance from Male' (km)	433.4
Nearest Airport	Kooddoo Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	338
Peak load time	13:00
Installed Capacity (kW)	1050
Installed Generator sets (kW)	300,500,250
Monthly Average Usage (kWh)	159235.83
Yearly electricity production (kWh)	1,910,830.00
Yearly Oil Consumption (L)	544,136.00
Yearly Lube Oil Consumption (L)	1,372.36
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)	1448.71



Population	796
Area of Island (km ²)	0.90
Distance from Male' (km)	418.7
Nearest Airport	Kaadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	235
Peak load time	12:00
Installed Capacity (kW)	579
Installed Generator sets (kW)	109,60,250,160
Monthly Average Usage (kWh)	77913.76
Yearly electricity production (kWh)	934,965.15
Yearly Oil Consumption (L)	333,259.23
Yearly Lube Oil Consumption (L)	1,786.50
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16, 25
CO ₂ emission (tCO ₂)	887.27



GDH. MADAVELI

Population	1259
Area of Island (km ²)	0.40
Distance from Male' (km)	416.9
Nearest Airport	Kaadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	201
Peak load time	12:00
Installed Capacity (kW)	625
Installed Generator sets (kW)	231,144,250
Monthly Average Usage (kWh)	63143.83
Yearly electricity production (kWh)	757,726.00
Yearly Oil Consumption (L)	370,186.00
Yearly Lube Oil Consumption (L)	1,762.00
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)	985.58



Population	725
Area of Island (km ²)	0.40
Distance from Male' (km)	434.8
Nearest Airport	Kaadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	127
Peak load time	12:30
Installed Capacity (kW)	333
Installed Generator sets (kW)	100,150,83
Monthly Average Usage (kWh)	45597.83
Yearly electricity production (kWh)	547,174.00
Yearly Oil Consumption (L)	172,295.00
Yearly Lube Oil Consumption (L)	912.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25, 35
CO ₂ emission (tCO ₂)	458.72



GDH. RATHAFANDHOO

Population	553
Area of Island (km ²)	0.40
Distance from Male' (km)	439.5
Nearest Airport	Kaadhdhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	131
Peak load time	13:00
Installed Capacity (kW)	364
Installed Generator sets (kW)	160,84,120
Monthly Average Usage (kWh)	46959.53
Yearly electricity production (kWh)	563,514.34
Yearly Oil Consumption (L)	190,980.00
Yearly Lube Oil Consumption (L)	689.45
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	508.47



Population	5268
Area of Island (km ²)	1.20
Distance from Male' (km)	409.7
Nearest Airport	Kaadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	1,376
Peak load time	12:30
Installed Capacity (kW)	3120
Installed Generator sets (kW)	1000,1120,1000
Monthly Average Usage (kWh)	651604.33
Yearly electricity production (kWh)	7,819,252.00
Yearly Oil Consumption (L)	2,188,284.00
Yearly Lube Oil Consumption (L)	9,785.00
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)	5826.09

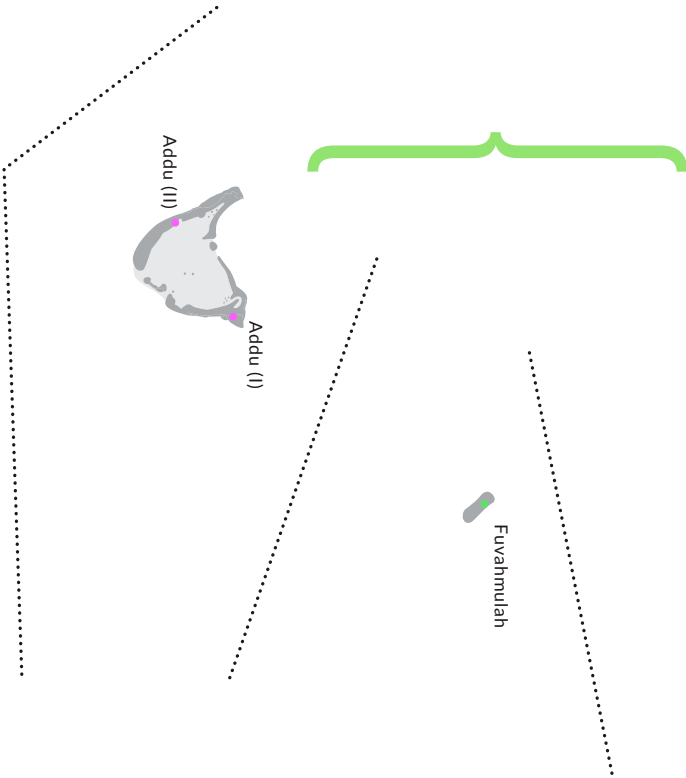


GDH. VAADHOO

Population	741
Area of Island (km ²)	1.90
Distance from Male' (km)	439.9
Nearest Airport	Kaadhdhoo Aiport
Electricity Provider	FENAKA
Daily Peak Load (kW)	166
Peak load time	12:00
Installed Capacity (kW)	418
Installed Generator sets (kW)	138,100,180
Monthly Average Usage (kWh)	60326.67
Yearly electricity production (kWh)	723,920.00
Yearly Oil Consumption (L)	253,990.91
Yearly Lube Oil Consumption (L)	1,111.09
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	35,50,70,95
CO ₂ emission (tCO ₂)	676.23



