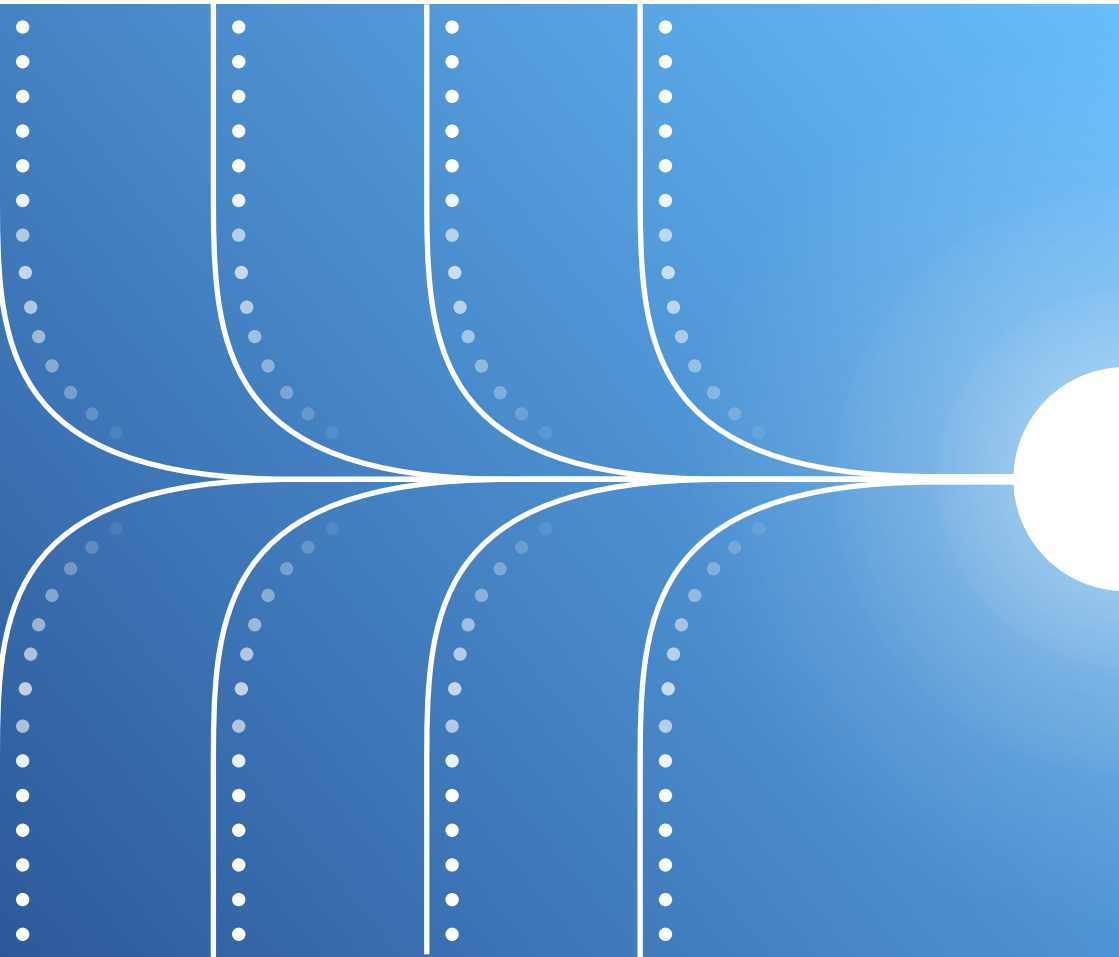




Maldives Energy Authority
Republic of Maldives

Island Electricity Data Book 2019



CONTRIBUTORS

Reviewers	Aminath Zahira, Fizna Yoosuf, Ahmed Jazlaan, Muawiyath Shareef
Data Collection, Validation	Aminath Zahira, Ahmed Jazlaan
Data Analysis and Compiling	Akram Waheed
Contributing Agencies	State Electric Company Ltd. FENAKA Corporation Limited Ministry of Tourism, MWSC Respective Island Councils, Resorts
Layout	Hussain Fazaal & Hasan Shafee Rasheed

FOREWORD



The Maldives' energy sector had continued to grow exponentially over the last several decades, with high dependency on imported fossil fuels as primary sources of energy. As of end of 2018, this had led to a national fuel expenditure of MVR 6.7 billion, out of which MVR 5.3 billion or 79% accounts for diesel imports.

As price volatility of the international market prices of fossil fuels continue to threaten our economy, the government continues to seek solutions through better understanding of the energy sector. The key pre-requisite for this is to gather high quality data on energy

consumption to enable better planning and development of energy sector.

For this purpose, the government had been compiling electricity data of the inhabited islands since 2013 with the aim to publish information on electricity generation, distribution, and usage on an annual basis. "Island Electricity Data book 2019" is the fifth edition of this series.

I would like to extend my gratitude to State Electric Company Ltd., FENAKA Corporation Ltd., Male' Water and Sewerage Company Pvt. Ltd., Ministry of Tourism, Maldives Association of Tourism Industry, Island Councils, Private companies and Resorts for contributing data to the Island Electricity Data book. I am also thankful to the staff of Maldives Energy Authority and Energy Department of Ministry of Environment for their dedication and commitment in publishing these data annually.

by Dr. Hussain Rasheed Hasan
Minister of Environment
25 December 2019

TABLE OF CONTENTS

Overview	10
Key findings	11
Graphs	14
Islands	22

Haa Alifu Atoll.

24

HA. Baarah	HA. Ihavandhoo	HA. Thakandhoo
HA. Dhidhdhoo	HA. Kelaa	HA. Thuraakunu
HA. Filladhoo	HA. Maarandhoo	HA. Uligamu
HA. Hoarafushi	HA. Mulhadhoo	HA. Utheem
	HA. Muraidhoo	HA. Vashafaru

Haa Dhaalu Atoll.

40

HDh. Finey	HDh. Kurinbee	HDh. Neykurendhoo
HDh. Hanimaadhoo	HDh. Makunudhoo	HDh. Nolhivaram
HDh. Hirimaradhoo	HDh. Naivaadhoo	HDh. Nolhivaranfaru
HDh. Kulhudhuffushi	HDh. Nellaidhoo	HDh. Vaikaradhoo
HDh. Kumundhoo		

Shaviyani Atoll.

56

Sh. Bilehfahi	Sh. Goidhoo	Sh. Maroshi
Sh. Feevah	Sh. Kanditheem	Sh. Milandhoo
Sh. Feydhoo	Sh. Komandoo	Sh. Narudhoo
Sh. Foakaidhoo	Sh. Lhaimagu	Sh. Noomaraa
Sh. Funadhoo	Sh. Maaungoodhoo	

Noonu Atoll.

72

N. Fodhdhoo	N. Landhoo	N. Magoodhoo
N. Henbadhoo	N. Lhohi	N. Manadhoo
N. Holhudhoo	N. Maafaru	N. Miladhoo
N. Kendhikuljudhoo	N. Maalhendhoo	N. Velidhoo
N. Kudafari		

Raa Atoll.

88

R. Alifushi	R. Inguraidhoo	R. Meedhoo
R. Angolhitheem	R. Innamaadhoo	R. Rasgetheemu
R. Dhuvaafaru	R. Kinolhas	R. Rasmaadhoo
R. Fainu	R. Maakurathu	R. Ungoofaaruu
R. Hulhudhuffaaruu	R. Maduvvari	R. Vaadhoo

Baa Atoll.

106

B. Dharavandhoo	B. Fulhadhoo	B. Kendhoo
B. Dhonfanu	B. Goidhoo	B. Kihaadhoo
B. Eydhafushi	B. Hithaadhoo	B. Kudarikilu
B. Fehendhoo	B. Kamadhoo	B. Maalhos
		B. Thulhaadhoo

Lhaviyani Atoll.

122

Lh. Hinnavaru
Lh. Kurendhoo
Lh. Naifaru
Lh. Olhuvelifushi

Kaafu Atoll.

128

K. Dhiffushi	K. Himmafushi	K. Male'
K. Gaafaru	K. Hulhumale'	K. Thilafushi
K. Gulhi	K. Kaashidhoo	K. Thulusdhoo
K. Gulhi Falhu	K. Maafushi	K. Villingili
K. Guraidhoo		

Alifu Alifu Atoll.

144

AA. Bodufulhadhoo	AA. Mathiveri
AA. Feridhoo	AA. Rasdhoo
AA. Himandhoo	AA. Thoddoo
AA. Maalhos	AA. Ukulhas

Alifu Dhaalu Atoll.

154

ADh. Dhangethi	ADh. Hangnaameedhoo	ADh. Mandhoo
ADh. Dhigurah	ADh. Kunburudhoo	ADh. Omadhoo
ADh. Dhihdhoo	ADh. Maamigili	
ADh. Fenfushi	ADh. Mahibadhoo	

Vaavu Atoll.

166

V. Felidhoo	V. Keyodhoo	V. Thinadhoo
V. Fulidhoo	V. Rakeedhoo	

Meemu Atoll.

174

M. Dhiggaru
M. Kolhufushi
M. Maduvvaree
M. Mulah

M. Muli
M. Naalaafushi
M. Raiymandhoo
M. Veyvah

Faafu Atoll.

184

F. Bilehdhoo
F. Dharanboodhoo
F. Feali

F. Magoodhoo
F. Nilandhoo

Dhaalu Atoll.

192

Dh. Bandidhoo
Dh. Hulhudheli
Dh. Kudahuvadhoo
Dh. Maaenboodhoo

Dh. Meedhoo
Dh. Rinbudhoo

Thaa Atoll.

200

Th. Buruni
Th. Dhiyamigili
Th. Gaadhiffushi
Th. Guraidhoo
Th. Hirilandhoo

Th. Kandoodhoo
Th. Kinbidhoo
Th. Madifushi
Th. Omadhoo

Th. Thimarafushi
Th. Vandhoo
Th. Veymandoo
Th. Vilufushi

Laamu Atoll.

216

L. Dhanbidhoo	L. Kalaidhoo	L. Maavah
L. Fonadhoo	L. Kunahandhoo	L. Mundoo
L. Gan (Mathimaradhoo)	L. Maabaidhoo	
L. Gan (Mukurimagu)	L. Maamendhoo	
L. Isdhoo		

Gaafu Alifu Atoll.

230

GA. Dhaandhoo	GA. Kanduhulhudhoo	GA. Maamendhoo
GA. Dhevvdhoo	GA. Kolamaafushi	GA. Nilandhoo
GA. Gemanafushi	GA. Kondey	GA. Villingili

Gaafu Dhaalu Atoll.

242

GDh. Faresmaathodaa	GDh. Hoadehdhoo	GDh. Rathafandhoo
GDh. Fiyoaree	GDh. Madaveli	GDh. Thinadhoo
GDh. Gahdhoo	GDh. Nadella	GDh. Vaadhoo

Gnaviyani Atoll.

254

Gn. Fuvahmulah

Seenu Atoll.

258

S. Hithadhoo	S. Gan
S. Maradhoo	S. Hulhudhoo
S. MaradhooFeydhoo	S.Meedhoo
S. Feydhoo	

OVERVIEW

The energy sector of Maldives is characterised by high dependence on fossil fuel in general, with primary uses being power production, transport (land, marine, aviation) and cooking. In particular, electricity is produced almost exclusively by diesel based generation systems established in island-grids for each islands, with limited solar PV installations which continue to grow as well.

While the data collection in this sector is expected to be done in a much broader context by both Ministry of Environment and Maldives Energy Authority, the Island Electricity Data Book (IEDB) focus is to demonstrate the island level electricity production and use.

The annual publication is expected to provide policy makers, investors, private sectors, academia and general public with broad oversight of island level electricity production and use.

The scope of IEDB covers inhabited islands and resorts where utilities and self-producers operate as registered service providers.

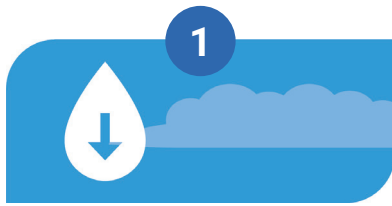
The data was collected through survey forms, validated, analysed reviewed prior to publishing. All data for IEDB is collected directly through services providers (utilities, councils, private parties and resort operators).

Historically, the IEDB had been published on an annual basis by the Ministry that had the mandate for energy sector, and was recently handed over to the Maldives Energy Authority who currently oversee the statistics relevant to energy production and use in the country.

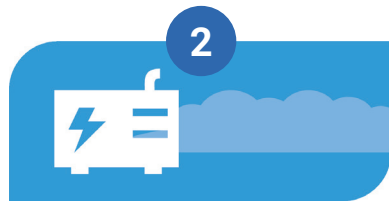
This version of IEDB had considered improving accuracy of survey data, new and better graphical visualisations and more focus on key information. The MEA will continue to improve the IEDB over the next iterations and intends to expand the scope of data collection and disseminate more detailed data to a wider audience in the future.

KEY FINDINGS

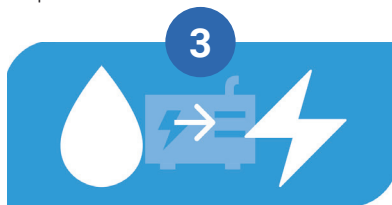
The following provides some of the key findings of the 2018 statistical data for the electricity sector.



Energy imports to Maldives totals to 643,900 Tonnes and consisted of aviation gas, diesel, petrol and cooking gas. Diesel fuel contributes to the highest percentage of the total, accounting to 81% of total fuel imports.



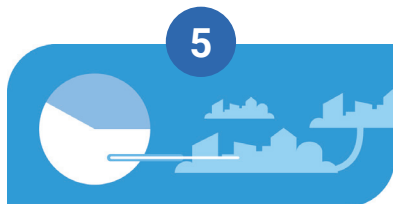
Total diesel generation installed capacity in Inhabited islands is 319MW, and estimated to be 210 MW in resorts. Thus the total installed capacity for Maldives is approximated at 530MW.



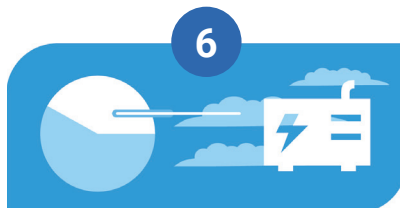
For power generation, a total of 213,612,457 Litres of diesel was consumed to produce 750.6 GWh of electricity.



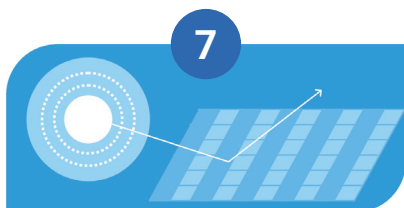
Total diesel generator installed capacities of each island typically varies from 100-800kW. Beyond this, there are 12 islands above 1MW, inclusive of Male' region.



Electricity Generation for the greater Malé region (Malé, Villingili and Hulhumalé) accounts for 58% of the total electricity generation of all the inhabited islands. This is the region with the highest annual electricity production of about 440 GWh, with an installed capacity of 162 MW.



Outer islands consumed 310 GWh of electricity, accounting to approximately 42% of energy for all inhabited islands, with a total installed diesel generation capacity of 156 MW



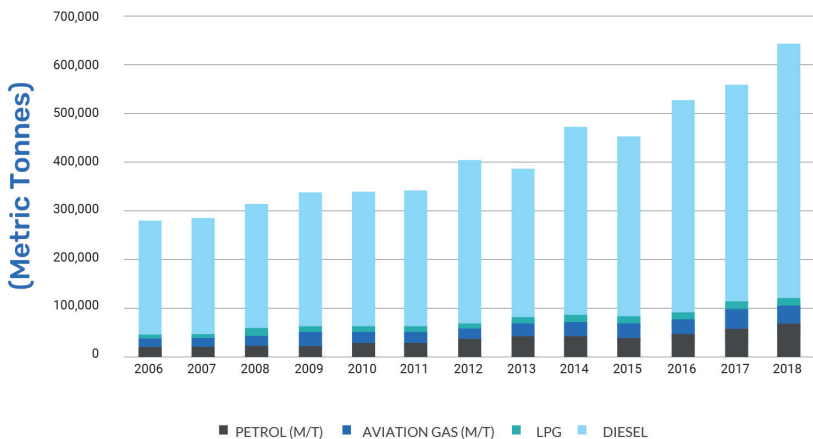
Total installed capacity of Renewable Energy systems of the Maldives by 2018 is 16.5MW, with an estimated production of 24 GWh annually.

Since 2016, the solar PV installation growth rate is in the range of 45%-55% annually.

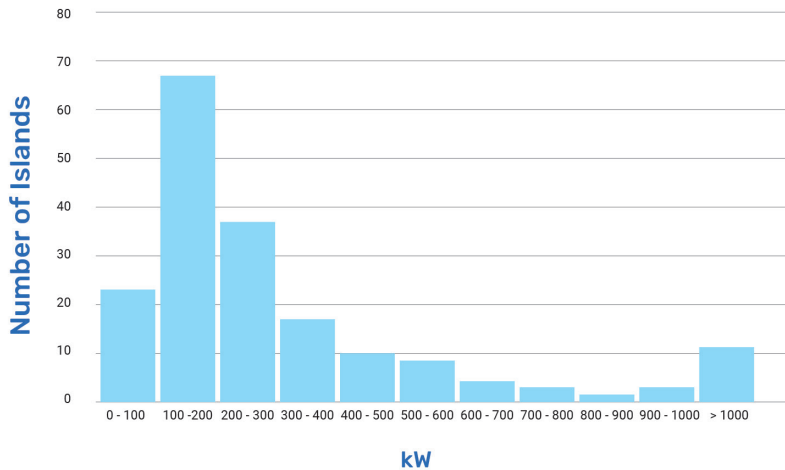


GRAPHS

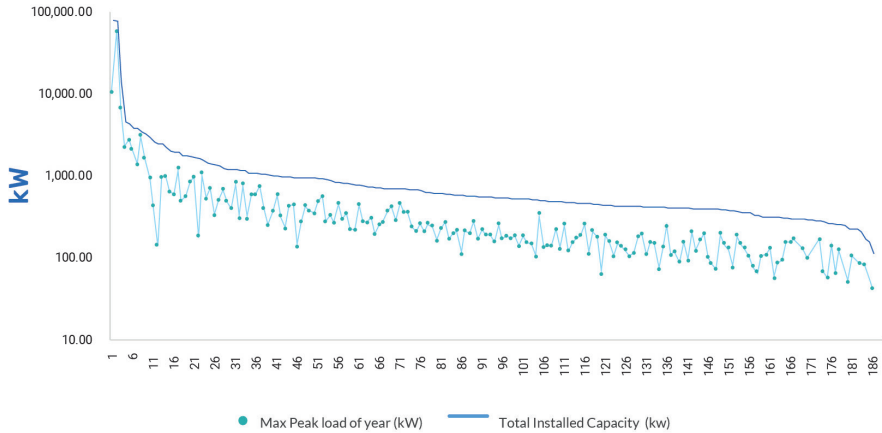
Fuel Import



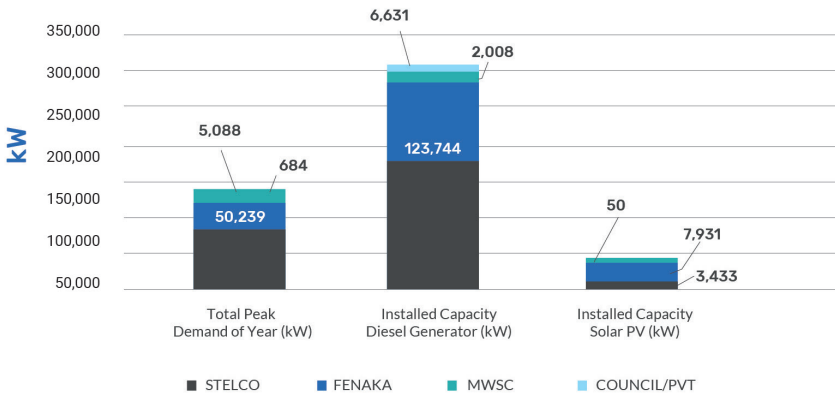
Distribution of Peak Loads of Inhabited Islands



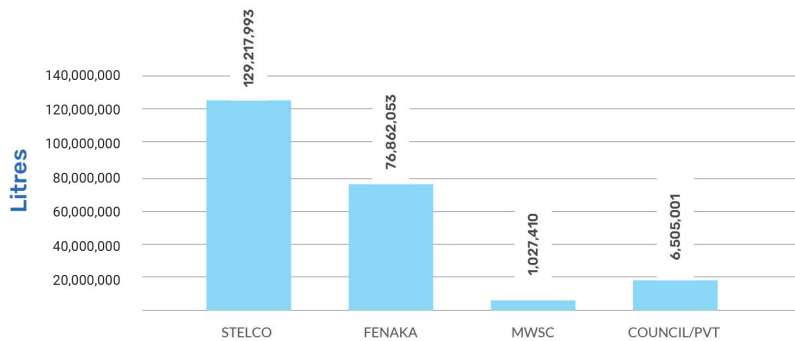
Total Installed Capacity (kW) and Respective Peak Loads (kW) by Inhabited Islands



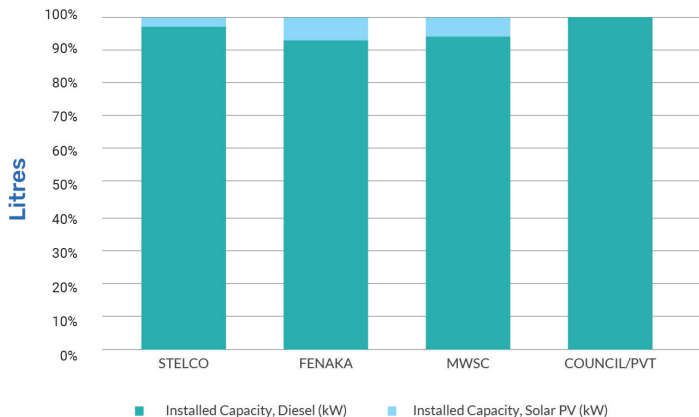
Inhabited Islands: Installed Capacities And Peak Demand



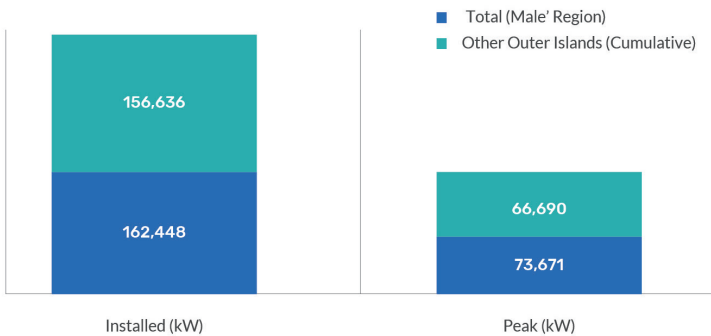
Inhabited Islands : Diesel Fuel Consumption by provider



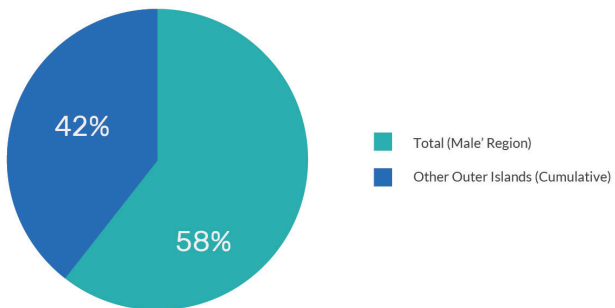
Inhabited Islands : Capacities by Percentage



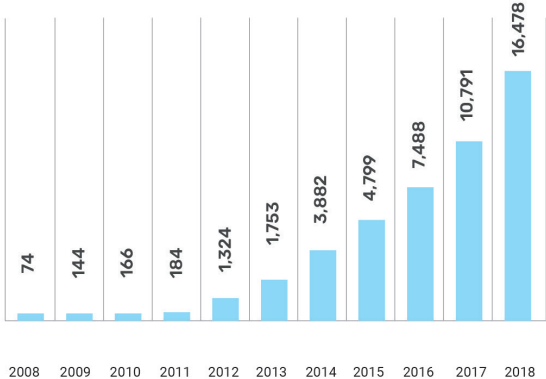
Inhabited Islands : Capacities by Percentage



kWh Consumed



Solar PV Installed Capacity (kW)





ISLANDS

Haa Alifu

ATOLL



POPULATION

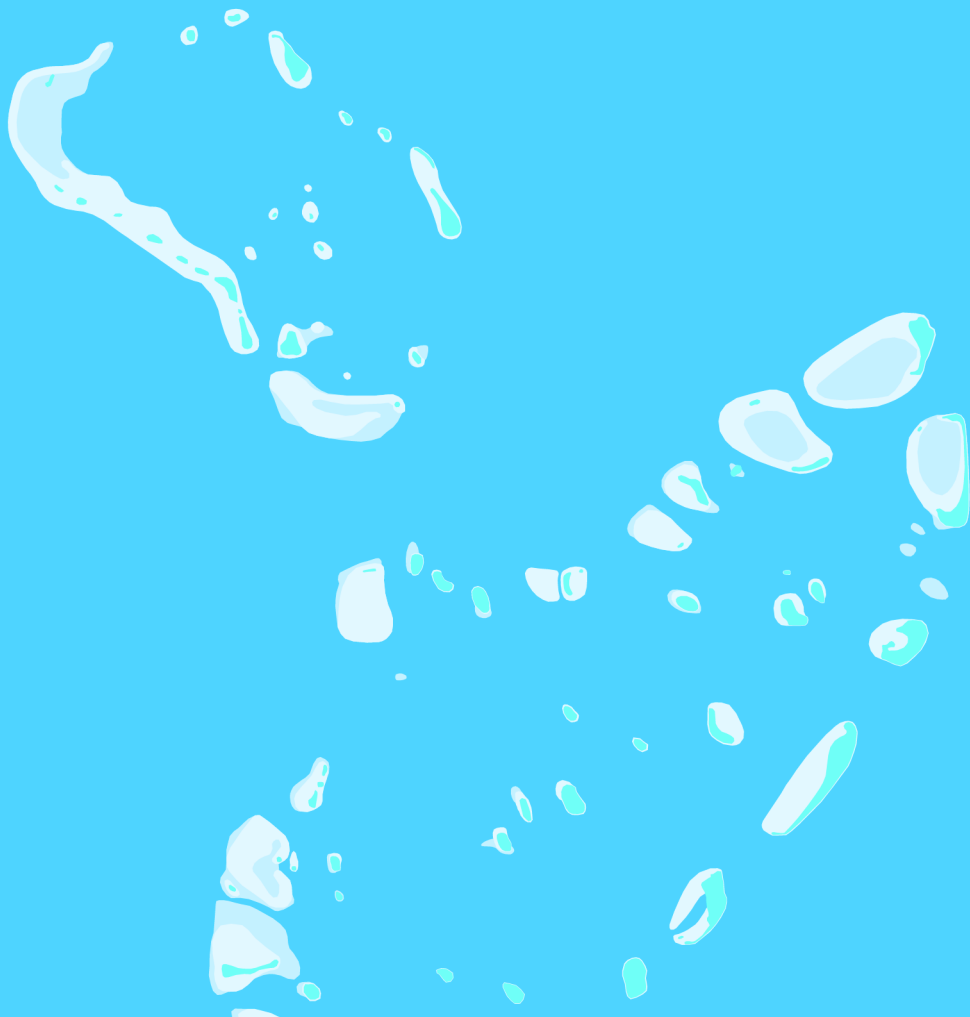
12,939

TOTAL ISLANDS

14

CAPITAL ISLAND

DHIDHDHOO





HA. Baarah

GEOGRAPHICAL INFORMATION



POPULATION
2,003



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
750

DEMAND & CAPACITY

- PEAK LOAD (kW)
259
- INSTALLED DIESEL GENERATOR SETS (kW)
313; 387; 150; 113; 330
- PEAK LOAD TIME
12:15
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1034

GENERATION AND CONSUMPTION

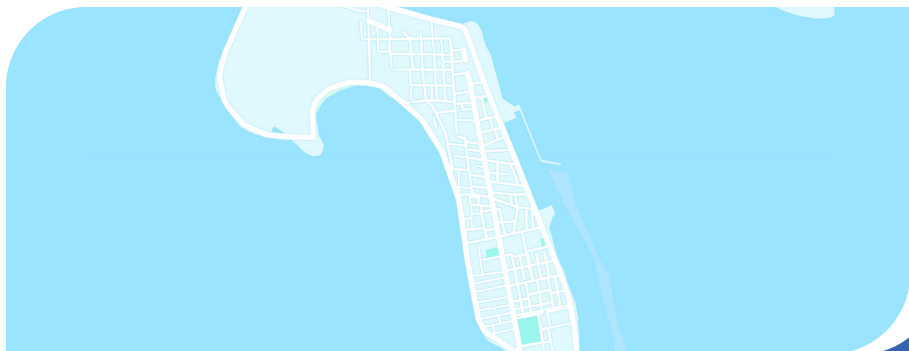
- ELECTRICITY PRODUCTION (kWh)
1,041,810
- DIESEL FUEL CONSUMPTION (Litres)
351,745
- LUBE OIL CONSUMPTION (Litres)
1,835
- TOTAL BILLED AMOUNT (kWh)
1,029,685

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
160
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
43,078
- SOLAR PV INSTALLED UTILITY (kW)
160
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2007
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
1%



HA. Dhidhdhoo

GEOGRAPHICAL INFORMATION



POPULATION
4,246



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
2,470

DEMAND & CAPACITY

- PEAK LOAD (kW)
144
- INSTALLED DIESEL GENERATOR SETS (kW)
737.5; 625; 1000; 750
- PEAK LOAD TIME
12:22
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2490

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
3,430,170
- DIESEL FUEL CONSUMPTION (Litres)
1,143,390
- LUBE OIL CONSUMPTION (Litres)
5,568
- TOTAL BILLED AMOUNT (kWh)
3,153,177

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
185
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
46,999
- SOLAR PV INSTALLED UTILITY (kW)
185
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2016
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
8%



HA. Filladhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,122



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
403

DEMAND & CAPACITY

- PEAK LOAD (kW)
132
- INSTALLED DIESEL GENERATOR SETS (kW)
110; 200; 75; 88
- PEAK LOAD TIME
12:15
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
378

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
559,159
- DIESEL FUEL CONSUMPTION (Litres)
180,232
- LUBE OIL CONSUMPTION (Litres)
1,094
- TOTAL BILLED AMOUNT (kWh)
553,738

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
140
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
10,708
- SOLAR PV INSTALLED UTILITY (kW)
140
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2009
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
1%



HA. Hoarafushi

GEOGRAPHICAL INFORMATION



POPULATION
3,414



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,708

DEMAND & CAPACITY

- PEAK LOAD (kW)
534
- INSTALLED DIESEL GENERATOR SETS (kW)
250; 438; 250; 750
- PEAK LOAD TIME
12:39
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1350

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
2,372,397
- DIESEL FUEL CONSUMPTION (Litres)
719,149
- LUBE OIL CONSUMPTION (Litres)
3,168
- TOTAL BILLED AMOUNT (kWh)
2,389,225

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
340
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
124,629
- SOLAR PV INSTALLED UTILITY (kW)
340
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2000, 2007
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



HA. Ihavandhoo

GEOGRAPHICAL INFORMATION



POPULATION
3,394



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,852

DEMAND & CAPACITY

- PEAK LOAD (kW)
707
- INSTALLED DIESEL GENERATOR SETS (kW)
312.5; 810; 437.5
- PEAK LOAD TIME
15:37
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1248

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
2,571,572
- DIESEL FUEL CONSUMPTION (Litres)
946,745
- LUBE OIL CONSUMPTION (Litres)
4,264
- TOTAL BILLED AMOUNT (kWh)
2,699,041

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
315
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
115,961
- SOLAR PV INSTALLED UTILITY (kW)
315
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2006
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



HA. Kelaa

GEOGRAPHICAL INFORMATION



POPULATION
2,229



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,024

DEMAND & CAPACITY

- PEAK LOAD (kW)
281
- INSTALLED DIESEL GENERATOR SETS (kW)
295; 250; 500
- PEAK LOAD TIME
12:55
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
836

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,422,576
- DIESEL FUEL CONSUMPTION (Litres)
371,092
- LUBE OIL CONSUMPTION (Litres)
1,533
- TOTAL BILLED AMOUNT (kWh)
1,287,685

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
205
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
113,779
- SOLAR PV INSTALLED UTILITY (kW)
205
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2006
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
9%



HA. Maarandhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,037



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
479

DEMAND & CAPACITY

- PEAK LOAD (kW)
115
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 313
- PEAK LOAD TIME
12:45
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
410

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
665,931
- DIESEL FUEL CONSUMPTION (Litres)
214,545
- LUBE OIL CONSUMPTION (Litres)
1,122
- TOTAL BILLED AMOUNT (kWh)
545,576

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1990
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
18%



HA. Mulhadhoo

GEOGRAPHICAL INFORMATION



POPULATION
388



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
199

DEMAND & CAPACITY

- PEAK LOAD (kW)
87
- INSTALLED DIESEL GENERATOR SETS (kW)
80; 75; 60
- PEAK LOAD TIME
11:50
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
172

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
276,737
- DIESEL FUEL CONSUMPTION (Litres)
104,725
- LUBE OIL CONSUMPTION (Litres)
612
- TOTAL BILLED AMOUNT (kWh)
225,395

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
14,051
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2012
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
19%



HA. Muraidhoo

GEOGRAPHICAL INFORMATION



POPULATION
897



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
307

DEMAND & CAPACITY

- PEAK LOAD (kW)
122
- INSTALLED DIESEL GENERATOR SETS (kW)
188; 150; 100; 75
- PEAK LOAD TIME
14:40
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
410

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
426,031
- DIESEL FUEL CONSUMPTION (Litres)
132,782
- LUBE OIL CONSUMPTION (Litres)
988
- TOTAL BILLED AMOUNT (kWh)
397,425

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
140
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
32,609
- SOLAR PV INSTALLED UTILITY (kW)
140
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2000
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
7%



HA. Thakandhoo

GEOGRAPHICAL INFORMATION



POPULATION
941



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
428

DEMAND & CAPACITY

- PEAK LOAD (kW)
79
- INSTALLED DIESEL GENERATOR SETS (kW)
73; 183; 85; 40; 40
- PEAK LOAD TIME
12:02
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
337

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
593,851
- DIESEL FUEL CONSUMPTION (Litres)
197,950
- LUBE OIL CONSUMPTION (Litres)
1,087
- TOTAL BILLED AMOUNT (kWh)
303,514

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
95
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
95
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1999
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



HA. Thuraakunu

GEOGRAPHICAL INFORMATION



POPULATION
702



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
356

DEMAND & CAPACITY

- PEAK LOAD (kW)
140
- INSTALLED DIESEL GENERATOR SETS (kW)
75; 240; 90; 200
- PEAK LOAD TIME
12:35
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
484

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
494,693
- DIESEL FUEL CONSUMPTION (Litres)
157,934
- LUBE OIL CONSUMPTION (Litres)
898
- TOTAL BILLED AMOUNT (kWh)
498,692

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
100
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
146,000
- SOLAR PV INSTALLED UTILITY (kW)
100
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2001
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



HA. Uligamu

GEOGRAPHICAL INFORMATION



POPULATION
531



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
328

DEMAND & CAPACITY

- PEAK LOAD (kW) **105**
- INSTALLED DIESEL GENERATOR SETS (kW) **160; 128; 128; 80**
- PEAK LOAD TIME **12:52**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **397**

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh) **455,565**
- DIESEL FUEL CONSUMPTION (Litres) **152,713**
- LUBE OIL CONSUMPTION (Litres) **962**
- TOTAL BILLED AMOUNT (kWh) **439,472**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **-**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **-**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **2002**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **4%**



HA. Utheem

GEOGRAPHICAL INFORMATION



POPULATION
955



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
481

DEMAND & CAPACITY

- PEAK LOAD (kW)
192
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 125; 250
- PEAK LOAD TIME
13:06
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
460

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
668,343
- DIESEL FUEL CONSUMPTION (Litres)
212,189
- LUBE OIL CONSUMPTION (Litres)
1,310
- TOTAL BILLED AMOUNT (kWh)
671,544

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
150
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
47,630
- SOLAR PV INSTALLED UTILITY (kW)
150
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1998
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



HA. Vashafaru

GEOGRAPHICAL INFORMATION



POPULATION
902



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
403

DEMAND & CAPACITY

- PEAK LOAD (kW)
140
- INSTALLED DIESEL GENERATOR SETS (kW)
80; 160; 80; 200
- PEAK LOAD TIME
12:42
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
416

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
559,070
- DIESEL FUEL CONSUMPTION (Litres)
172,620
- LUBE OIL CONSUMPTION (Litres)
926
- TOTAL BILLED AMOUNT (kWh)
515,062

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2000
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
8%