ISLAND ELECTRICITY DATA 2016 OF :
GNAVIYANI ATOLL

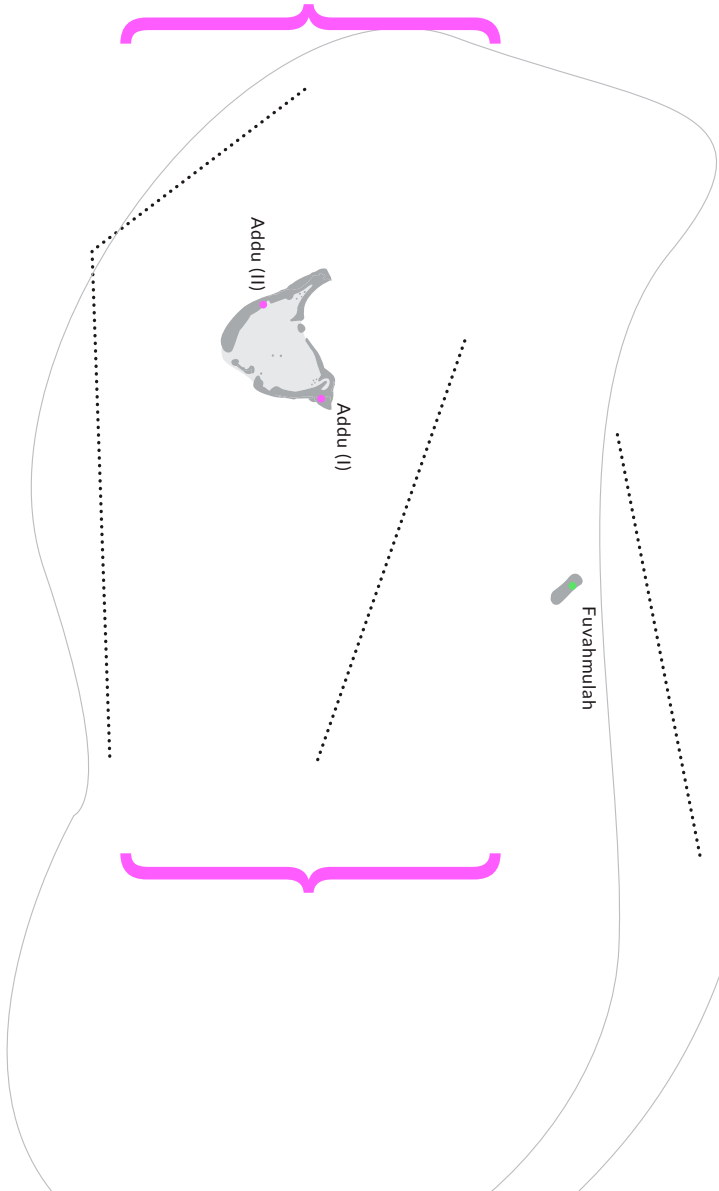


GN. FUVAHMULAH

Population	8579
Area of Island (km ²)	4.90
Distance from Male' (km)	496.5
Nearest Airport	Fuvamulah Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	2,005
Peak load time	12:00
Installed Capacity (kW)	3320
Installed Generator sets (kW)	1000,720,1000,600
Monthly Average Usage (kWh)	961291.08
Yearly electricity production (kWh)	11,535,493.00
Yearly Oil Consumption (L)	3,185,959.20
Yearly Lube Oil Consumption (L)	11,473.09
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1991
Distribution Cable size (mm ²)	25,35,50,70,95,120,150
CO ₂ emission (tCO ₂)	8482.30



ISLAND ELECTRICITY DATA 2016 OF :
SEENU ATOLL

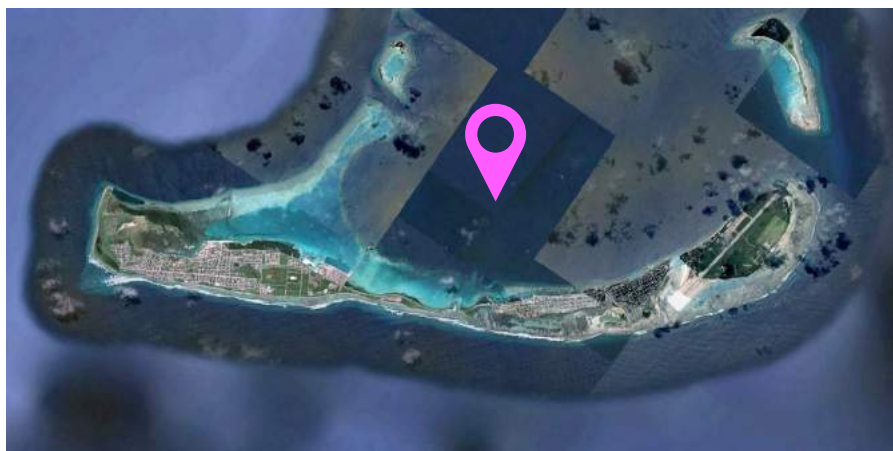


S. ADDU (I)

Population	3461
Area of Island (km ²)	3.00
Distance from Male' (km)	532.5
Nearest Airport	Gan International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	676
Peak load time	19:30
Installed Capacity (kW)	1495
Installed Generator sets (kW)	165,165,165,500,500
Monthly Average Usage (kWh)	310214.58
Yearly electricity production (kWh)	3,722,575.00
Yearly Oil Consumption (L)	1,082,901.00
Yearly Lube Oil Consumption (L)	4,737.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1996
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	2883.12



Population	17935
Area of Island (km ²)	8.00
Distance from Male' (km)	535.6
Nearest Airport	Gan International Airport
Electricity Provider	FENAKA
Daily Peak Load (kW)	5,800
Peak load time	15:00
Installed Capacity (kW)	8650
Installed Generator sets (kW)	750,750,750,1000,1600,1000,1000,1000,800
Monthly Average Usage (kWh)	2756647.83
Yearly electricity production (kWh)	33,079,774.00
Yearly Oil Consumption (L)	9,325,115.00
Yearly Lube Oil Consumption (L)	36,798.00
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
CO ₂ emission (tCO ₂)	24827.19