Haa Dhaalu

ATOLL



POPULATION

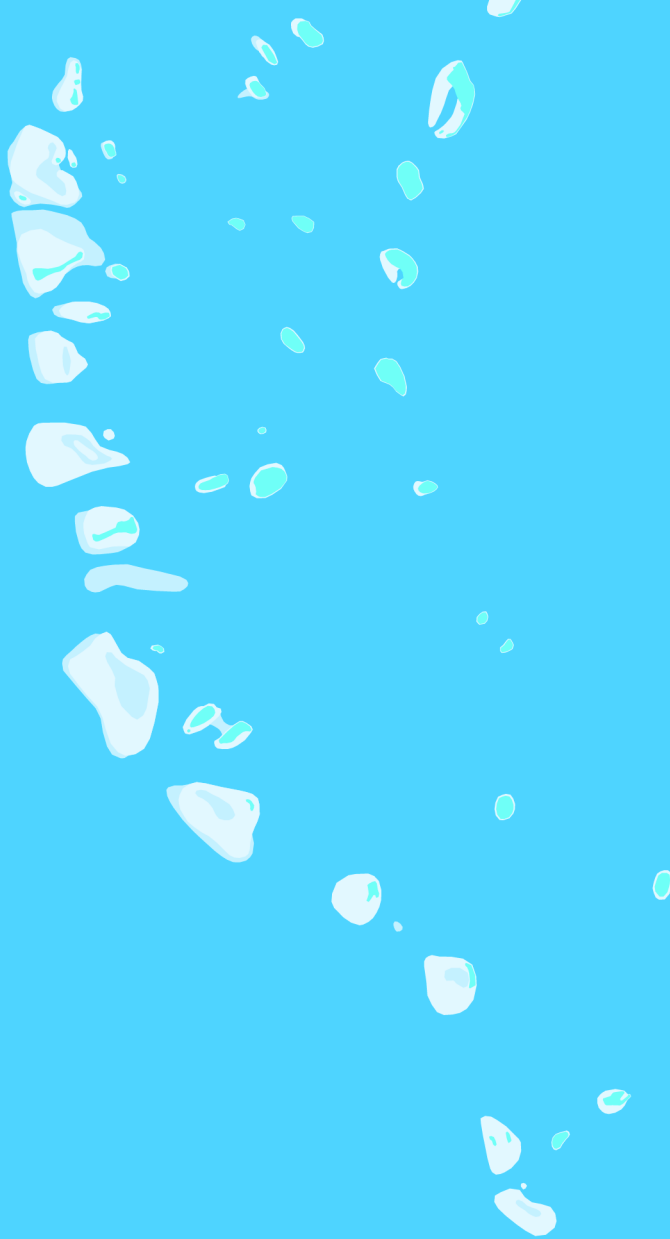
18,515

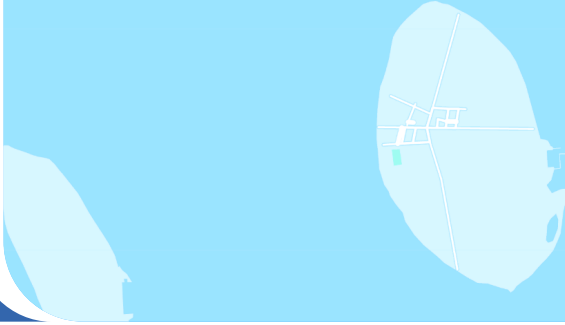
TOTAL ISLANDS

13

CAPITAL ISLAND

KULHUDHUFFUSHI





HDh. Finey

GEOGRAPHICAL INFORMATION



POPULATION
580



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
257

DEMAND & CAPACITY

- PEAK LOAD (kW)
90
- INSTALLED DIESEL GENERATOR SETS (kW)
160; 100; 134
- PEAK LOAD TIME
12:27
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
315

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
357,430
- DIESEL FUEL CONSUMPTION (Litres)
153,505
- LUBE OIL CONSUMPTION (Litres)
340
- TOTAL BILLED AMOUNT (kWh)
373,267

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1998
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



HDh. Hanimaadhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,199



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
3,047

DEMAND & CAPACITY

- PEAK LOAD (kW)
832
- INSTALLED DIESEL GENERATOR SETS (kW)
250; 810; 810; 312.5
- PEAK LOAD TIME
12:30
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1746

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
4,231,753
- DIESEL FUEL CONSUMPTION (Litres)
1,302,043
- LUBE OIL CONSUMPTION (Litres)
7,488
- TOTAL BILLED AMOUNT (kWh)
3,170,774

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
1,746
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
2,549,160
- SOLAR PV INSTALLED UTILITY (kW)
1,746
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1992
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
25%

HDh. Hirimaradhoo

GEOGRAPHICAL INFORMATION



POPULATION
566



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
226

DEMAND & CAPACITY

- PEAK LOAD (kW)
62
- INSTALLED DIESEL GENERATOR SETS (kW)
58; 100; 188; 50
- PEAK LOAD TIME
16:50
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
317

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
313,759
- DIESEL FUEL CONSUMPTION (Litres)
113,543
- LUBE OIL CONSUMPTION (Litres)
871
- TOTAL BILLED AMOUNT (kWh)
269,220

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2005
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
14%



HDh. Kulhudhuffushi

GEOGRAPHICAL INFORMATION



POPULATION
9,984



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
9,488

DEMAND & CAPACITY

- PEAK LOAD (kW)
2938
- INSTALLED DIESEL GENERATOR SETS (kW)
1000; 1250; 1250; 1000; 1000
- PEAK LOAD TIME
13:15
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
4400

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
13,177,706
- DIESEL FUEL CONSUMPTION (Litres)
3,657,028
- LUBE OIL CONSUMPTION (Litres)
14,128
- TOTAL BILLED AMOUNT (kWh)
12,394,643

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
11
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
1,270
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
11

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1988
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
6%



HDh. Kumundhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,487



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
625

DEMAND & CAPACITY

- PEAK LOAD (kW)
180
- INSTALLED DIESEL GENERATOR SETS (kW)
250; 200; 130
- PEAK LOAD TIME
12:07
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
464

GENERATION AND CONSUMPTION

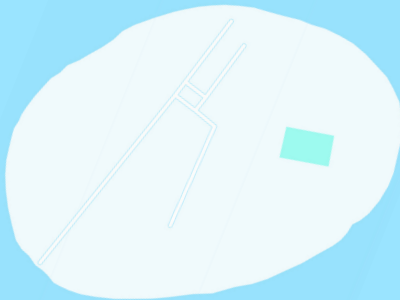
- ELECTRICITY PRODUCTION (kWh)
868,652
- DIESEL FUEL CONSUMPTION (Litres)
275,670
- LUBE OIL CONSUMPTION (Litres)
1,453
- TOTAL BILLED AMOUNT (kWh)
814,456

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
1
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
300
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
1

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2001-2017
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
6%



HDh. Kurinbee

GEOGRAPHICAL INFORMATION



POPULATION
744



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
393

DEMAND & CAPACITY

- PEAK LOAD (kW)
105
- INSTALLED DIESEL GENERATOR SETS (kW)
146; 200; 100
- PEAK LOAD TIME
13:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
357

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
546,183
- DIESEL FUEL CONSUMPTION (Litres)
174,484
- LUBE OIL CONSUMPTION (Litres)
894
- TOTAL BILLED AMOUNT (kWh)
480,799

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
2
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
956
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
2

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1994
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
12%



HDh. Makunudhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,790



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,140

DEMAND & CAPACITY

- PEAK LOAD (kW)
381
- INSTALLED DIESEL GENERATOR SETS (kW)
275; 312; 295
- PEAK LOAD TIME
12:40
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
706

GENERATION AND CONSUMPTION

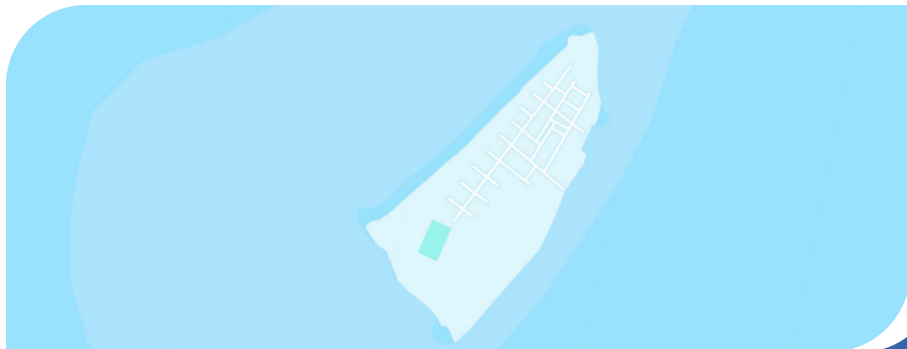
- ELECTRICITY PRODUCTION (kWh)
1,583,632
- DIESEL FUEL CONSUMPTION (Litres)
483,437
- LUBE OIL CONSUMPTION (Litres)
2,057
- TOTAL BILLED AMOUNT (kWh)
1,466,107

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2007
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
7%



HDh. Naivaadhoo

GEOGRAPHICAL INFORMATION



POPULATION
829



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
399

DEMAND & CAPACITY

- PEAK LOAD (kW)
133
- INSTALLED DIESEL GENERATOR SETS (kW)
100; 160; 188
- PEAK LOAD TIME
12:47
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
358

GENERATION AND CONSUMPTION

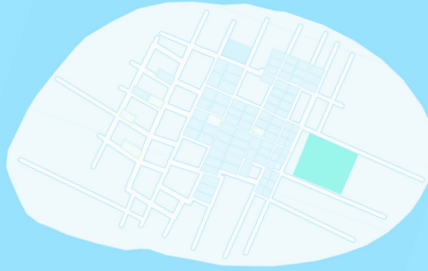
- ELECTRICITY PRODUCTION (kWh)
554,086
- DIESEL FUEL CONSUMPTION (Litres)
163,478
- LUBE OIL CONSUMPTION (Litres)
1,128
- TOTAL BILLED AMOUNT (kWh)
474,085

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2011
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
14%



HDh. Nellaidhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,303



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
668

DEMAND & CAPACITY

- PEAK LOAD (kW)
216
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 100; 200
- PEAK LOAD TIME
12:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
400

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
927,672
- DIESEL FUEL CONSUMPTION (Litres)
299,386
- LUBE OIL CONSUMPTION (Litres)
1,649
- TOTAL BILLED AMOUNT (kWh)
888,136

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2000
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
4%



HDh. Neykurendhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,375



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
505

DEMAND & CAPACITY

- PEAK LOAD (kW)
147
- INSTALLED DIESEL GENERATOR SETS (kW)
250; 125; 156; 83
- PEAK LOAD TIME
12:15
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
491

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
701,175
- DIESEL FUEL CONSUMPTION (Litres)
229,373
- LUBE OIL CONSUMPTION (Litres)
762
- TOTAL BILLED AMOUNT (kWh)
667,893

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1984
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
5%



HDh. Nolvivaram

GEOGRAPHICAL INFORMATION



POPULATION
2,681



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,095

DEMAND & CAPACITY

- PEAK LOAD (kW)
325
- INSTALLED DIESEL GENERATOR SETS (kW)
125; 200; 313; 590
- PEAK LOAD TIME
12:17
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
982

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,520,517
- DIESEL FUEL CONSUMPTION (Litres)
433,222
- LUBE OIL CONSUMPTION (Litres)
1,908
- TOTAL BILLED AMOUNT (kWh)
1,444,479

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2004
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
5%



HDh. Nohivaranfaru

GEOGRAPHICAL INFORMATION



POPULATION
1,870



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
830

DEMAND & CAPACITY

- PEAK LOAD (kW) **265**
- INSTALLED DIESEL GENERATOR SETS (kW) **125; 200; 250**
- PEAK LOAD TIME **12:50**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **460**

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh) **1,152,874**
- DIESEL FUEL CONSUMPTION (Litres) **375,190**
- LUBE OIL CONSUMPTION (Litres) **2,265**
- TOTAL BILLED AMOUNT (kWh) **1,193,867**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **-**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **-**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **1998**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **-**



HDh. Vaikaradhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,821



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
763

DEMAND & CAPACITY

- PEAK LOAD (kW)
150
- INSTALLED DIESEL GENERATOR SETS (kW)
312.5; 200; 150
- PEAK LOAD TIME
12:10
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
530

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,059,911
- DIESEL FUEL CONSUMPTION (Litres)
291,731
- LUBE OIL CONSUMPTION (Litres)
1,180
- TOTAL BILLED AMOUNT (kWh)
701,131

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1990
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
34%

Shaviyani

ATOLL



POPULATION

12,091

TOTAL ISLANDS

14

CAPITAL ISLAND

FUNADHOO



Sh. Bilehfahi

GEOGRAPHICAL INFORMATION



POPULATION
706



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
369

DEMAND & CAPACITY

- PEAK LOAD (kW)
125
- INSTALLED DIESEL GENERATOR SETS (kW)
150; 150; 275
- PEAK LOAD TIME
17:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
460

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
513,159
- DIESEL FUEL CONSUMPTION (Litres)
171,053
- LUBE OIL CONSUMPTION (Litres)
1,214
- TOTAL BILLED AMOUNT (kWh)
494,512

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1990
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
4%



Sh. Feevah

GEOGRAPHICAL INFORMATION



POPULATION
1,124



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
597

DEMAND & CAPACITY

- PEAK LOAD (kW)
154
- INSTALLED DIESEL GENERATOR SETS (kW)
160; 160; 225
- PEAK LOAD TIME
12:35
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
436

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
829,230
- DIESEL FUEL CONSUMPTION (Litres)
224,939
- LUBE OIL CONSUMPTION (Litres)
194,923
- TOTAL BILLED AMOUNT (kWh)
718,578

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
13%



Sh. Feydhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,259



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
499

DEMAND & CAPACITY

- PEAK LOAD (kW)
175
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 250; 325
- PEAK LOAD TIME
14:15
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
620

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
692,455
- DIESEL FUEL CONSUMPTION (Litres)
259,162
- LUBE OIL CONSUMPTION (Litres)
1,339
- TOTAL BILLED AMOUNT (kWh)
763,861

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



Sh. Foakaidhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,793



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,028

DEMAND & CAPACITY

- PEAK LOAD (kW)
378
- INSTALLED DIESEL GENERATOR SETS (kW)
312; 250; 312
- PEAK LOAD TIME
12:15
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
699

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,428,091
- DIESEL FUEL CONSUMPTION (Litres)
495,590
- LUBE OIL CONSUMPTION (Litres)
2,175
- TOTAL BILLED AMOUNT (kWh)
1,275,135

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
4
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
511
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
4

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1996
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
11%



Sh. Funadhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,574



ELECTRICITY PROVIDER
SH. Funadhoo Council

EMISSIONS

- CO2 EMISSION (tCO₂)
1,974

DEMAND & CAPACITY

- PEAK LOAD (kW)
607
- INSTALLED DIESEL GENERATOR SETS (kW)
250; 500; 500
- PEAK LOAD TIME
13:23
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1000

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
2,742,000
- DIESEL FUEL CONSUMPTION (Litres)
795,326
- LUBE OIL CONSUMPTION (Litres)
1,500
- TOTAL BILLED AMOUNT (kWh)
2,419,856

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1986
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
12%



Sh. Goidhoo

GEOGRAPHICAL INFORMATION



POPULATION
741



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
462

DEMAND & CAPACITY

- PEAK LOAD (kW)
180
- INSTALLED DIESEL GENERATOR SETS (kW)
150; 128; 80
- PEAK LOAD TIME
12:15
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
286

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
641,898
- DIESEL FUEL CONSUMPTION (Litres)
214,990
- LUBE OIL CONSUMPTION (Litres)
1,634
- TOTAL BILLED AMOUNT (kWh)
589,074

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2005
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
8%



Sh. Kanditheem

GEOGRAPHICAL INFORMATION



POPULATION
1,570



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
910

DEMAND & CAPACITY

- PEAK LOAD (kW)
246
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 357.5; 295
- PEAK LOAD TIME
12:32
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
682

GENERATION AND CONSUMPTION

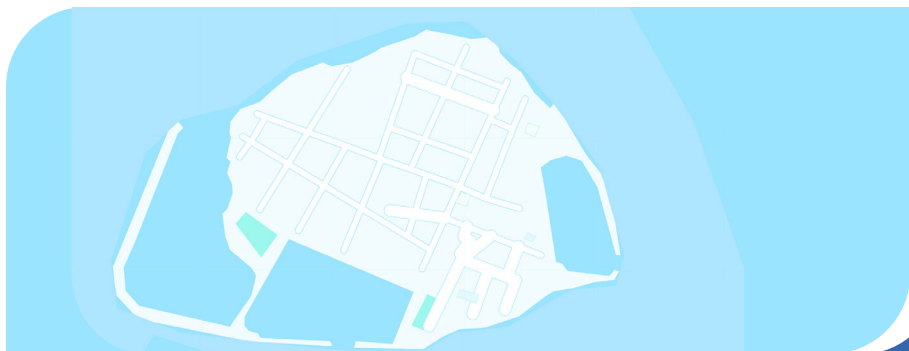
- ELECTRICITY PRODUCTION (kWh)
1,263,735
- DIESEL FUEL CONSUMPTION (Litres)
405,207
- LUBE OIL CONSUMPTION (Litres)
1,595
- TOTAL BILLED AMOUNT (kWh)
1,227,651

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
135
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
198,724
- SOLAR PV INSTALLED UTILITY (kW)
135
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2008
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
3%



Sh. Komandoo

GEOGRAPHICAL INFORMATION



POPULATION
1,871



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,040

DEMAND & CAPACITY

- PEAK LOAD (kW)
326
- INSTALLED DIESEL GENERATOR SETS (kW)
400; 313; 200
- PEAK LOAD TIME
13:10
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
730

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,444,983
- DIESEL FUEL CONSUMPTION (Litres)
462,935
- LUBE OIL CONSUMPTION (Litres)
1,430
- TOTAL BILLED AMOUNT (kWh)
1,426,644

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
100
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
146,000
- SOLAR PV INSTALLED UTILITY (kW)
100
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1998
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
1%



Sh. Lhaimagu

GEOGRAPHICAL INFORMATION



POPULATION
822



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
450

DEMAND & CAPACITY

- PEAK LOAD (kW)
192
- INSTALLED DIESEL GENERATOR SETS (kW)
120; 280; 160; 112
- PEAK LOAD TIME
12:10
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
538

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
624,378
- DIESEL FUEL CONSUMPTION (Litres)
208,126
- LUBE OIL CONSUMPTION (Litres)
631
- TOTAL BILLED AMOUNT (kWh)
615,717

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2004
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
1%



Sh. Maungoodhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,165



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
620

DEMAND & CAPACITY

- PEAK LOAD (kW)
200
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 250; 160; 85
- PEAK LOAD TIME
13:10
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
556

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
861,088
- DIESEL FUEL CONSUMPTION (Litres)
279,495
- LUBE OIL CONSUMPTION (Litres)
1,562
- TOTAL BILLED AMOUNT (kWh)
787,714

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2004
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
9%



Sh. Maroshi

GEOGRAPHICAL INFORMATION



POPULATION
975



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
382

DEMAND & CAPACITY

- PEAK LOAD (kW)
137
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 100; 100
- PEAK LOAD TIME
12:40
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
320

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
529,937
- DIESEL FUEL CONSUMPTION (Litres)
217,439
- LUBE OIL CONSUMPTION (Litres)
1,206
- TOTAL BILLED AMOUNT (kWh)
541,890

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
5
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
1,580
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
5

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2007
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



Sh. Milandhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,542



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,761

DEMAND & CAPACITY

- PEAK LOAD (kW)
504
- INSTALLED DIESEL GENERATOR SETS (kW)
500; 315; 625; 312.5; 450
- PEAK LOAD TIME
12:25
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1762

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
2,446,022
- DIESEL FUEL CONSUMPTION (Litres)
727,942
- LUBE OIL CONSUMPTION (Litres)
2,385
- TOTAL BILLED AMOUNT (kWh)
2,222,106

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
258
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
1,401
- SOLAR PV INSTALLED UTILITY (kW)
250
- SOLAR PV INSTALLED NET METERING(kW)
8

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1999
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
9%



Sh. Narudhoo

GEOGRAPHICAL INFORMATION



POPULATION
633



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
315

DEMAND & CAPACITY

- PEAK LOAD (kW)
80
- INSTALLED DIESEL GENERATOR SETS (kW)
175; 250; 100
- PEAK LOAD TIME
12:47
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
420

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
437,718
- DIESEL FUEL CONSUMPTION (Litres)
145,906
- LUBE OIL CONSUMPTION (Litres)
873
- TOTAL BILLED AMOUNT (kWh)
345,021

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2001
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
21%

Sh. Noomaraa

GEOGRAPHICAL INFORMATION



POPULATION
500



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
205

DEMAND & CAPACITY

- PEAK LOAD (kW)
55
- INSTALLED DIESEL GENERATOR SETS (kW)
100; 125; 60
- PEAK LOAD TIME
10:22
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
228

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
285,201
- DIESEL FUEL CONSUMPTION (Litres)
82,497
- LUBE OIL CONSUMPTION (Litres)
359
- TOTAL BILLED AMOUNT (kWh)
244,352

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
14%

Noonu ATOLL



POPULATION

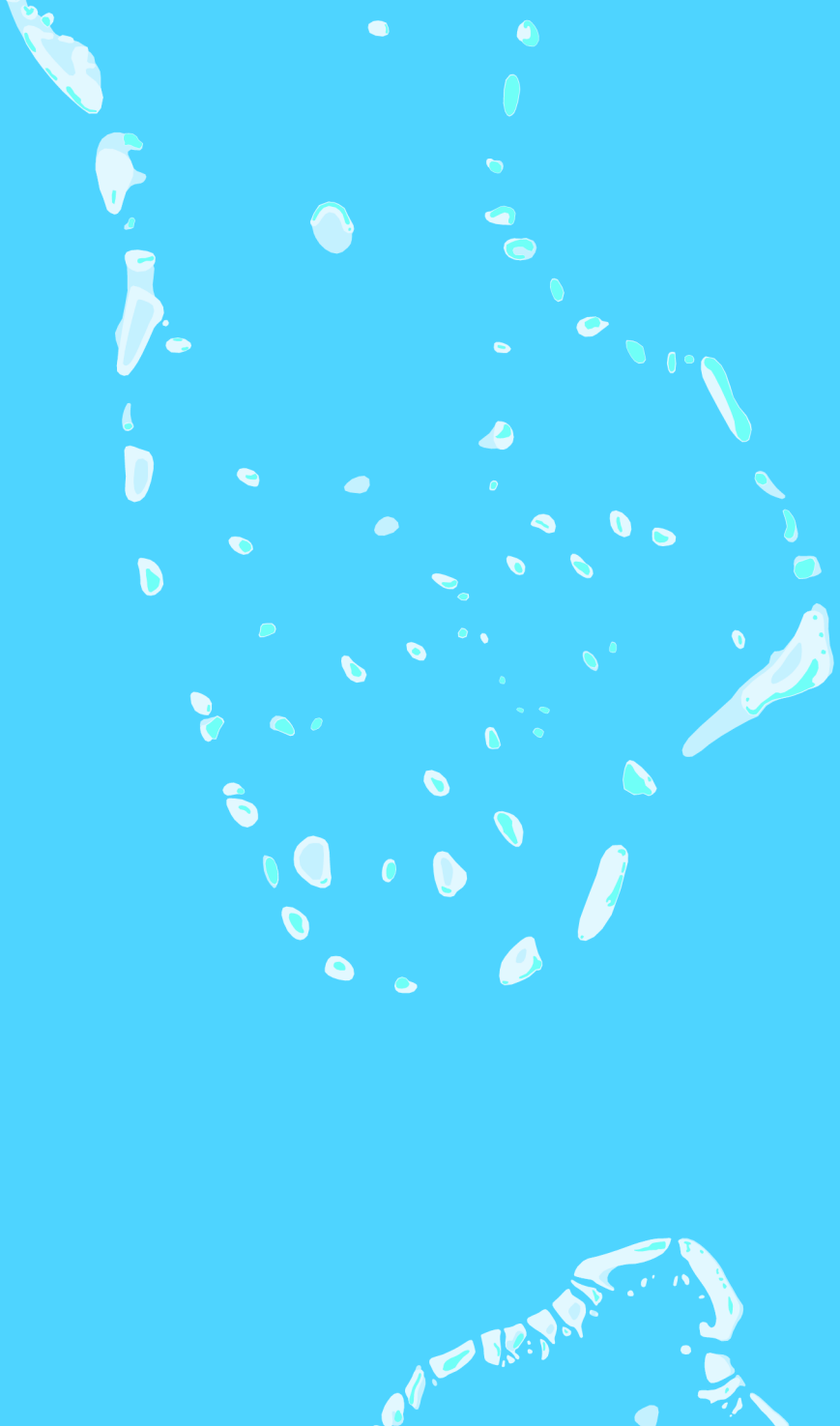
17,483

TOTAL ISLANDS

13

CAPITAL ISLAND

MANADHOO





N. Fodhdhoo

GEOGRAPHICAL INFORMATION



POPULATION
482



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
255

DEMAND & CAPACITY

- PEAK LOAD (kW)
-
- INSTALLED DIESEL GENERATOR SETS (kW)
55; 100; 125
- PEAK LOAD TIME
-
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
224

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
354,482
- DIESEL FUEL CONSUMPTION (Litres)
137,062
- LUBE OIL CONSUMPTION (Litres)
1,646
- TOTAL BILLED AMOUNT (kWh)
310,663

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
80
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
116,800
- SOLAR PV INSTALLED UTILITY (kW)
80
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2012
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
12%



N. Henbadhoo

GEOGRAPHICAL INFORMATION



POPULATION
763



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
426

DEMAND & CAPACITY

- PEAK LOAD (kW)
-
- INSTALLED DIESEL GENERATOR SETS (kW)
80; 125; 160
- PEAK LOAD TIME
-
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
292

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
592,260
- DIESEL FUEL CONSUMPTION (Litres)
197,420
- LUBE OIL CONSUMPTION (Litres)
679
- TOTAL BILLED AMOUNT (kWh)
516,729

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
13%



N. Holhudhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,100



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,411

DEMAND & CAPACITY

- PEAK LOAD (kW)
396
- INSTALLED DIESEL GENERATOR SETS (kW)
313; 500; 375
- PEAK LOAD TIME
12:57
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
950

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,960,277
- DIESEL FUEL CONSUMPTION (Litres)
667,306
- LUBE OIL CONSUMPTION (Litres)
3,818
- TOTAL BILLED AMOUNT (kWh)
1,880,059

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2003
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
4%

N. Kendhikulhudhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,894



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,098

DEMAND & CAPACITY

- PEAK LOAD (kW)
330
- INSTALLED DIESEL GENERATOR SETS (kW)
650; 500; 313
- PEAK LOAD TIME
5:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1170

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,525,662
- DIESEL FUEL CONSUMPTION (Litres)
553,966
- LUBE OIL CONSUMPTION (Litres)
1,445
- TOTAL BILLED AMOUNT (kWh)
1,548,198

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
130
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
130
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2009
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



N. Kudafari

GEOGRAPHICAL INFORMATION



POPULATION
857



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
466

DEMAND & CAPACITY

- PEAK LOAD (kW)
135
- INSTALLED DIESEL GENERATOR SETS (kW)
73; 100; 200
- PEAK LOAD TIME
14:10
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
298

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
647,326
- DIESEL FUEL CONSUMPTION (Litres)
222,666
- LUBE OIL CONSUMPTION (Litres)
1,186
- TOTAL BILLED AMOUNT (kWh)
597,688

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2009
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
8%



N. Landhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,079



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
637

DEMAND & CAPACITY

- PEAK LOAD (kW) **207**
- INSTALLED DIESEL GENERATOR SETS (kW) **160; 120; 250**
- PEAK LOAD TIME **12:40**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **424**

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh) **885,091**
- DIESEL FUEL CONSUMPTION (Litres) **324,289**
- LUBE OIL CONSUMPTION (Litres) **1,863**
- TOTAL BILLED AMOUNT (kWh) **733,243**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **-**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **-**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **-**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **17%**



N. Lhohi

GEOGRAPHICAL INFORMATION



POPULATION
928



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
349

DEMAND & CAPACITY

- PEAK LOAD (kW)
112
- INSTALLED DIESEL GENERATOR SETS (kW)
100; 140; 200; 200
- PEAK LOAD TIME
12:00
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
512

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
484,650
- DIESEL FUEL CONSUMPTION (Litres)
203,560
- LUBE OIL CONSUMPTION (Litres)
640
- TOTAL BILLED AMOUNT (kWh)
490,092

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1995
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-

N. Maafaru

GEOGRAPHICAL INFORMATION



POPULATION
1,212



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
660

DEMAND & CAPACITY

- PEAK LOAD (kW)
200
- INSTALLED DIESEL GENERATOR SETS (kW)
100; 250; 200; 140
- PEAK LOAD TIME
12:00
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
552

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
916,598
- DIESEL FUEL CONSUMPTION (Litres)
323,119
- LUBE OIL CONSUMPTION (Litres)
1,668
- TOTAL BILLED AMOUNT (kWh)
846,284

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2007
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
8%



N. Maalhendhoo

GEOGRAPHICAL INFORMATION



POPULATION
919



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
448

DEMAND & CAPACITY

- PEAK LOAD (kW)
162
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 120; 128; 12; 50
- PEAK LOAD TIME
12:32
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
408

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
622,635
- DIESEL FUEL CONSUMPTION (Litres)
270,567
- LUBE OIL CONSUMPTION (Litres)
601
- TOTAL BILLED AMOUNT (kWh)
622,635

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1995
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-

N. Magoodhoo

GEOGRAPHICAL INFORMATION



POPULATION
425



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
241

DEMAND & CAPACITY

- PEAK LOAD (kW)
-
- INSTALLED DIESEL GENERATOR SETS (kW)
38; 60; 100
- PEAK LOAD TIME
-
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
158

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
334,950
- DIESEL FUEL CONSUMPTION (Litres)
111,650
- LUBE OIL CONSUMPTION (Litres)
354
- TOTAL BILLED AMOUNT (kWh)
114,201

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2011
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
66%



N. Manadhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,963



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,649

DEMAND & CAPACITY

- PEAK LOAD (kW)
543
- INSTALLED DIESEL GENERATOR SETS (kW)
400; 650; 750
- PEAK LOAD TIME
12:40
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1440

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
2,290,090
- DIESEL FUEL CONSUMPTION (Litres)
881,526
- LUBE OIL CONSUMPTION (Litres)
2,857
- TOTAL BILLED AMOUNT (kWh)
1,970,918

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2009
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
14%



N. Miladhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,499



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
443

DEMAND & CAPACITY

- PEAK LOAD (kW)
161
- INSTALLED DIESEL GENERATOR SETS (kW)
180; 200
- PEAK LOAD TIME
11:32
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
304

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
614,838
- DIESEL FUEL CONSUMPTION (Litres)
282,420
- LUBE OIL CONSUMPTION (Litres)
1,534
- TOTAL BILLED AMOUNT (kWh)
716,989

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
80
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
116,800
- SOLAR PV INSTALLED UTILITY (kW)
80
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2006
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



N. Velidhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,668



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,950

DEMAND & CAPACITY

- PEAK LOAD (kW)
560
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 312.5; 500; 810; 375
- PEAK LOAD TIME
12:15
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1758

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
2,708,644
- DIESEL FUEL CONSUMPTION (Litres)
874,512
- LUBE OIL CONSUMPTION (Litres)
4,023
- TOTAL BILLED AMOUNT (kWh)
2,357,781

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1997
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
13%

Raa ATOLL



POPULATION

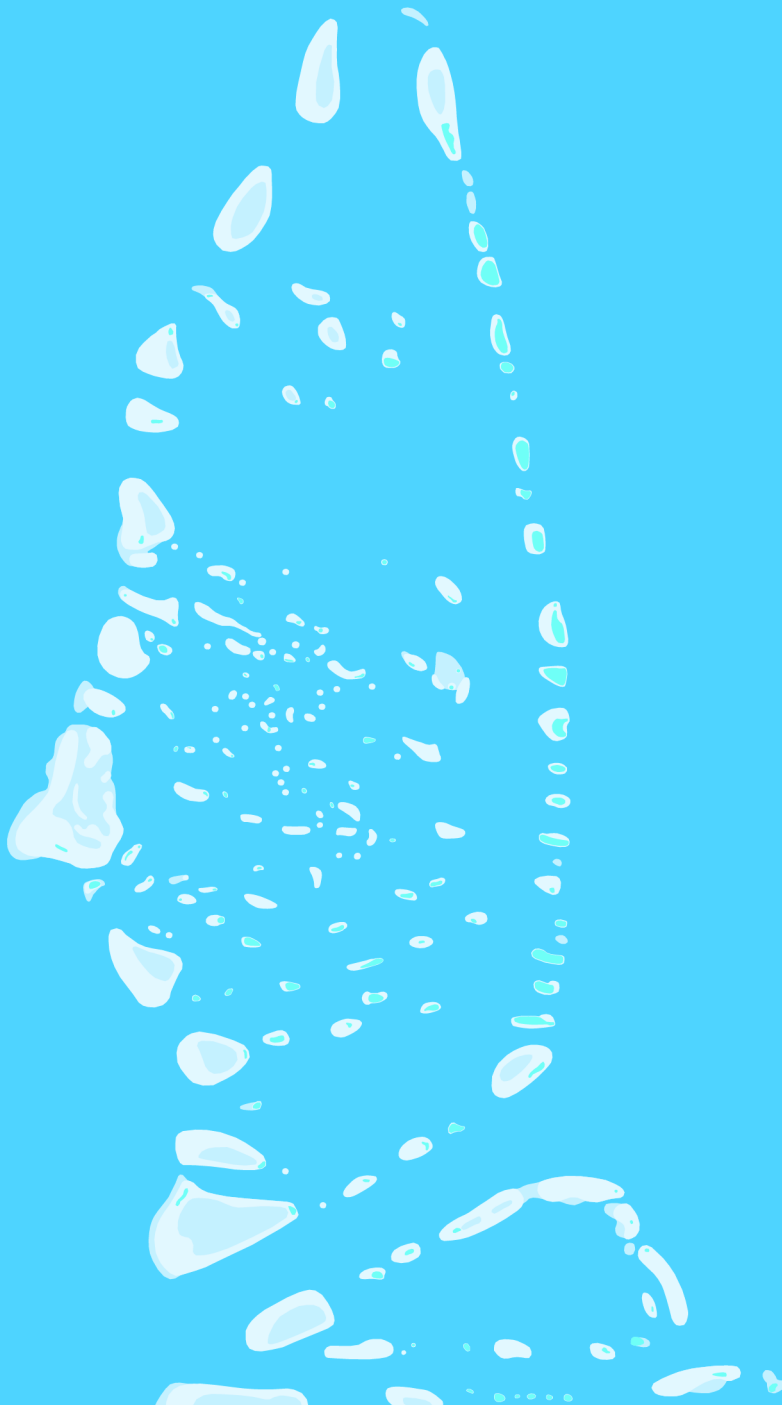
24,862

TOTAL ISLANDS

15

CAPITAL ISLAND

UNGOOFAARU





R. Alifushi

GEOGRAPHICAL INFORMATION



POPULATION
2,811



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,460

DEMAND & CAPACITY

- PEAK LOAD (kW)
394
- INSTALLED DIESEL GENERATOR SETS (kW)
750; 750
- PEAK LOAD TIME
12:45
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1200

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
2,028,016
- DIESEL FUEL CONSUMPTION (Litres)
825,344
- LUBE OIL CONSUMPTION (Litres)
2,968
- TOTAL BILLED AMOUNT (kWh)
1,828,389

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
10%



R. Angolhitheem

GEOGRAPHICAL INFORMATION



POPULATION
530



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
267

DEMAND & CAPACITY

- PEAK LOAD (kW)
93
- INSTALLED DIESEL GENERATOR SETS (kW)
100; 200; 211
- PEAK LOAD TIME
12:25
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
409

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
371,253
- DIESEL FUEL CONSUMPTION (Litres)
133,839
- LUBE OIL CONSUMPTION (Litres)
833
- TOTAL BILLED AMOUNT (kWh)
356,230

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2006
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
4%



R. Dhuvafaru

GEOGRAPHICAL INFORMATION



POPULATION
3,016



ELECTRICITY PROVIDER
MWSC

EMISSIONS

- CO2 EMISSION (tCO₂)
2,307

DEMAND & CAPACITY

- PEAK LOAD (kW)
684
- INSTALLED DIESEL GENERATOR SETS (kW)
600; 800; 1110
- PEAK LOAD TIME
13:00
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2008

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
3,204,559
- DIESEL FUEL CONSUMPTION (Litres)
1,027,410
- LUBE OIL CONSUMPTION (Litres)
3,760
- TOTAL BILLED AMOUNT (kWh)
2,758,028

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
50
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
23,472
- SOLAR PV INSTALLED UTILITY (kW)
50
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2007
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
14%



R. Fainu

GEOGRAPHICAL INFORMATION



POPULATION
463



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
267

DEMAND & CAPACITY

- PEAK LOAD (kW) **87**
- INSTALLED DIESEL GENERATOR SETS (kW) **16; 31; 34; 48; 48; 150; 169**
- PEAK LOAD TIME **12:42**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **397**

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh) **370,606**
- DIESEL FUEL CONSUMPTION (Litres) **137,740**
- LUBE OIL CONSUMPTION (Litres) **644**
- TOTAL BILLED AMOUNT (kWh) **351,625**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **-**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **-**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **2000**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **5%**



R. Hulhudhuffaaru

GEOGRAPHICAL INFORMATION



POPULATION
1,538



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
864

DEMAND & CAPACITY

- PEAK LOAD (kW)
243
- INSTALLED DIESEL GENERATOR SETS (kW)
150; 312.5; 312.5
- PEAK LOAD TIME
11:52
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
620