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ISLAND ELECTRICITY DATA 2016 OF :
RESORTS OF MALDIVES

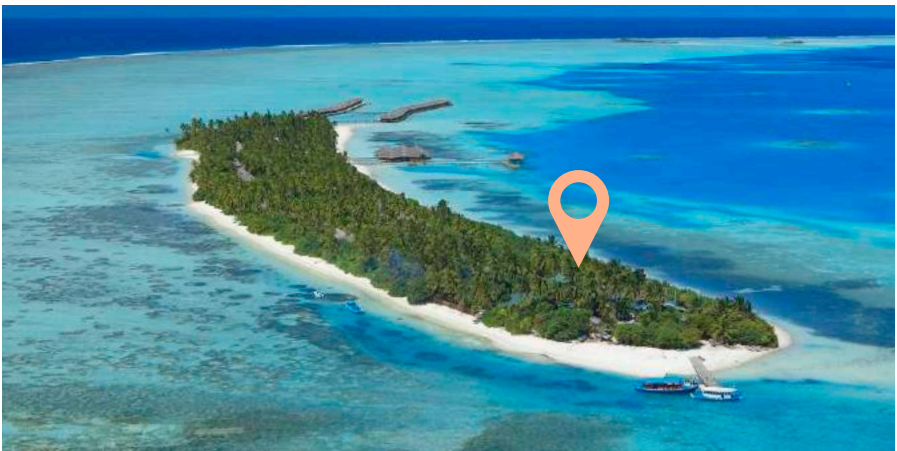
VELAA PRIVATE ISLAND

Atoll & Island	N. Fushivelaavaru
Year of Opening	2013
Bed Capacity	134
Installed Capacity (kW)	2912
Installed Generator Sets (kW)	656,656,800,800
Daily Peak Load (kW)	1358
Peak load Time	14:50
Yearly Oil Consumption (L)	2131433
Yearly Electricity Production (kWh)	8,139,476
CO2 emission (tCO ₂)	5,674.73
Renewable Energy	None



THE SUN SIYAM IRUFUSHI MALDIVES

Atoll & Island	N. Medhafushi
Year of Opening	2008
Bed Capacity	221
Installed Capacity (kW)	4112
Installed Generator Sets (kW)	12,120,012,001,700
Daily Peak Load (kW)	2059
Peak load Time	-
Yearly Oil Consumption (L)	1,058,782
Yearly Electricity Production (kWh)	2,787,938
CO2 emission (tCO ₂)	2,818.90
Renewable Energy	Solar Water Heating (24kW)



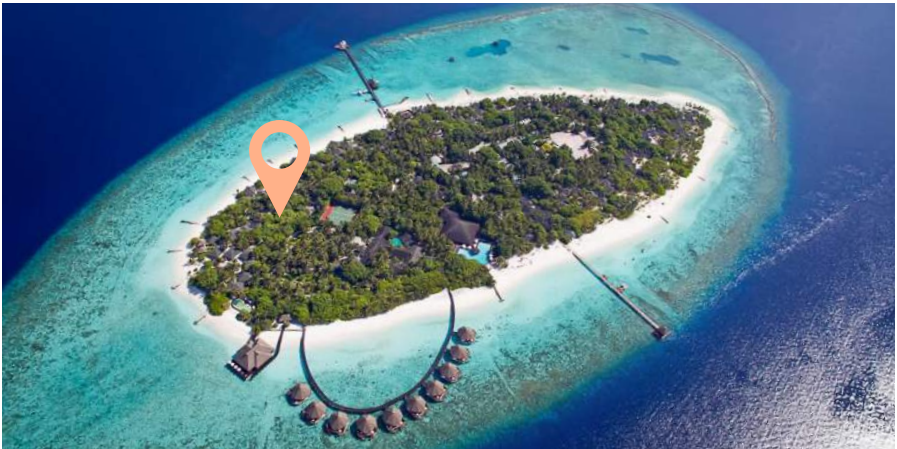
CHEVAL BLANC RANDHELI

Atoll & Island	N. Randheli
Year of Opening	2013
Bed Capacity	120
Installed Capacity (kW)	2183
Installed Generator Sets (kW)	215,656,656,656
Daily Peak Load (kW)	1870
Peak load Time	14:20
Yearly Oil Consumption (L)	2,736,147
Yearly Electricity Production (kWh)	10,559,542
CO2 emission (tCO ₂)	7,284.72
Renewable Energy	Solar PV (320kW)



ADAARAN SELECT MEEDHUPPARU

Atoll & Island	R. Meedhupparu
Year of Opening	2000
Bed Capacity	238
Installed Capacity (kW)	1312
Installed Generator Sets (kW)	198,458,656
Daily Peak Load (kW)	1000
Peak load Time	-
Yearly Oil Consumption (L)	1,659,523
Yearly Electricity Production (kWh)	6,066,718
CO2 emission (tCO ₂)	4,418.31
Renewable Energy	Solar Water Heating (3.6kW)