GENERATION AND CONSUMPTION

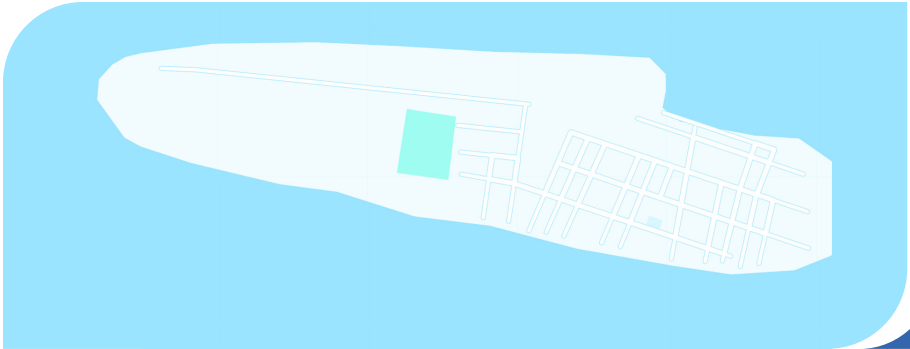
- ELECTRICITY PRODUCTION (kWh)
1,199,895
- DIESEL FUEL CONSUMPTION (Litres)
398,345
- LUBE OIL CONSUMPTION (Litres)
2,491
- TOTAL BILLED AMOUNT (kWh)
1,125,874

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1994
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
6%



R. Inguraidhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,993



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
1,023

DEMAND & CAPACITY

- PEAK LOAD (kW) **260**
- INSTALLED DIESEL GENERATOR SETS (kW) **250; 250; 100; 80**
- PEAK LOAD TIME **12:00**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **544**

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh) **1,420,722**
- DIESEL FUEL CONSUMPTION (Litres) **473,574**
- LUBE OIL CONSUMPTION (Litres) **1,826**
- TOTAL BILLED AMOUNT (kWh) **1,146,884**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **-**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **-**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **2014**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **19%**



R. Innamaadhoo

GEOGRAPHICAL INFORMATION



POPULATION
878



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
668

DEMAND & CAPACITY

- PEAK LOAD (kW)
191
- INSTALLED DIESEL GENERATOR SETS (kW)
120; 200; 250
- PEAK LOAD TIME
12:30
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
456

GENERATION AND CONSUMPTION

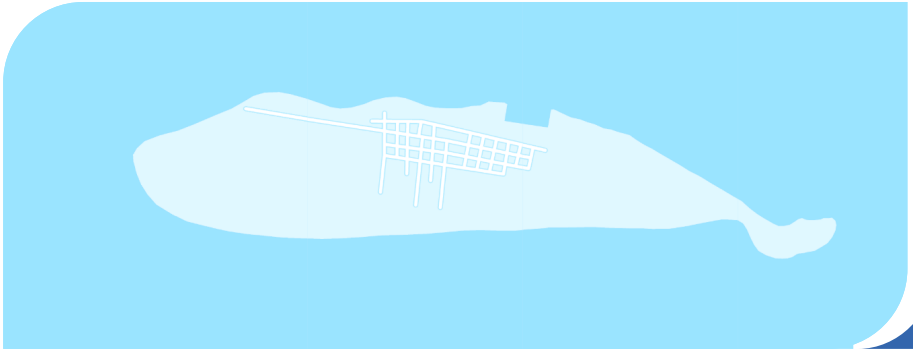
- ELECTRICITY PRODUCTION (kWh)
928,401
- DIESEL FUEL CONSUMPTION (Litres)
302,604
- LUBE OIL CONSUMPTION (Litres)
1,474
- TOTAL BILLED AMOUNT (kWh)
904,052

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2015
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
3%



R. Kinolhas

GEOGRAPHICAL INFORMATION



POPULATION
638



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
302

DEMAND & CAPACITY

- PEAK LOAD (kW)
110
- INSTALLED DIESEL GENERATOR SETS (kW)
125; 130; 160; 125
- PEAK LOAD TIME
12:45
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
432

GENERATION AND CONSUMPTION

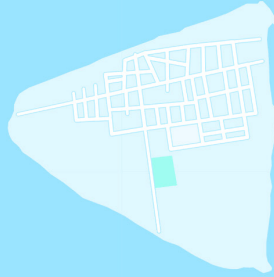
- ELECTRICITY PRODUCTION (kWh)
419,497
- DIESEL FUEL CONSUMPTION (Litres)
146,799
- LUBE OIL CONSUMPTION (Litres)
969
- TOTAL BILLED AMOUNT (kWh)
375,248

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1999
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
11%



R. Maakurathu

GEOGRAPHICAL INFORMATION



POPULATION
1,330



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
552

DEMAND & CAPACITY

- PEAK LOAD (kW)
190
- INSTALLED DIESEL GENERATOR SETS (kW)
100; 100; 200; 60
- PEAK LOAD TIME
12:37
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
368

GENERATION AND CONSUMPTION

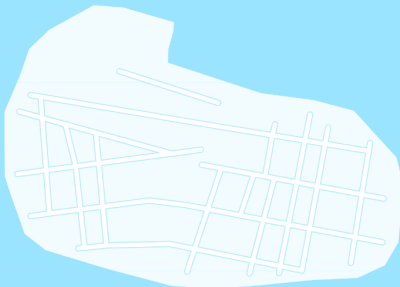
- ELECTRICITY PRODUCTION (kWh)
766,154
- DIESEL FUEL CONSUMPTION (Litres)
224,341
- LUBE OIL CONSUMPTION (Litres)
1,232
- TOTAL BILLED AMOUNT (kWh)
700,213

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
9%



R. Maduvvari

GEOGRAPHICAL INFORMATION



POPULATION
2,457



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,271

DEMAND & CAPACITY

- PEAK LOAD (kW)
373
- INSTALLED DIESEL GENERATOR SETS (kW)
313; 200; 500
- PEAK LOAD TIME
12:37
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
810

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,765,283
- DIESEL FUEL CONSUMPTION (Litres)
574,283
- LUBE OIL CONSUMPTION (Litres)
2,931
- TOTAL BILLED AMOUNT (kWh)
1,618,218

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
8%



R. Meedhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,141



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,405

DEMAND & CAPACITY

- PEAK LOAD (kW)
441
- INSTALLED DIESEL GENERATOR SETS (kW)
188; 188; 500
- PEAK LOAD TIME
13:20
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
701

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,951,664
- DIESEL FUEL CONSUMPTION (Litres)
711,283
- LUBE OIL CONSUMPTION (Litres)
1,834
- TOTAL BILLED AMOUNT (kWh)
1,831,881

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2008
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
6%



R. Rasgetheemu

GEOGRAPHICAL INFORMATION



POPULATION
975



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
413

DEMAND & CAPACITY

- PEAK LOAD (kW) **157**
- INSTALLED DIESEL GENERATOR SETS (kW) **225; 100; 200**
- PEAK LOAD TIME **12:00**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **420**

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh) **573,178**
- DIESEL FUEL CONSUMPTION (Litres) **199,226**
- LUBE OIL CONSUMPTION (Litres) **1,416**
- TOTAL BILLED AMOUNT (kWh) **514,502**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **-**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **-**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **-**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **10%**



R. Rasmaadhoo

GEOGRAPHICAL INFORMATION



POPULATION
871



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
415

DEMAND & CAPACITY

- PEAK LOAD (kW)
126
- INSTALLED DIESEL GENERATOR SETS (kW)
108; 200; 128; 77.7; 48; 40
- PEAK LOAD TIME
12:40
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
481

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
576,855
- DIESEL FUEL CONSUMPTION (Litres)
221,222
- LUBE OIL CONSUMPTION (Litres)
1,135
- TOTAL BILLED AMOUNT (kWh)
529,569

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1998 , 2000 , 2005 , 2008
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
8%



R. Ungoofaaru

GEOGRAPHICAL INFORMATION



POPULATION
1,730



ELECTRICITY PROVIDER
R. Ungoofaaru Council

EMISSIONS

- CO2 EMISSION (tCO₂)
2,091

DEMAND & CAPACITY

- PEAK LOAD (kW)
590
- INSTALLED DIESEL GENERATOR SETS (kW)
400; 590; 380
- PEAK LOAD TIME
13:25
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1096

GENERATION AND CONSUMPTION

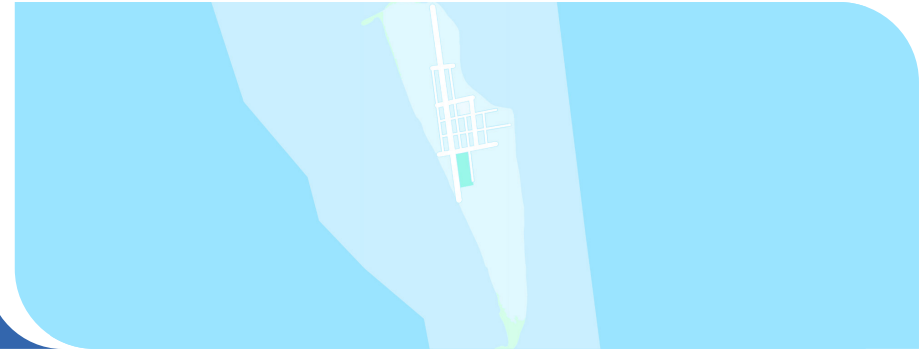
- ELECTRICITY PRODUCTION (kWh)
2,904,845
- DIESEL FUEL CONSUMPTION (Litres)
968,282
- LUBE OIL CONSUMPTION (Litres)
2,213
- TOTAL BILLED AMOUNT (kWh)
2,527,406

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
157,089
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2009
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
13%



R. Vaadhoo

GEOGRAPHICAL INFORMATION



POPULATION
606



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
323

DEMAND & CAPACITY

- PEAK LOAD (kW)
96
- INSTALLED DIESEL GENERATOR SETS (kW)
160; 130; 100
- PEAK LOAD TIME
12:25
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
312

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
448,061
- DIESEL FUEL CONSUMPTION (Litres)
149,619
- LUBE OIL CONSUMPTION (Litres)
854
- TOTAL BILLED AMOUNT (kWh)
430,480

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2001
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
4%

Baa ATOLL



POPULATION

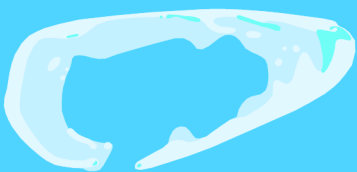
8,878

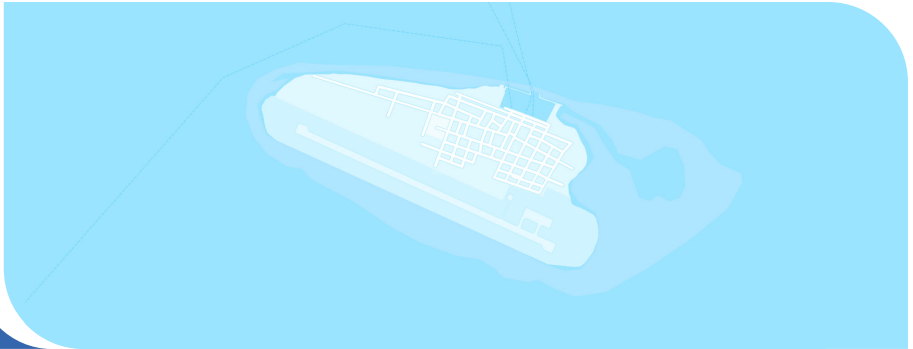
TOTAL ISLANDS

13

CAPITAL ISLAND

EYDHAFUSHI





B. Dharavandhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,153



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,167

DEMAND & CAPACITY

- PEAK LOAD (kW)
448
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 400; 600
- PEAK LOAD TIME
17:20
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
960

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,620,406
- DIESEL FUEL CONSUMPTION (Litres)
540,135
- LUBE OIL CONSUMPTION (Litres)
4,060
- TOTAL BILLED AMOUNT (kWh)
1,443,620

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
255
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
325,847
- SOLAR PV INSTALLED UTILITY (kW)
200
- SOLAR PV INSTALLED NET METERING(kW)
55

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2000
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
11%



B. Dhonfanu

GEOGRAPHICAL INFORMATION



POPULATION
557



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
395

DEMAND & CAPACITY

- PEAK LOAD (kW)
90
- INSTALLED DIESEL GENERATOR SETS (kW)
80; 80; 100
- PEAK LOAD TIME
15:10
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
208

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
549,210
- DIESEL FUEL CONSUMPTION (Litres)
183,070
- LUBE OIL CONSUMPTION (Litres)
1,119
- TOTAL BILLED AMOUNT (kWh)
391,743

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1999
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
29%



B. Eydhafushi

GEOGRAPHICAL INFORMATION



POPULATION
3,354



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
3,293

DEMAND & CAPACITY

- PEAK LOAD (kW)
962
- INSTALLED DIESEL GENERATOR SETS (kW)
375; 750; 1000
- PEAK LOAD TIME
13:10
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1700

GENERATION AND CONSUMPTION

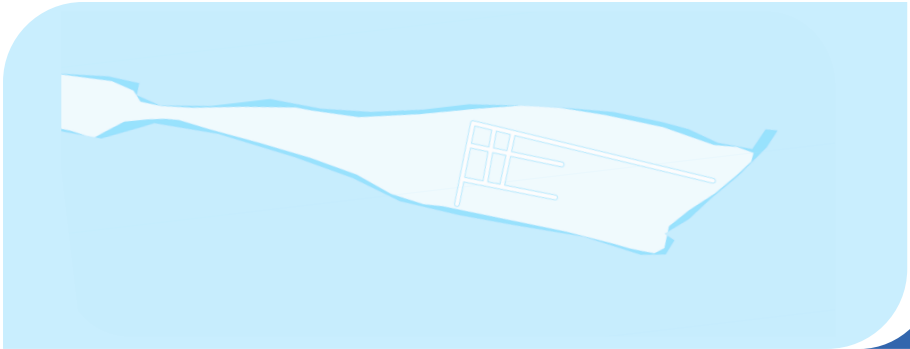
- ELECTRICITY PRODUCTION (kWh)
4,573,825
- DIESEL FUEL CONSUMPTION (Litres)
1,337,781
- LUBE OIL CONSUMPTION (Litres)
6,177
- TOTAL BILLED AMOUNT (kWh)
4,175,375

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
1
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
8,447
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
1

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1994
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
9%



B. Fehendhoo

GEOGRAPHICAL INFORMATION



POPULATION
299



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
237

DEMAND & CAPACITY

- PEAK LOAD (kW) -
- INSTALLED DIESEL GENERATOR SETS (kW) **160; 100; 63; 38**
- PEAK LOAD TIME -
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **289**

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh) **328,920**
- DIESEL FUEL CONSUMPTION (Litres) **109,640**
- LUBE OIL CONSUMPTION (Litres) **612**
- TOTAL BILLED AMOUNT (kWh) -

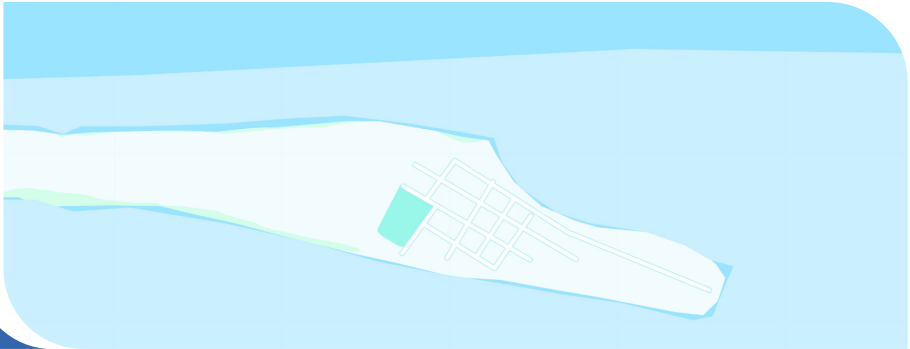
RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) -
- TOTAL PRODUCTION FROM SOLAR PV (kWh) -
- SOLAR PV INSTALLED UTILITY (kW) -
- SOLAR PV INSTALLED NET METERING(kW) -

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR -
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS -

B

A
T
T
O
L
L

B. Fulhadhoo

GEOGRAPHICAL INFORMATION



POPULATION
370



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
279

DEMAND & CAPACITY

- PEAK LOAD (kW)
112
- INSTALLED DIESEL GENERATOR SETS (kW)
80; 80; 80; 160
- PEAK LOAD TIME
9:25
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
320

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
387,479
- DIESEL FUEL CONSUMPTION (Litres)
149,914
- LUBE OIL CONSUMPTION (Litres)
358
- TOTAL BILLED AMOUNT (kWh)
328,594

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1994
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
15%



B. Goidhoo

GEOGRAPHICAL INFORMATION



POPULATION
806



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
444

DEMAND & CAPACITY

- PEAK LOAD (kW)
257
- INSTALLED DIESEL GENERATOR SETS (kW)
75; 125; 313
- PEAK LOAD TIME
18:00
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
410

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
617,145
- DIESEL FUEL CONSUMPTION (Litres)
205,715
- LUBE OIL CONSUMPTION (Litres)
1,175
- TOTAL BILLED AMOUNT (kWh)
721,626

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
212
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
308,790
- SOLAR PV INSTALLED UTILITY (kW)
212
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2004
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



B. Hithaadhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,387



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
387

DEMAND & CAPACITY

- PEAK LOAD (kW)
143
- INSTALLED DIESEL GENERATOR SETS (kW)
182; 160; 200
- PEAK LOAD TIME
13:20
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
434

GENERATION AND CONSUMPTION

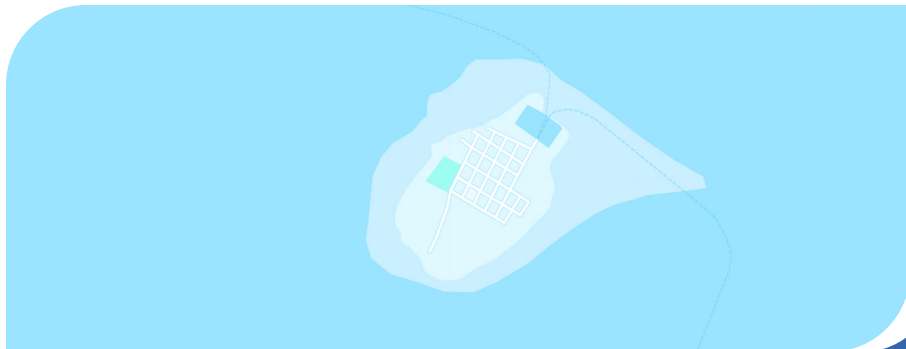
- ELECTRICITY PRODUCTION (kWh)
537,851
- DIESEL FUEL CONSUMPTION (Litres)
222,269
- LUBE OIL CONSUMPTION (Litres)
963
- TOTAL BILLED AMOUNT (kWh)
695,775

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1994
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



B. Kamadhoo

GEOGRAPHICAL INFORMATION



POPULATION
536



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
521

DEMAND & CAPACITY

- PEAK LOAD (kW)
152
- INSTALLED DIESEL GENERATOR SETS (kW)
225; 225
- PEAK LOAD TIME
11:55
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
360

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
722,951
- DIESEL FUEL CONSUMPTION (Litres)
323,806
- LUBE OIL CONSUMPTION (Litres)
888
- TOTAL BILLED AMOUNT (kWh)
710,533

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2014
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
2%



B. Kendhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,316



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
782

DEMAND & CAPACITY

- PEAK LOAD (kW)
300
- INSTALLED DIESEL GENERATOR SETS (kW)
313; 250; 160; 151
- PEAK LOAD TIME
12:47
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
699