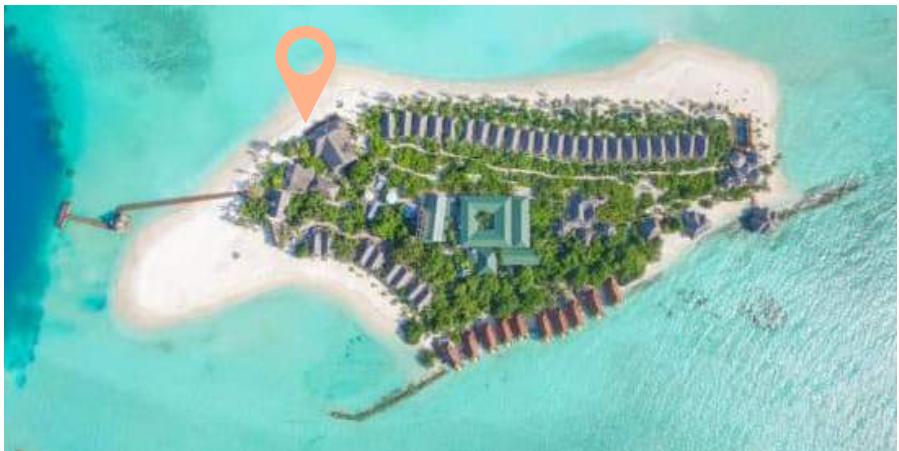
COCO PALM DHUNIKOLHU

Atoll & Island	B. Dhunikolhu
Year of Opening	1998
Bed Capacity	196
Installed Capacity (kW)	1928
Installed Generator Sets (kW)	304,304,360,360,600
Daily Peak Load (kW)	780
Peak load Time	17:55
Yearly Oil Consumption (L)	951,896
Yearly Electricity Production (kWh)	3,110,352
CO2 emission (tCO ₂)	2,534.33
Renewable Energy	None



DHIGUFARU ISLAND RESORT

Atoll & Island	B. Dhigufaruvinagan'du
Year of Opening	2016
Bed Capacity	40
Installed Capacity (kW)	1824
Installed Generator Sets (kW)	240,320,440,824
Daily Peak Load (kW)	615
Peak load Time	-
Yearly Oil Consumption (L)	103,085
Yearly Electricity Production (kWh)	506,563
CO2 emission (tCO ₂)	274.45
Renewable Energy	None



ROYAL ISLAND RESORT AND SPA

Atoll & Island	B. Horubadhoo
Year of Opening	2001
Bed Capacity	304
Installed Capacity (kW)	2000
Installed Generator Sets (kW)	600,600,800
Daily Peak Load (kW)	802
Peak load Time	15:17
Yearly Oil Consumption (L)	1,340,756
Yearly Electricity Production (kWh)	4,459,071
CO ₂ emission (tCO ₂)	3,569.63
Renewable Energy	Solar Water Heating (2.2kW)



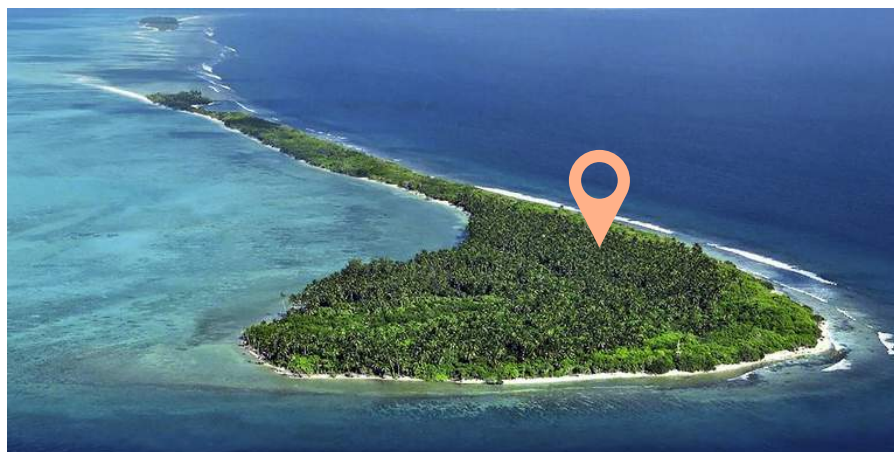
FOUR SEASONS RESORT MALDIVES

Atoll & Island	B. Lan'daagiraavaru
Year of Opening	2007
Bed Capacity	244
Installed Capacity (kW)	4012
Installed Generator Sets (kW)	400,720,800,800,1292
Daily Peak Load (kW)	2026
Peak load Time	15:25
Yearly Oil Consumption (L)	3,217,460
Yearly Electricity Production (kWh)	11,746,279
CO2 emission (tCO ₂)	8,566.17
Renewable Energy	Solar PV (17kW), Solar Water Heating (2.4kW), Solar Lights (3W)



ATMOSPHERE KANIFUSHI

Atoll & Island	LH. Kanifushi
Year of Opening	2013
Bed Capacity	546
Installed Capacity (kW)	3748
Installed Generator Sets (kW)	84,484,410,301,030
Daily Peak Load (kW)	1028
Peak load Time	-
Yearly Oil Consumption (L)	1,561,155
Yearly Electricity Production (kWh)	5,943,083
CO2 emission (tCO ₂)	4,156.42
Renewable Energy	Waste Heat Recovery (125kW)