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,085,886
- DIESEL FUEL CONSUMPTION (Litres)
414,673
- LUBE OIL CONSUMPTION (Litres)
1,907
- TOTAL BILLED AMOUNT (kWh)
962,927

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
11%



B. Kihaadhoo

GEOGRAPHICAL INFORMATION



POPULATION
498



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
234

DEMAND & CAPACITY

- PEAK LOAD (kW)
150
- INSTALLED DIESEL GENERATOR SETS (kW)
160; 113; 130; 80
- PEAK LOAD TIME
12:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
386

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
324,494
- DIESEL FUEL CONSUMPTION (Litres)
101,875
- LUBE OIL CONSUMPTION (Litres)
1,005
- TOTAL BILLED AMOUNT (kWh)
374,714

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



B. Kudarikilu

GEOGRAPHICAL INFORMATION



POPULATION
639



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
380

DEMAND & CAPACITY

- PEAK LOAD (kW)
163
- INSTALLED DIESEL GENERATOR SETS (kW)
160; 128; 100
- PEAK LOAD TIME
12:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
310

GENERATION AND CONSUMPTION

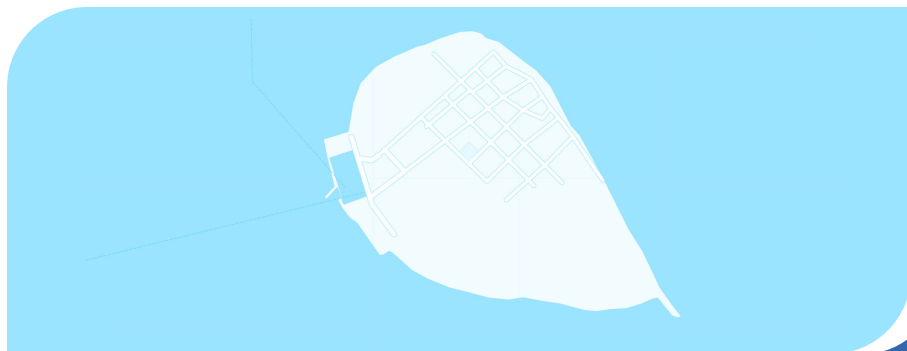
- ELECTRICITY PRODUCTION (kWh)
527,683
- DIESEL FUEL CONSUMPTION (Litres)
178,287
- LUBE OIL CONSUMPTION (Litres)
709
- TOTAL BILLED AMOUNT (kWh)
490,239

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
7%



B. Maalhos

GEOGRAPHICAL INFORMATION



POPULATION
728



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
581

DEMAND & CAPACITY

- PEAK LOAD (kW)
190
- INSTALLED DIESEL GENERATOR SETS (kW)
100; 148; 128; 160
- PEAK LOAD TIME
13:15
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
429

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
806,444
- DIESEL FUEL CONSUMPTION (Litres)
261,385
- LUBE OIL CONSUMPTION (Litres)
1,700
- TOTAL BILLED AMOUNT (kWh)
685,756

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
15%



B. Thulhaadhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,981



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,475

DEMAND & CAPACITY

- PEAK LOAD (kW)
475
- INSTALLED DIESEL GENERATOR SETS (kW)
312; 312; 250
- PEAK LOAD TIME
12:15
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
699

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
2,048,481
- DIESEL FUEL CONSUMPTION (Litres)
603,339
- LUBE OIL CONSUMPTION (Litres)
3,027
- TOTAL BILLED AMOUNT (kWh)
1,663,903

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
1
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
1,241
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
1

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2001
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
19%

Lhaviyani

ATOLL



POPULATION

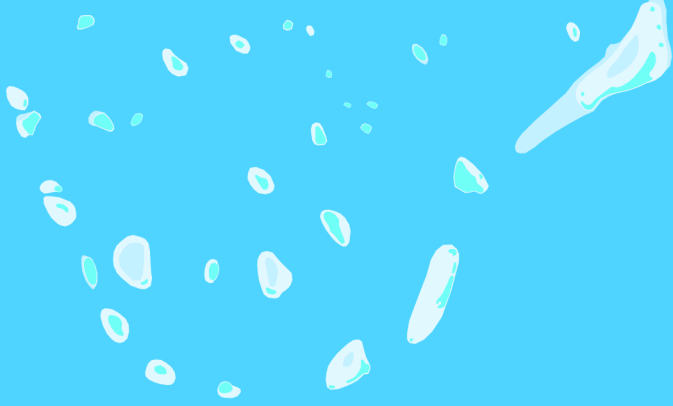
11,905

TOTAL ISLANDS

4

CAPITAL ISLAND

NAIFARU





Lh. Hinnavaru

GEOGRAPHICAL INFORMATION



POPULATION
4,901



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
2,583

DEMAND & CAPACITY

- PEAK LOAD (kW)
775
- INSTALLED DIESEL GENERATOR SETS (kW)
250; 450; 750
- PEAK LOAD TIME
13:45
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1160

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
3,587,680
- DIESEL FUEL CONSUMPTION (Litres)
1,145,355
- LUBE OIL CONSUMPTION (Litres)
4,993
- TOTAL BILLED AMOUNT (kWh)
3,175,119

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2002
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
11%



Lh. Kurendhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,040



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,161

DEMAND & CAPACITY

- PEAK LOAD (kW)
336
- INSTALLED DIESEL GENERATOR SETS (kW)
187.5; 130; 312.5
- PEAK LOAD TIME
12:15
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
504

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,612,514
- DIESEL FUEL CONSUMPTION (Litres)
479,758
- LUBE OIL CONSUMPTION (Litres)
1,850
- TOTAL BILLED AMOUNT (kWh)
1,544,701

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
100
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
148,060
- SOLAR PV INSTALLED UTILITY (kW)
100
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2002
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
4%



Lh. Naifaru

GEOGRAPHICAL INFORMATION



POPULATION
5,542



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
3,947

DEMAND & CAPACITY

- PEAK LOAD (kW)
1025
- INSTALLED DIESEL GENERATOR SETS (kW)
900; 375; 810; 1000
- PEAK LOAD TIME
12:15
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2468

GENERATION AND CONSUMPTION

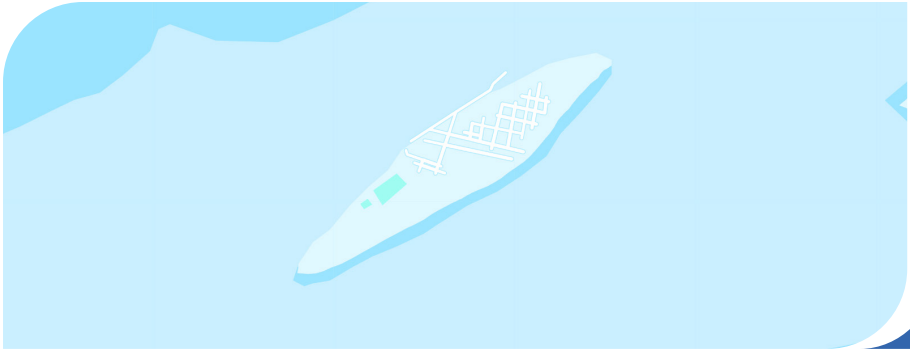
- ELECTRICITY PRODUCTION (kWh)
5,482,424
- DIESEL FUEL CONSUMPTION (Litres)
1,793,082
- LUBE OIL CONSUMPTION (Litres)
8,424
- TOTAL BILLED AMOUNT (kWh)
5,234,853

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1995
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
5%



Lh. Olhufelishu

GEOGRAPHICAL INFORMATION



POPULATION
775



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
596

DEMAND & CAPACITY

- PEAK LOAD (kW) **162**
- INSTALLED DIESEL GENERATOR SETS (kW) **200; 200; 125**
- PEAK LOAD TIME **11:57**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **420**

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh) **828,165**
- DIESEL FUEL CONSUMPTION (Litres) **270,170**
- LUBE OIL CONSUMPTION (Litres) **1,503**
- TOTAL BILLED AMOUNT (kWh) **709,245**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **-**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **-**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **2006**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **14%**

Kaafu ATOLL



POPULATION

12,166

TOTAL ISLANDS

13

CAPITAL ISLAND

MALE'





K. Dhiffushi

GEOGRAPHICAL INFORMATION



POPULATION
1,329



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
1,180

DEMAND & CAPACITY

- PEAK LOAD (kW)
458
- INSTALLED DIESEL GENERATOR SETS (kW)
183; 201; 343; 484
- PEAK LOAD TIME
12:50
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
969

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,638,447
- DIESEL FUEL CONSUMPTION (Litres)
518,431
- LUBE OIL CONSUMPTION (Litres)
1,485
- TOTAL BILLED AMOUNT (kWh)
1,765,406

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
40
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
61,995
- SOLAR PV INSTALLED UTILITY (kW)
40
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



K. Gaafaru

GEOGRAPHICAL INFORMATION



POPULATION
1,478



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
1,091

DEMAND & CAPACITY

- PEAK LOAD (kW)
378
- INSTALLED DIESEL GENERATOR SETS (kW)
160; 300; 400
- PEAK LOAD TIME
12:50
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
688

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,515,243
- DIESEL FUEL CONSUMPTION (Litres)
433,329
- LUBE OIL CONSUMPTION (Litres)
1,277
- TOTAL BILLED AMOUNT (kWh)
1,339,302

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
12%



K. Gulhi

GEOGRAPHICAL INFORMATION



POPULATION
948



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
887

DEMAND & CAPACITY

- PEAK LOAD (kW)
287
- INSTALLED DIESEL GENERATOR SETS (kW)
220; 160; 330
- PEAK LOAD TIME
13:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
568

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,231,283
- DIESEL FUEL CONSUMPTION (Litres)
361,028
- LUBE OIL CONSUMPTION (Litres)
1,196
- TOTAL BILLED AMOUNT (kWh)
1,923,817

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2008
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



K. Gulhi Falhu

GEOGRAPHICAL INFORMATION



POPULATION

ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
223

DEMAND & CAPACITY

- PEAK LOAD (kW)
84
- INSTALLED DIESEL GENERATOR SETS (kW)
40; 110; 319
- PEAK LOAD TIME
13:50
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
375

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
309,810
- DIESEL FUEL CONSUMPTION (Litres)
136,715
- LUBE OIL CONSUMPTION (Litres)
562
- TOTAL BILLED AMOUNT (kWh)
293,162

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2011, 2016, 2017
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
5%



K. Guraidhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,738



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
2,149

DEMAND & CAPACITY

- PEAK LOAD (kW)
587
- INSTALLED DIESEL GENERATOR SETS (kW)
360; 400; 590
- PEAK LOAD TIME
12:50
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1080

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
2,984,273
- DIESEL FUEL CONSUMPTION (Litres)
844,586
- LUBE OIL CONSUMPTION (Litres)
1,910
- TOTAL BILLED AMOUNT (kWh)
2,750,672

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
61,755
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1998
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
8%



K. Himmafushi

GEOGRAPHICAL INFORMATION



POPULATION
1,138



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
2,356

DEMAND & CAPACITY

- PEAK LOAD (kW)
590
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 200; 250; 500
- PEAK LOAD TIME
16:47
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
920

GENERATION AND CONSUMPTION

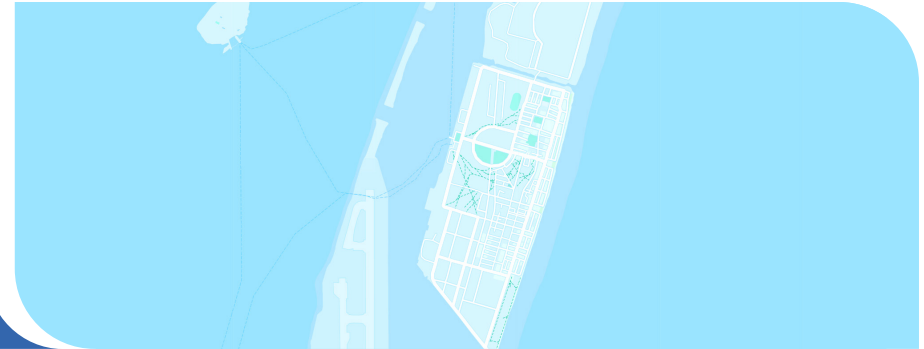
- ELECTRICITY PRODUCTION (kWh)
3,272,818
- DIESEL FUEL CONSUMPTION (Litres)
915,142
- LUBE OIL CONSUMPTION (Litres)
2,904
- TOTAL BILLED AMOUNT (kWh)
3,076,820

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
70
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
74,400
- SOLAR PV INSTALLED UTILITY (kW)
70
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2002
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
6%



K. Hulhumale'

GEOGRAPHICAL INFORMATION



POPULATION
8,430



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
48,885

DEMAND & CAPACITY

- PEAK LOAD (kW)
10810
- INSTALLED DIESEL GENERATOR SETS (kW)
1000; 1500; 1256; 1250; 2000; 1250; 1250; 2080; 1250; 1250; 2000; 2000; 2135; 2000; 2500; 2500; 11955; 11955; 11955; 11955; 11955; 11955;
- PEAK LOAD TIME
19:27
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
80161

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
67,896,227
- DIESEL FUEL CONSUMPTION (Litres)
18,796,991
- LUBE OIL CONSUMPTION (Litres)
77,879
- TOTAL BILLED AMOUNT (kWh)
63,743,185

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
1,536
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
2,068,243
- SOLAR PV INSTALLED UTILITY (kW)
1,500
- SOLAR PV INSTALLED NET METERING(kW)
36

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2003
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
6%



K. Kaashidhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,478



ELECTRICITY PROVIDER
STELCO

EMISSIONS

● CO2 EMISSION (tCO₂)
1,784

DEMAND & CAPACITY

- PEAK LOAD (kW) **496**
- INSTALLED DIESEL GENERATOR SETS (kW) **200; 250; 312; 738**
- PEAK LOAD TIME **12:15**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **1200**

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh) **2,478,400**
- DIESEL FUEL CONSUMPTION (Litres) **695,157**
- LUBE OIL CONSUMPTION (Litres) **2,212**
- TOTAL BILLED AMOUNT (kWh) **2,283,152**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **45**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **45**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **2011**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **8%**



K. Maafushi

GEOGRAPHICAL INFORMATION



POPULATION
1,949



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
6,207

DEMAND & CAPACITY

- PEAK LOAD (kW)
1626
- INSTALLED DIESEL GENERATOR SETS (kW)
880; 590; 1000; 1600
- PEAK LOAD TIME
18:42
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
3256

GENERATION AND CONSUMPTION

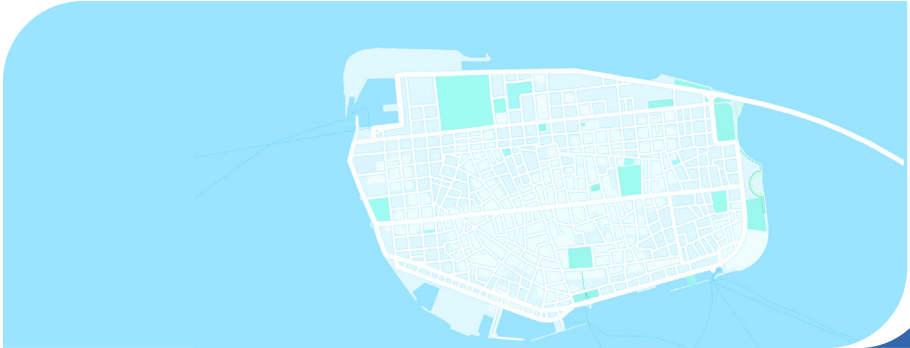
- ELECTRICITY PRODUCTION (kWh)
8,621,397
- DIESEL FUEL CONSUMPTION (Litres)
2,479,988
- LUBE OIL CONSUMPTION (Litres)
12,854
- TOTAL BILLED AMOUNT (kWh)
8,354,536

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
149
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
135
- SOLAR PV INSTALLED NET METERING(kW)
14

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1997
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
3%



K. Male'

GEOGRAPHICAL INFORMATION



POPULATION
56,371



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)

DEMAND & CAPACITY

- PEAK LOAD (kW)
59490
- INSTALLED DIESEL GENERATOR SETS (kW)
5400; 2700; 2700; 2700; 7200; 8125; 8125; 10912; 10912; 11155; 1250; 1250; 1250; 1250; 2000; 2000; 2135; 2080; 2500; 2500; 2000; 2135; 2080
- PEAK LOAD TIME
14:35
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
76487

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
354,210,672
- DIESEL FUEL CONSUMPTION (Litres)
89,711,499
- LUBE OIL CONSUMPTION (Litres)
277,027
- TOTAL BILLED AMOUNT (kWh)
318,850,963

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
901
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
934,614
- SOLAR PV INSTALLED UTILITY (kW)
675
- SOLAR PV INSTALLED NET METERING(kW)
226

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
255,032
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
10%



K. Thilafushi

GEOGRAPHICAL INFORMATION



POPULATION
0



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
3,716

DEMAND & CAPACITY

- PEAK LOAD (kW)
1220
- INSTALLED DIESEL GENERATOR SETS (kW)
500; 500; 450; 1000
- PEAK LOAD TIME
11:52
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1960

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
5,161,147
- DIESEL FUEL CONSUMPTION (Litres)
2,501,598
- LUBE OIL CONSUMPTION (Litres)
3,316
- TOTAL BILLED AMOUNT (kWh)
4,595,509

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2006
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
11%



K. Thulusdhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,517



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
2,288

DEMAND & CAPACITY

- PEAK LOAD (kW)
700
- INSTALLED DIESEL GENERATOR SETS (kW)
250; 400; 500; 600
- PEAK LOAD TIME
15:47
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1400

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
3,177,255
- DIESEL FUEL CONSUMPTION (Litres)
893,298
- LUBE OIL CONSUMPTION (Litres)
2,168
- TOTAL BILLED AMOUNT (kWh)
3,012,871

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
58
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
67,830
- SOLAR PV INSTALLED UTILITY (kW)
48
- SOLAR PV INSTALLED NET METERING(kW)
10

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1983
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
5%



K. Villingili

GEOGRAPHICAL INFORMATION



POPULATION
2,941



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
9,072

DEMAND & CAPACITY

- PEAK LOAD (kW)
2151
- INSTALLED DIESEL GENERATOR SETS (kW)
1200; 1200; 1200; 1200
- PEAK LOAD TIME
13:37
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
3840

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
12,600,110
- DIESEL FUEL CONSUMPTION (Litres)
3,512,041
- LUBE OIL CONSUMPTION (Litres)
12,166
- TOTAL BILLED AMOUNT (kWh)
11,628,375

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
294
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
329,488
- SOLAR PV INSTALLED UTILITY (kW)
294
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1997
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
8%

Alifu Alifu

ATOLL



POPULATION

5,905

TOTAL ISLANDS

8

CAPITAL ISLAND

RASDHOO





AA. Bodufulhadhoo

GEOGRAPHICAL INFORMATION



POPULATION
807



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
607

DEMAND & CAPACITY

- PEAK LOAD (kW)
202
- INSTALLED DIESEL GENERATOR SETS (kW)
176; 128; 112 ;80
- PEAK LOAD TIME
13:25
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
397