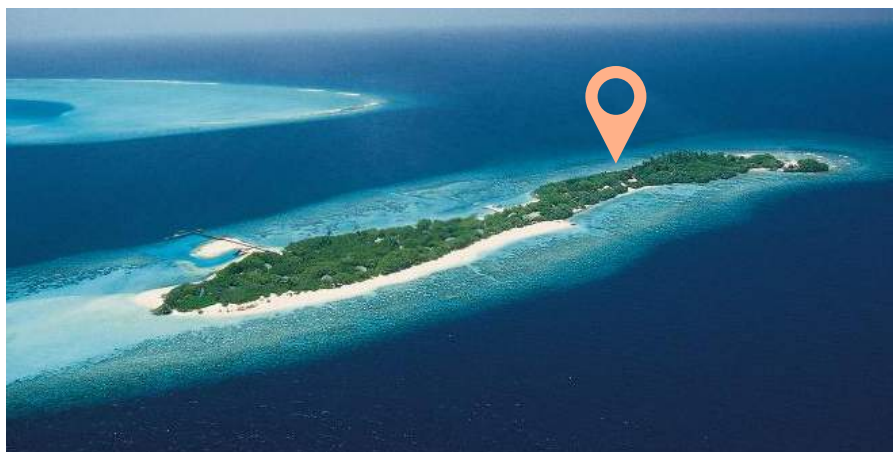
EMBUDHU VILLAGE

Atoll & Island	K. Embudhu
Year of Opening	1979
Bed Capacity	236
Installed Capacity (kW)	1440
Installed Generator Sets (kW)	200,200,280,280,480
Daily Peak Load (kW)	400
Peak load Time	-
Yearly Oil Consumption (L)	541,305
Yearly Electricity Production (kWh)	1,883,369
CO2 emission (tCO ₂)	1,441.17
Renewable Energy	Solar Water Heating (1.1kW)



OBLU BY ATMOSPHERE AT HELENGELI

Atoll & Island	K. Helengeli
Year of Opening	2015
Bed Capacity	120
Installed Capacity (kW)	1700
Installed Generator Sets (kW)	400,650,650
Daily Peak Load (kW)	553
Peak load Time	14:40
Yearly Oil Consumption (L)	968,346
Yearly Electricity Production (kWh)	2,827,058
CO2 emission (tCO ₂)	2,578.12
Renewable Energy	None



Atoll & Island	K. Kanifinolhu
Year of Opening	-
Bed Capacity	-
Installed Capacity (kW)	2912
Installed Generator Sets (kW)	728,728,728,728
Daily Peak Load (kW)	1643
Peak load Time	13:20
Yearly Oil Consumption (L)	2,534,799
Yearly Electricity Production (kWh)	10,185,087
CO2 emission (tCO ₂)	6,748.65
Renewable Energy	None



HOLIDAY INN RESORT KANDOOMA

Atoll & Island	K. Kandoomaafushi
Year of Opening	2008
Bed Capacity	-
Installed Capacity (kW)	2450
Installed Generator Sets (kW)	450,500,500,500,500
Daily Peak Load (kW)	1000
Peak load Time	-
Yearly Oil Consumption (L)	1,891,278
Yearly Electricity Production (kWh)	5,937,583
CO2 emission (tCO ₂)	5,035.34
Renewable Energy	None



FOUR SEASONS RESORT MALDIVES

Atoll & Island	K. Kudahuraa
Year of Opening	1998
Bed Capacity	208
Installed Capacity (kW)	2120
Installed Generator Sets (kW)	280,280,280,640,640
Daily Peak Load (kW)	1450
Peak load Time	-
Yearly Oil Consumption (L)	1,979,949
Yearly Electricity Production (kWh)	7,501,561
CO2 emission (tCO ₂)	5,271.42
Renewable Energy	None



GILI LANKANFUSHI

Atoll & Island	K. Lannkanfushi
Year of Opening	2000
Bed Capacity	94
Installed Capacity (kW)	1900
Installed Generator Sets (kW)	450,450,500,500
Daily Peak Load (kW)	775
Peak load Time	18:15
Yearly Oil Consumption (L)	1,086,039
Yearly Electricity Production (kWh)	4,047,648
CO2 emission (tCO ₂)	2,891.47
Renewable Energy	None



COMO COCOA ISLAND

Atoll & Island	K. Makunufushi
Year of Opening	2002
Bed Capacity	33
Installed Capacity (kW)	1200
Installed Generator Sets (kW)	400,400,400
Daily Peak Load (kW)	700
Peak load Time	-
Yearly Oil Consumption (L)	840,875
Yearly Electricity Production (kWh)	2,788,820
CO2 emission (tCO ₂)	2,238.75
Renewable Energy	None



OLHUVELI BEACH & SPA MALDIVES

Atoll & Island	K. Olhuveli
Year of Opening	-
Bed Capacity	-
Installed Capacity (kW)	3465
Installed Generator Sets (kW)	500, 640, 1000, 1325
Daily Peak Load (kW)	1435
Peak load Time	7:45
Yearly Oil Consumption (L)	1,888,883
Yearly Electricity Production (kWh)	6,959,291
CO2 emission (tCO ₂)	5,028.96
Renewable Energy	Solar Water Heating (17kW)



ONE & ONLY REETHIRAH RESORT

Atoll & Island	K. Reethirah
Year of Opening	2005
Bed Capacity	130
Installed Capacity (kW)	4400
Installed Generator Sets (kW)	800,800,800,1000,1000
Daily Peak Load (kW)	2550
Peak load Time	-
Yearly Oil Consumption (L)	4,591,651
Yearly Electricity Production (kWh)	17,691,406
CO2 emission (tCO ₂)	12,224.81
Renewable Energy	349 Solar Lights



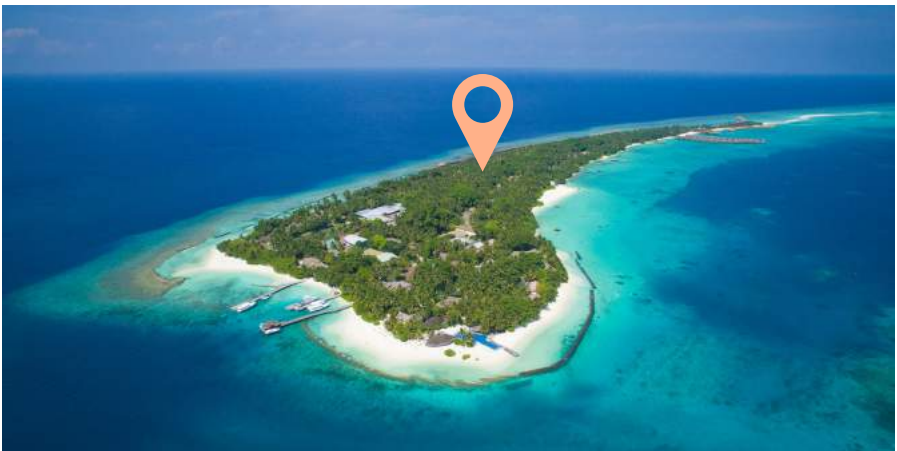
BANYANTREE MALDIVES VABBINFARU

Atoll & Island	K. Vabbinfaru
Year of Opening	1995
Bed Capacity	48
Installed Capacity (kW)	1360
Installed Generator Sets (kW)	280,280,400,400
Daily Peak Load (kW)	558
Peak load Time	-
Yearly Oil Consumption (L)	935,425
Yearly Electricity Production (kWh)	3,019,261
CO2 emission (tCO ₂)	2,490.48
Renewable Energy	None



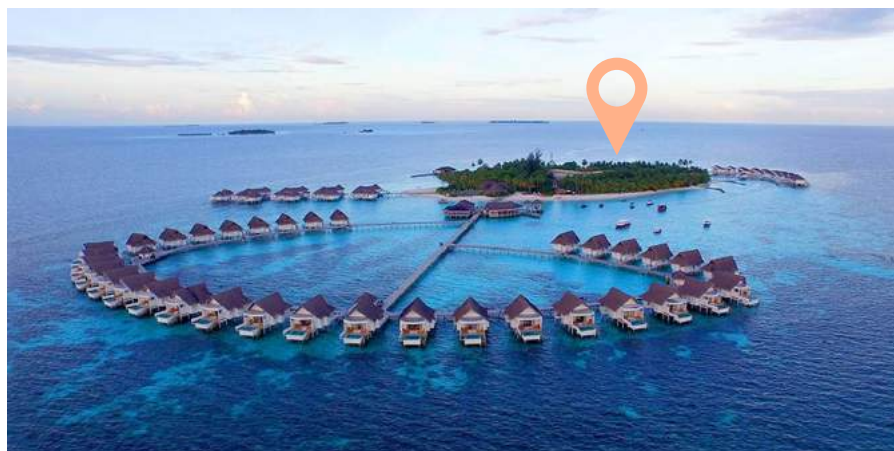
KURAMATHI ISLAND RESORT

Atoll & Island	AA. Kuramathi
Year of Opening	1977
Bed Capacity	790
Installed Capacity (kW)	6394
Installed Generator Sets (kW)	823,823,1548,1600,1600
Daily Peak Load (kW)	2380
Peak load Time	18:40
Yearly Oil Consumption (L)	3,108,588
Yearly Electricity Production (kWh)	13,189,023
CO2 emission (tCO ₂)	8,276.31
Renewable Energy	None



CENTARA GRAND ISLAND RESORT & SPA

Atoll & Island	ADh. Machchafushi
Year of Opening	-
Bed Capacity	-
Installed Capacity (kW)	3285
Installed Generator Sets (kW)	559, 720, 720, 1250
Daily Peak Load (kW)	840
Peak load Time	-
Yearly Oil Consumption (L)	1,582,678
Yearly Electricity Production (kWh)	5,462,228
CO2 emission (tCO ₂)	4,213.72
Renewable Energy	Solar Water Heating (28kW)



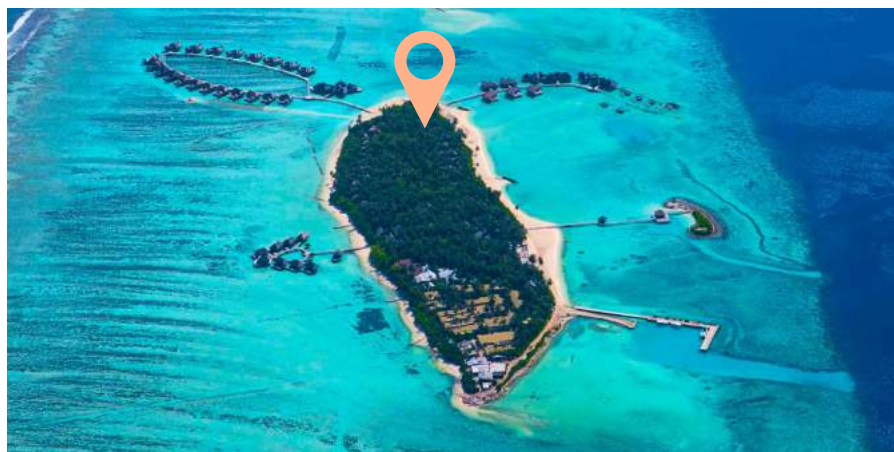
SUN AQUA VILU REEF

Atoll & Island	Dh. Meedhuffushi
Year of Opening	1998
Bed Capacity	206
Installed Capacity (kW)	2252
Installed Generator Sets (kW)	252,400,800,800
Daily Peak Load (kW)	730
Peak load Time	14:15
Yearly Oil Consumption (L)	1,237,926
Yearly Electricity Production (kWh)	4,642,411
CO2 emission (tCO ₂)	3,295.85
Renewable Energy	None