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
843,269
- DIESEL FUEL CONSUMPTION (Litres)
250,455
- LUBE OIL CONSUMPTION (Litres)
784
- TOTAL BILLED AMOUNT (kWh)
759,951

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2001
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
10%



AA. Feridhoo

GEOGRAPHICAL INFORMATION



POPULATION
814



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
489

DEMAND & CAPACITY

- PEAK LOAD (kW)
148
- INSTALLED DIESEL GENERATOR SETS (kW)
140; 176; 128; 88; 80
- PEAK LOAD TIME
12:52
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
490

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
678,609
- DIESEL FUEL CONSUMPTION (Litres)
270,749
- LUBE OIL CONSUMPTION (Litres)
804
- TOTAL BILLED AMOUNT (kWh)
597,715

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2006
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
12%



AA. Himandhoo

GEOGRAPHICAL INFORMATION



POPULATION

ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
716

DEMAND & CAPACITY

- PEAK LOAD (kW)
230
- INSTALLED DIESEL GENERATOR SETS (kW)
112; 160; 220; 120
- PEAK LOAD TIME
12:47
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
490

GENERATION AND CONSUMPTION

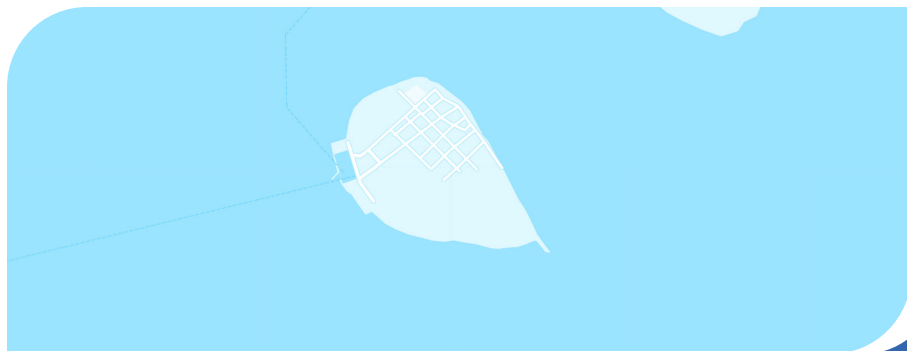
- ELECTRICITY PRODUCTION (kWh)
993,763
- DIESEL FUEL CONSUMPTION (Litres)
296,926
- LUBE OIL CONSUMPTION (Litres)
935
- TOTAL BILLED AMOUNT (kWh)
883,459

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2005
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
11%



AA. Maalhos

GEOGRAPHICAL INFORMATION



POPULATION
735



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
516

DEMAND & CAPACITY

- PEAK LOAD (kW)
159
- INSTALLED DIESEL GENERATOR SETS (kW)
80; 140; 176; 150
- PEAK LOAD TIME
12:42
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
437

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
716,517
- DIESEL FUEL CONSUMPTION (Litres)
208,155
- LUBE OIL CONSUMPTION (Litres)
978
- TOTAL BILLED AMOUNT (kWh)
632,758

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1989
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
12%



AA. Mathiveri

GEOGRAPHICAL INFORMATION



POPULATION
946



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
791

DEMAND & CAPACITY

- PEAK LOAD (kW)
280
- INSTALLED DIESEL GENERATOR SETS (kW)
176; 184; 400
- PEAK LOAD TIME
13:50
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
608

GENERATION AND CONSUMPTION

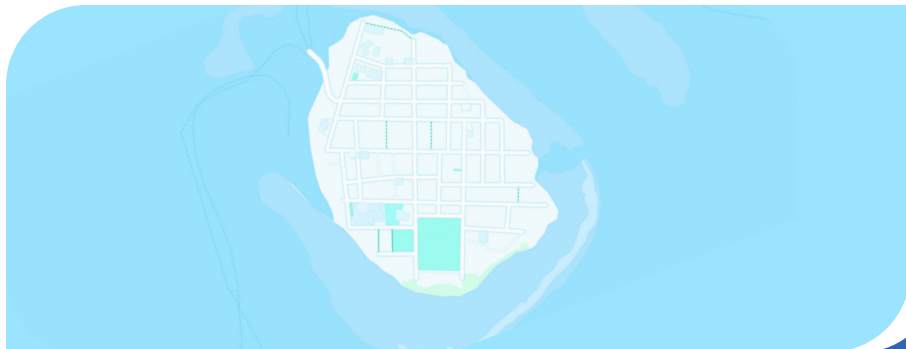
- ELECTRICITY PRODUCTION (kWh)
1,099,118
- DIESEL FUEL CONSUMPTION (Litres)
333,319
- LUBE OIL CONSUMPTION (Litres)
1,341
- TOTAL BILLED AMOUNT (kWh)
991,459

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2006
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
10%



AA. Rasdhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,216



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
1,915

DEMAND & CAPACITY

- PEAK LOAD (kW)
466
- INSTALLED DIESEL GENERATOR SETS (kW)
250; 440; 520
- PEAK LOAD TIME
14:22
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
968

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
2,660,049
- DIESEL FUEL CONSUMPTION (Litres)
732,513
- LUBE OIL CONSUMPTION (Litres)
1,797
- TOTAL BILLED AMOUNT (kWh)
2,370,955

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2005
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
11%



AA. Thoddoo

GEOGRAPHICAL INFORMATION



POPULATION
2,017



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
1,915

DEMAND & CAPACITY

- PEAK LOAD (kW)
513
- INSTALLED DIESEL GENERATOR SETS (kW)
320; 176; 264; 400
- PEAK LOAD TIME
13:45
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
928

GENERATION AND CONSUMPTION

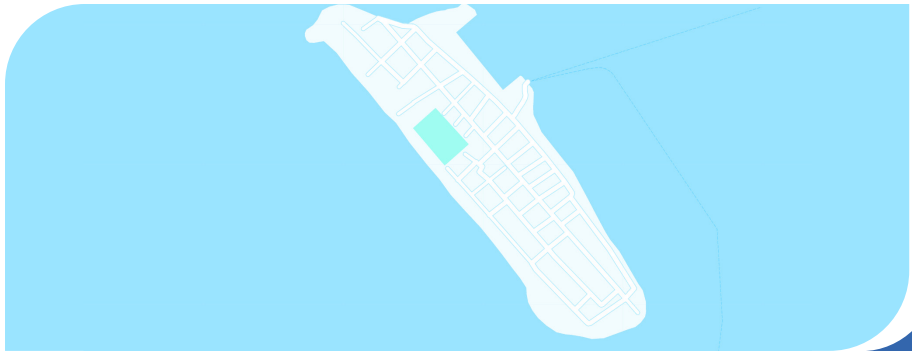
- ELECTRICITY PRODUCTION (kWh)
2,376,412
- DIESEL FUEL CONSUMPTION (Litres)
677,002
- LUBE OIL CONSUMPTION (Litres)
1,750
- TOTAL BILLED AMOUNT (kWh)
2,165,874

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2007
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
9%



AA. Ukulhas

GEOGRAPHICAL INFORMATION



POPULATION
1,079



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
1,315

DEMAND & CAPACITY

- PEAK LOAD (kW)
460
- INSTALLED DIESEL GENERATOR SETS (kW)
140; 380; 450
- PEAK LOAD TIME
15:12
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
776

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,825,909
- DIESEL FUEL CONSUMPTION (Litres)
510,769
- LUBE OIL CONSUMPTION (Litres)
1,702
- TOTAL BILLED AMOUNT (kWh)
1,678,526

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
14
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
21,220
- SOLAR PV INSTALLED UTILITY (kW)
14
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2002
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
8%

Alifu Dhaalu

ATOLL



POPULATION

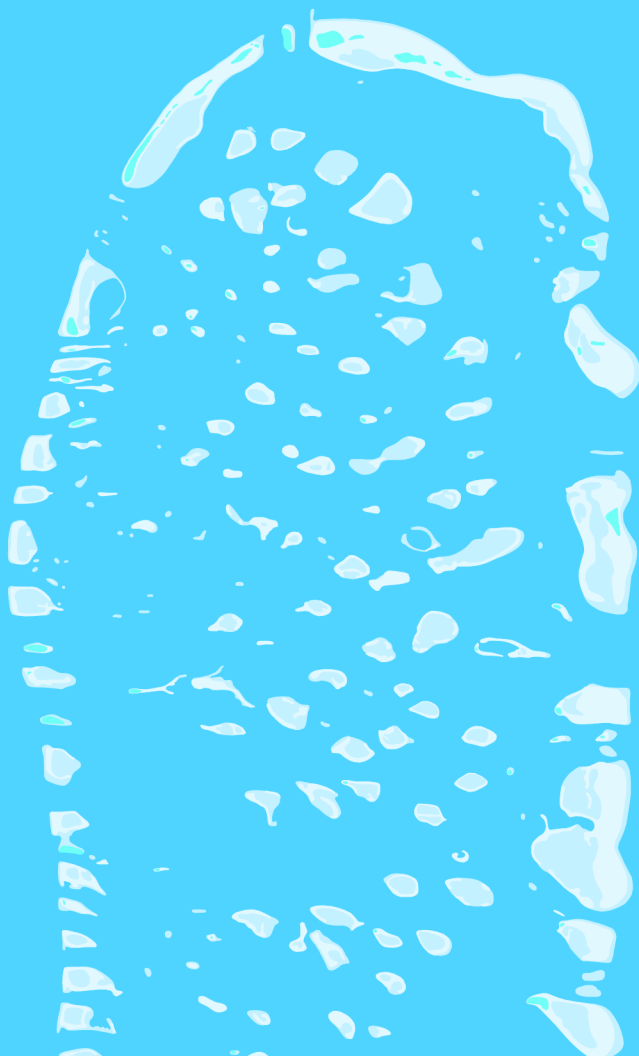
8,145

TOTAL ISLANDS

10

CAPITAL ISLAND

MAHIBADHOO





ADh. Dhangethi

GEOGRAPHICAL INFORMATION



POPULATION
1,071



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
1,018

DEMAND & CAPACITY

- PEAK LOAD (kW)
285
- INSTALLED DIESEL GENERATOR SETS (kW)
250; 200; 500; 250
- PEAK LOAD TIME
13:57
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
960

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,413,593
- DIESEL FUEL CONSUMPTION (Litres)
430,861
- LUBE OIL CONSUMPTION (Litres)
1,720
- TOTAL BILLED AMOUNT (kWh)
1,224,439

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2002
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
13%



ADh. Dhigurah

GEOGRAPHICAL INFORMATION



POPULATION
668



ELECTRICITY PROVIDER
STELCO

EMISSIONS

● CO2 EMISSION (tCO₂)
966

DEMAND & CAPACITY

- PEAK LOAD (kW) **326**
- INSTALLED DIESEL GENERATOR SETS (kW) **220; 250; 380; 520**
- PEAK LOAD TIME **15:40**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **1096**

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh) **1,341,781**
- DIESEL FUEL CONSUMPTION (Litres) **447,532**
- LUBE OIL CONSUMPTION (Litres) **1,180**
- TOTAL BILLED AMOUNT (kWh) **1,254,824**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **-**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **-**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **2007**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **6%**



ADh. Dhindhoo

GEOGRAPHICAL INFORMATION



POPULATION
213



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
150

DEMAND & CAPACITY

- PEAK LOAD (kW)
61
- INSTALLED DIESEL GENERATOR SETS (kW)
72; 80; 176
- PEAK LOAD TIME
17:15
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
262

GENERATION AND CONSUMPTION

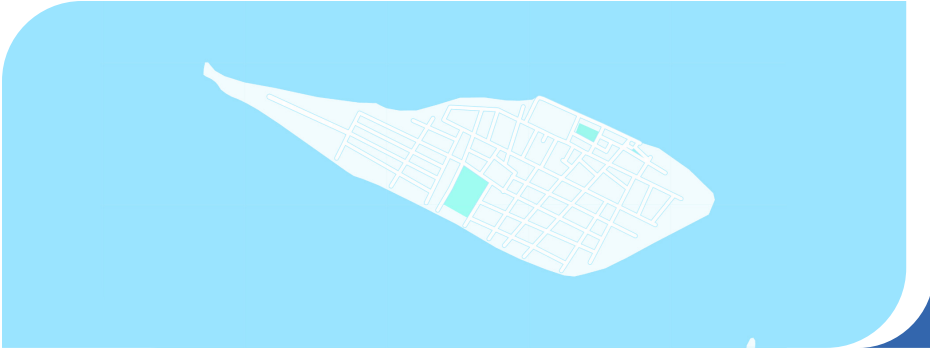
- ELECTRICITY PRODUCTION (kWh)
207,809
- DIESEL FUEL CONSUMPTION (Litres)
75,514
- LUBE OIL CONSUMPTION (Litres)
493
- TOTAL BILLED AMOUNT (kWh)
170,536

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
86,459
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
18%



ADh. Fenfushi

GEOGRAPHICAL INFORMATION



POPULATION
1,065



ELECTRICITY PROVIDER
STELCO

EMISSIONS

● CO2 EMISSION (tCO₂)
852

DEMAND & CAPACITY

- PEAK LOAD (kW) **266**
- INSTALLED DIESEL GENERATOR SETS (kW) **85; 100; 160; 220; 330**
- PEAK LOAD TIME **12:35**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **716**

GENERATION AND CONSUMPTION

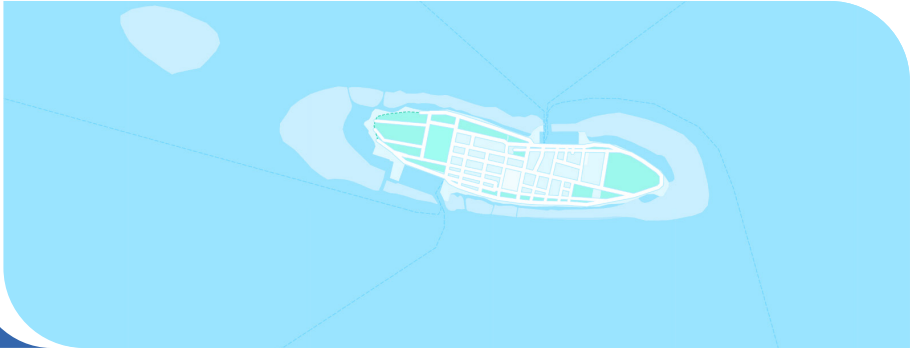
- ELECTRICITY PRODUCTION (kWh) **1,183,478**
- DIESEL FUEL CONSUMPTION (Litres) **348,893**
- LUBE OIL CONSUMPTION (Litres) **1,111**
- TOTAL BILLED AMOUNT (kWh) **1,058,846**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **-**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **-**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **2011 , 2014**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **11%**



ADh. Hangnaameedhoo

GEOGRAPHICAL INFORMATION



POPULATION
731



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
537

DEMAND & CAPACITY

- PEAK LOAD (kW)
163
- INSTALLED DIESEL GENERATOR SETS (kW)
125; 200; 200; 156
- PEAK LOAD TIME
15:17
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
545

GENERATION AND CONSUMPTION

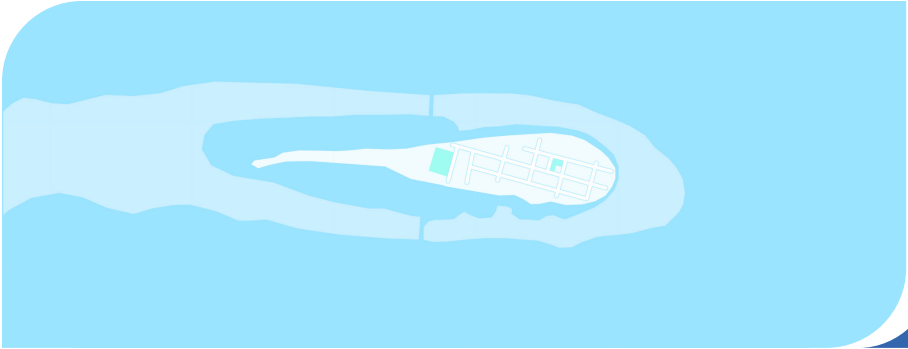
- ELECTRICITY PRODUCTION (kWh)
746,229
- DIESEL FUEL CONSUMPTION (Litres)
217,461
- LUBE OIL CONSUMPTION (Litres)
956
- TOTAL BILLED AMOUNT (kWh)
701,369

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2002
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
6%



ADh. Kunburudhoo

GEOGRAPHICAL INFORMATION



POPULATION
612



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
425

DEMAND & CAPACITY

- PEAK LOAD (kW)
146
- INSTALLED DIESEL GENERATOR SETS (kW)
80; 72.6; 174
- PEAK LOAD TIME
12:02
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
261

GENERATION AND CONSUMPTION

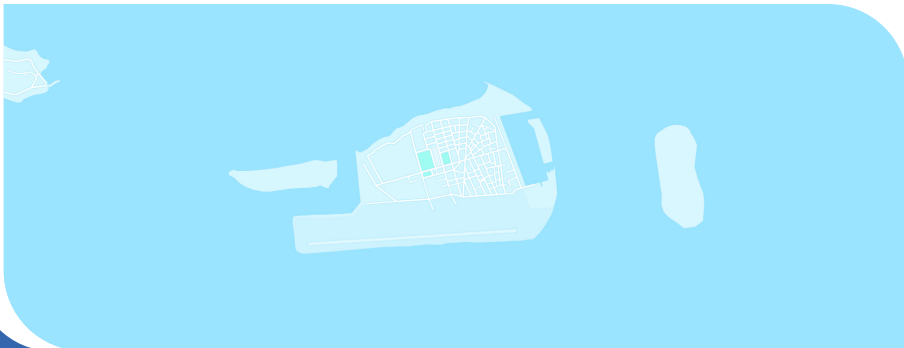
- ELECTRICITY PRODUCTION (kWh)
590,229
- DIESEL FUEL CONSUMPTION (Litres)
176,042
- LUBE OIL CONSUMPTION (Litres)
712
- TOTAL BILLED AMOUNT (kWh)
516,738

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
109
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
159,140
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
109

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2005
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
12%



ADh. Maamigili

GEOGRAPHICAL INFORMATION



POPULATION
3,031



ELECTRICITY PROVIDER
**Villa Shipping and Trading
Company**

EMISSIONS

- CO2 EMISSION (tCO₂)
8,109

DEMAND & CAPACITY

- PEAK LOAD (kW)
3161
- INSTALLED DIESEL GENERATOR SETS (kW)
1387.5; 1562.5; 781.25; 625
- PEAK LOAD TIME
-
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
3485

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
11,261,979
- DIESEL FUEL CONSUMPTION (Litres)
3,753,993
- LUBE OIL CONSUMPTION (Litres)
6,437
- TOTAL BILLED AMOUNT (kWh)
11,249,290

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1992
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