COMO MAALIFUSHI

Atoll & Island	TH. Maalifushi
Year of Opening	2014
Bed Capacity	146
Installed Capacity (kW)	2528
Installed Generator Sets (kW)	536,536,728,728
Daily Peak Load (kW)	1014
Peak load Time	-
Yearly Oil Consumption (L)	1,810,592
Yearly Electricity Production (kWh)	6,682,417
CO2 emission (tCO ₂)	4,820.52
Renewable Energy	None



SIX SENSES LAAMU

Atoll & Island	L. Olhuveli
Year of Opening	2011
Bed Capacity	98
Installed Capacity (kW)	1920
Installed Generator Sets (kW)	640,640,640
Daily Peak Load (kW)	-
Peak load Time	-
Yearly Oil Consumption (L)	1,845,511
Yearly Electricity Production (kWh)	4,960,733
CO2 emission (tCO ₂)	4,913.49
Renewable Energy	3 Heat Exchangers



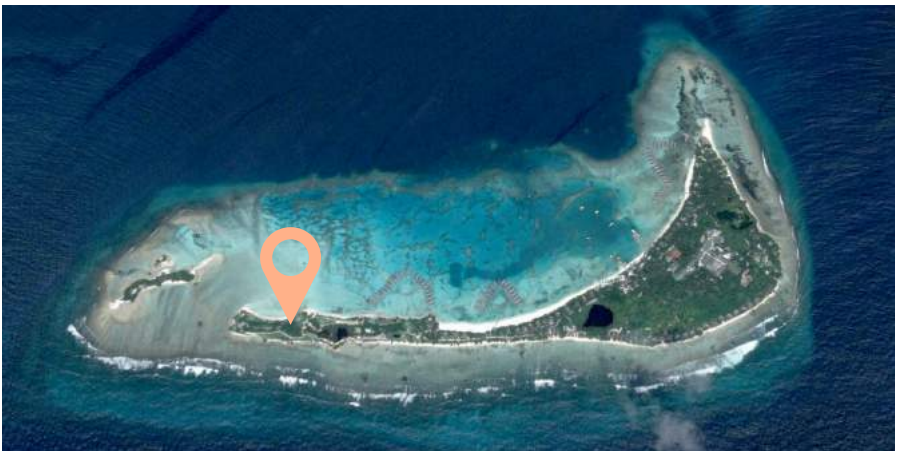
PARK HYATT MALDIVES HADAHAA

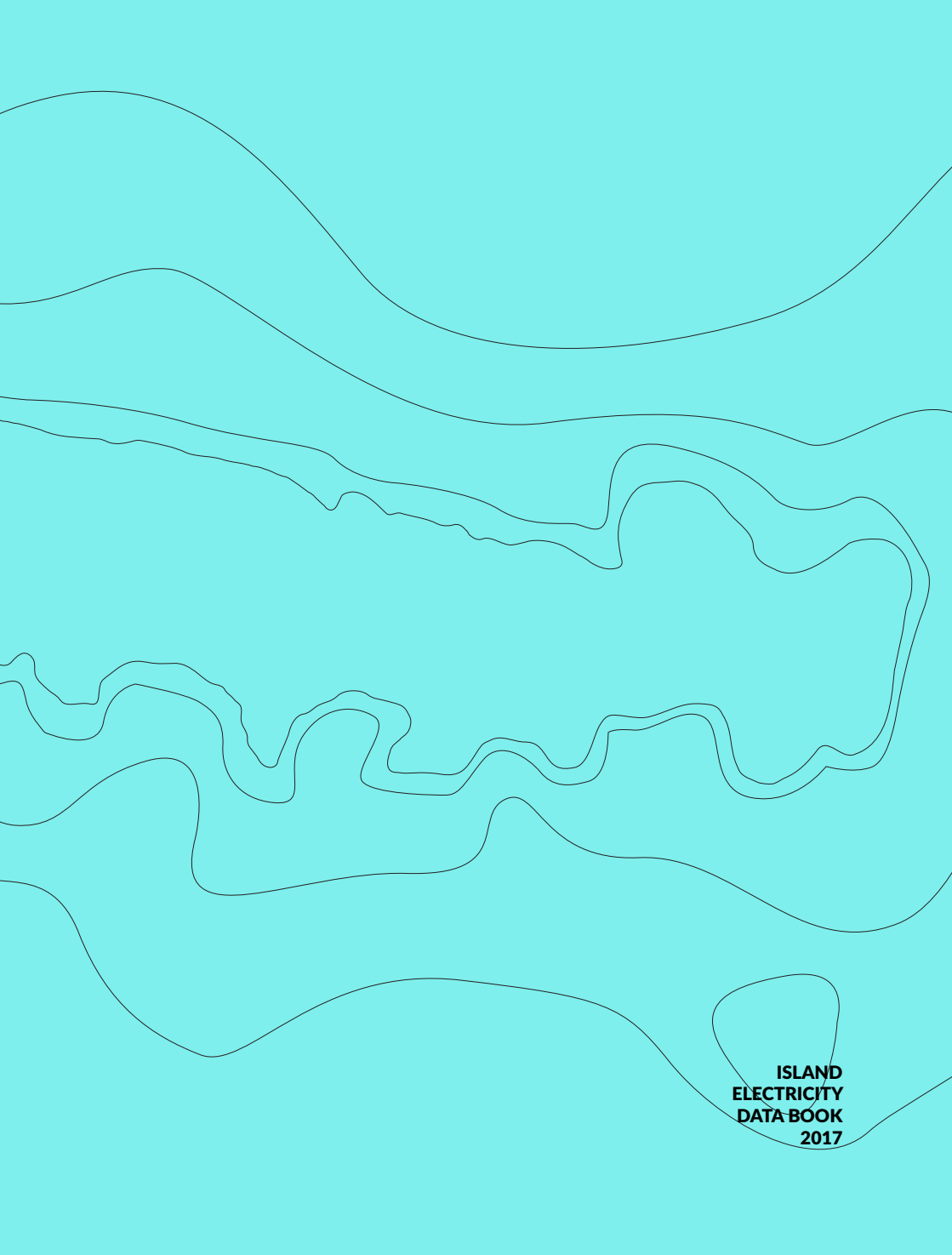
Atoll & Island	GA. Hadahaa
Year of Opening	2009
Bed Capacity	50
Installed Capacity (kW)	1600
Installed Generator Sets (kW)	400,400,400,400
Daily Peak Load (kW)	12930
Peak load Time	-
Yearly Oil Consumption (L)	1,098,499
Yearly Electricity Production (kWh)	3,843,422
CO2 emission (tCO ₂)	2,924.64
Renewable Energy	4 Hot water Recovery Systems



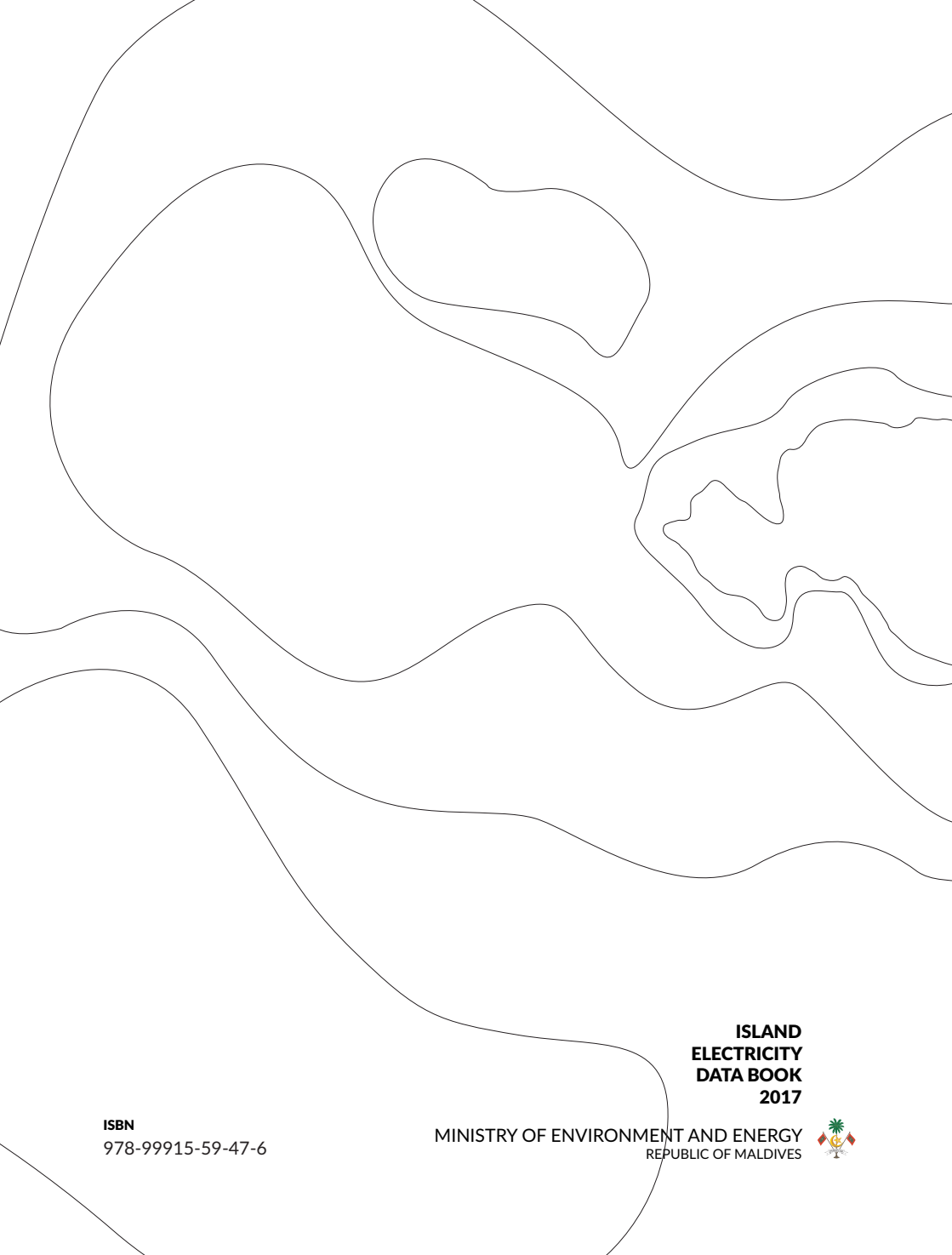
SHANGRI-LA VILLAGE RESORT & SPA

Atoll & Island	S. Vilingili
Year of Opening	2009
Bed Capacity	
Installed Capacity (kW)	4800
Installed Generator Sets (kW)	1200 X 4
Daily Peak Load (kW)	2432
Peak load Time	16:20
Yearly Oil Consumption (L)	3,602,964
Yearly Electricity Production (kWh)	13,671,393
CO2 emission (tCO ₂)	9,592.53
Renewable Energy	Solar Water Heating (36kW), Waste Heat Recovery (7.5kW)





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ISBN
978-99915-59-47-6

MINISTRY OF ENVIRONMENT AND ENERGY
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