ADh. Mahibadhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,465



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
2,376

DEMAND & CAPACITY

- PEAK LOAD (kW)
630
- INSTALLED DIESEL GENERATOR SETS (kW)
455; 500; 510; 1000
- PEAK LOAD TIME
12:30
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1972

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
3,299,602
- DIESEL FUEL CONSUMPTION (Litres)
931,988
- LUBE OIL CONSUMPTION (Litres)
5,391
- TOTAL BILLED AMOUNT (kWh)
3,127,643

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
74
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
30
- SOLAR PV INSTALLED NET METERING(kW)
44

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
5%



ADh. Mandhoo

GEOGRAPHICAL INFORMATION



POPULATION
476



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
265

DEMAND & CAPACITY

- PEAK LOAD (kW)
104
- INSTALLED DIESEL GENERATOR SETS (kW)
60; 60; 60; 188
- PEAK LOAD TIME
15:22
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
294

GENERATION AND CONSUMPTION

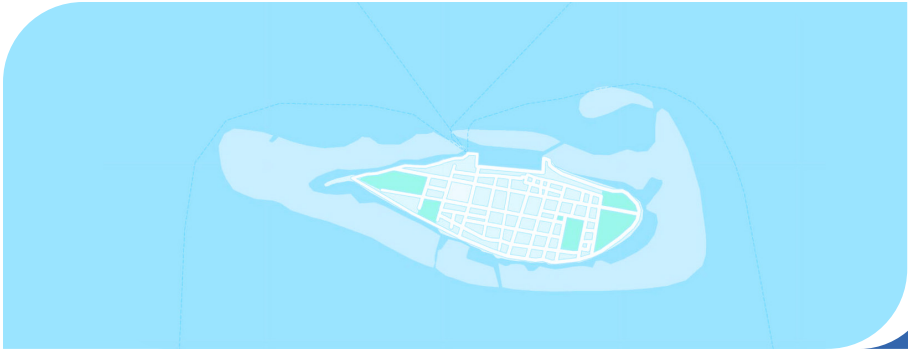
- ELECTRICITY PRODUCTION (kWh)
367,784
- DIESEL FUEL CONSUMPTION (Litres)
160,217
- LUBE OIL CONSUMPTION (Litres)
897
- TOTAL BILLED AMOUNT (kWh)
437,584

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2001
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



ADh. Omadhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,107



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
580

DEMAND & CAPACITY

- PEAK LOAD (kW)
190
- INSTALLED DIESEL GENERATOR SETS (kW)
175; 220 ; 270
- PEAK LOAD TIME
19:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
532

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
805,188
- DIESEL FUEL CONSUMPTION (Litres)
256,659
- LUBE OIL CONSUMPTION (Litres)
1,005
- TOTAL BILLED AMOUNT (kWh)
787,318

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
30
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
39,701
- SOLAR PV INSTALLED UTILITY (kW)
30
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
2%

Vaavu ATOLL



POPULATION

1,601

TOTAL ISLANDS

5

CAPITAL ISLAND

FELIDHOO





V. Felidhoo

GEOGRAPHICAL INFORMATION



POPULATION
667



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
662

DEMAND & CAPACITY

- PEAK LOAD (kW)
218
- INSTALLED DIESEL GENERATOR SETS (kW)
120; 150; 304
- PEAK LOAD TIME
13:25
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
459

GENERATION AND CONSUMPTION

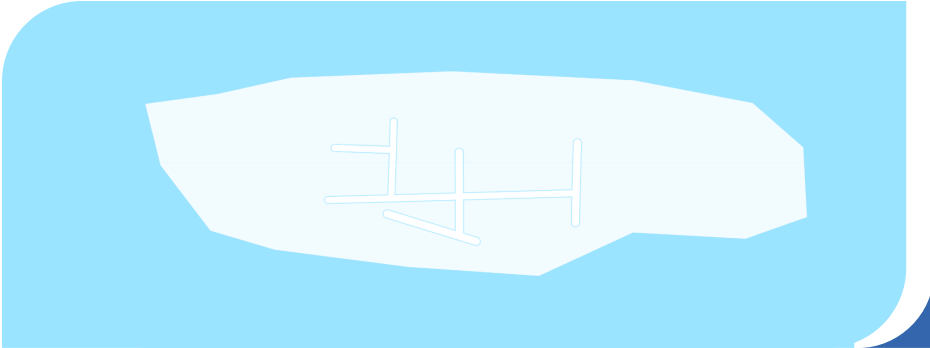
- ELECTRICITY PRODUCTION (kWh)
919,037
- DIESEL FUEL CONSUMPTION (Litres)
277,765
- LUBE OIL CONSUMPTION (Litres)
1,021
- TOTAL BILLED AMOUNT (kWh)
918,853

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
0%



V. Fulidhoo

GEOGRAPHICAL INFORMATION



POPULATION
500



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
500

DEMAND & CAPACITY

- PEAK LOAD (kW)
162
- INSTALLED DIESEL GENERATOR SETS (kW)
80; 120; 128; 150; 176
- PEAK LOAD TIME
13:55
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
523

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
694,610
- DIESEL FUEL CONSUMPTION (Litres)
231,537
- LUBE OIL CONSUMPTION (Litres)
1,122
- TOTAL BILLED AMOUNT (kWh)
621,320

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2007
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
11%



V. Keyodhoo

GEOGRAPHICAL INFORMATION



POPULATION
859



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
615

DEMAND & CAPACITY

- PEAK LOAD (kW)
198
- INSTALLED DIESEL GENERATOR SETS (kW)
140; 160; 184
- PEAK LOAD TIME
13:45
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
387

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
854,121
- DIESEL FUEL CONSUMPTION (Litres)
280,129
- LUBE OIL CONSUMPTION (Litres)
1,507
- TOTAL BILLED AMOUNT (kWh)
819,839

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2007
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
4%



V. Rakeedhoo

GEOGRAPHICAL INFORMATION



POPULATION
362



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
104

DEMAND & CAPACITY

- PEAK LOAD (kW)
44
- INSTALLED DIESEL GENERATOR SETS (kW)
68; 72.6
- PEAK LOAD TIME
16:37
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
112

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
143,948
- DIESEL FUEL CONSUMPTION (Litres)
54,432
- LUBE OIL CONSUMPTION (Litres)
302
- TOTAL BILLED AMOUNT (kWh)
158,856

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
114
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
15,032
- SOLAR PV INSTALLED UTILITY (kW)
114
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2008
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



V. Thinadhoo

GEOGRAPHICAL INFORMATION



POPULATION
211



ELECTRICITY PROVIDER
STELCO

EMISSIONS

- CO2 EMISSION (tCO₂)
586

DEMAND & CAPACITY

- PEAK LOAD (kW)
222
- INSTALLED DIESEL GENERATOR SETS (kW)
72.5; 176; 200; 280
- PEAK LOAD TIME
14:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
583

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
814,017
- DIESEL FUEL CONSUMPTION (Litres)
249,272
- LUBE OIL CONSUMPTION (Litres)
1,083
- TOTAL BILLED AMOUNT (kWh)
748,158

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2012
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
8%

Meemu ATOLL



POPULATION

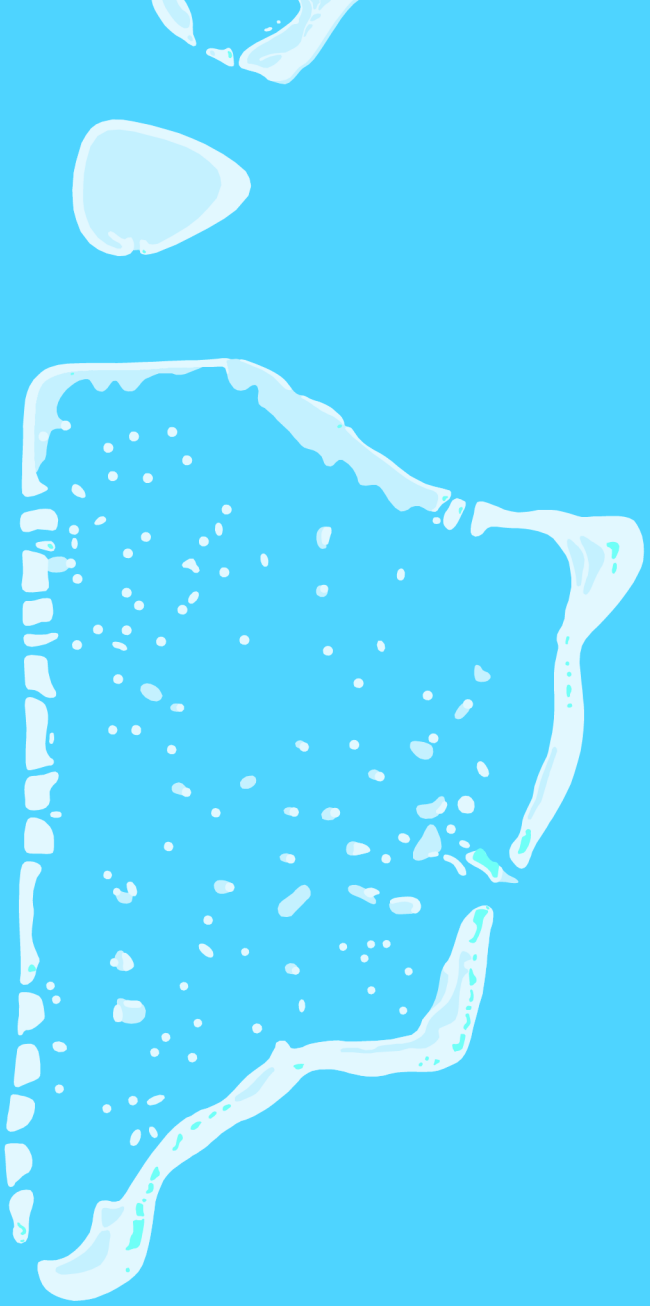
4,705

TOTAL ISLANDS

8

CAPITAL ISLAND

MULI



M

A
T
T
O
L
L

M. Dhiggaru

GEOGRAPHICAL INFORMATION



POPULATION
1,388



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
687

DEMAND & CAPACITY

- PEAK LOAD (kW)
195
- INSTALLED DIESEL GENERATOR SETS (kW)
160; 250; 140
- PEAK LOAD TIME
13:50
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
440

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
954,327
- DIESEL FUEL CONSUMPTION (Litres)
387,730
- LUBE OIL CONSUMPTION (Litres)
1,405
- TOTAL BILLED AMOUNT (kWh)
875,614

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2008
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
8%



M. Kolhufushi

GEOGRAPHICAL INFORMATION



POPULATION
1,427



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
732

DEMAND & CAPACITY

- PEAK LOAD (kW)
204
- INSTALLED DIESEL GENERATOR SETS (kW)
350; 350; 212
- PEAK LOAD TIME
15:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
730

GENERATION AND CONSUMPTION

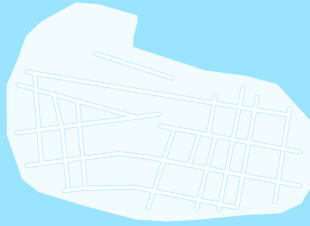
- ELECTRICITY PRODUCTION (kWh)
1,016,431
- DIESEL FUEL CONSUMPTION (Litres)
321,052
- LUBE OIL CONSUMPTION (Litres)
896
- TOTAL BILLED AMOUNT (kWh)
941,921

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2014
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
7%



M. Maduvvaree

GEOGRAPHICAL INFORMATION



POPULATION
721



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
266

DEMAND & CAPACITY

- PEAK LOAD (kW)
113
- INSTALLED DIESEL GENERATOR SETS (kW)
100; 140; 160
- PEAK LOAD TIME
12:55
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
320

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
369,859
- DIESEL FUEL CONSUMPTION (Litres)
141,071
- LUBE OIL CONSUMPTION (Litres)
634
- TOTAL BILLED AMOUNT (kWh)
322,399

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1996
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
13%



M. Mulah

GEOGRAPHICAL INFORMATION



POPULATION
1,810



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,069

DEMAND & CAPACITY

- PEAK LOAD (kW)
290
- INSTALLED DIESEL GENERATOR SETS (kW)
225; 312.5; 455; 144
- PEAK LOAD TIME
13:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
909

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,484,403
- DIESEL FUEL CONSUMPTION (Litres)
486,410
- LUBE OIL CONSUMPTION (Litres)
1,964
- TOTAL BILLED AMOUNT (kWh)
1,402,118

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
720
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
1,051,200
- SOLAR PV INSTALLED UTILITY (kW)
720
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2009
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
6%

M

A
T
T
O
L
L

M. Muli

GEOGRAPHICAL INFORMATION



POPULATION
982



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,029

DEMAND & CAPACITY

- PEAK LOAD (kW)
312
- INSTALLED DIESEL GENERATOR SETS (kW)
313; 200; 500
- PEAK LOAD TIME
12:57
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
810

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,428,663
- DIESEL FUEL CONSUMPTION (Litres)
538,858
- LUBE OIL CONSUMPTION (Litres)
1,726
- TOTAL BILLED AMOUNT (kWh)
1,353,640

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2009
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
5%

M. Naalaafushi

GEOGRAPHICAL INFORMATION



POPULATION
538



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
305

DEMAND & CAPACITY

- PEAK LOAD (kW)
77
- INSTALLED DIESEL GENERATOR SETS (kW)
100; 135; 100; 160
- PEAK LOAD TIME
13:40
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
396

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
424,227
- DIESEL FUEL CONSUMPTION (Litres)
180,737
- LUBE OIL CONSUMPTION (Litres)
1,498
- TOTAL BILLED AMOUNT (kWh)
371,328

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2005
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
12%

M

A
T
T
O
L
L

M. Raiymandhoo

GEOGRAPHICAL INFORMATION



POPULATION
232



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
161

DEMAND & CAPACITY

- PEAK LOAD (kW)
1523
- INSTALLED DIESEL GENERATOR SETS (kW)
73; 80; 105; 60
- PEAK LOAD TIME
16:29
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
254

GENERATION AND CONSUMPTION

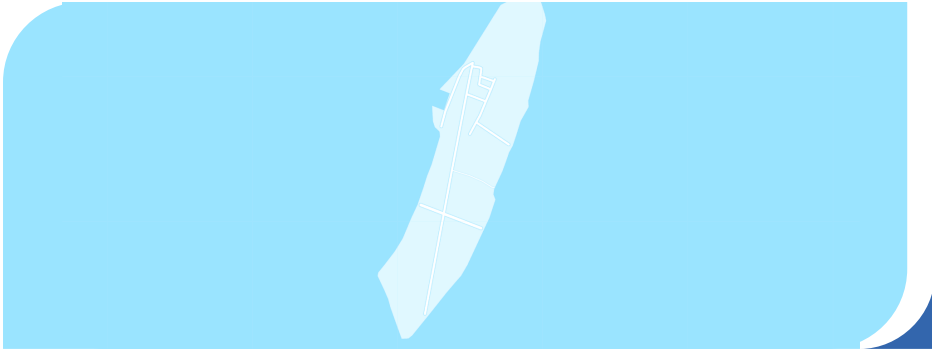
- ELECTRICITY PRODUCTION (kWh)
223,942
- DIESEL FUEL CONSUMPTION (Litres)
102,825
- LUBE OIL CONSUMPTION (Litres)
205
- TOTAL BILLED AMOUNT (kWh)
199,092

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2014
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
11%



M. Veyvah

GEOGRAPHICAL INFORMATION



POPULATION
317



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
220

DEMAND & CAPACITY

- PEAK LOAD (kW)
71
- INSTALLED DIESEL GENERATOR SETS (kW)
80; 80; 128; 58
- PEAK LOAD TIME
8:57
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
277

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
305,928
- DIESEL FUEL CONSUMPTION (Litres)
101,976
- LUBE OIL CONSUMPTION (Litres)
479
- TOTAL BILLED AMOUNT (kWh)
251,020

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1993
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
18%

Faafu ATOLL



POPULATION

4,119

TOTAL ISLANDS

5

CAPITAL ISLAND

NILANDHOO



F. Bilehdhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,357



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
783

DEMAND & CAPACITY

- PEAK LOAD (kW)
252
- INSTALLED DIESEL GENERATOR SETS (kW)
80; 112; 160; 250
- PEAK LOAD TIME
12:40
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
482

GENERATION AND CONSUMPTION

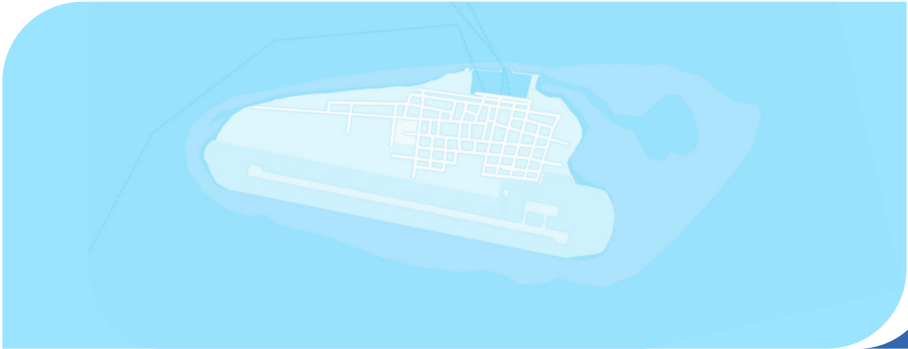
- ELECTRICITY PRODUCTION (kWh)
1,086,886
- DIESEL FUEL CONSUMPTION (Litres)
394,096
- LUBE OIL CONSUMPTION (Litres)
2,031
- TOTAL BILLED AMOUNT (kWh)
993,625

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1997
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
9%



F. Dharanboodhoo

GEOGRAPHICAL INFORMATION



POPULATION
586



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
288

DEMAND & CAPACITY

- PEAK LOAD (kW)
160
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 105; 135; 160
- PEAK LOAD TIME
14:37
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
480

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
400,034
- DIESEL FUEL CONSUMPTION (Litres)
147,496
- LUBE OIL CONSUMPTION (Litres)
1,133
- TOTAL BILLED AMOUNT (kWh)
351,987

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1984
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
12%



F. Feeali

GEOGRAPHICAL INFORMATION



POPULATION
1,286



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
771

DEMAND & CAPACITY

- PEAK LOAD (kW)
219
- INSTALLED DIESEL GENERATOR SETS (kW)
400; 200; 200
- PEAK LOAD TIME
12:35
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
640

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,070,141
- DIESEL FUEL CONSUMPTION (Litres)
407,632
- LUBE OIL CONSUMPTION (Litres)
2,166
- TOTAL BILLED AMOUNT (kWh)
967,696

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
10%



F. Magoodhoo

GEOGRAPHICAL INFORMATION



POPULATION
863



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
576

DEMAND & CAPACITY

- PEAK LOAD (kW)
181
- INSTALLED DIESEL GENERATOR SETS (kW)
105; 140; 200; 225
- PEAK LOAD TIME
12:10
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
536

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
799,378
- DIESEL FUEL CONSUMPTION (Litres)
284,765
- LUBE OIL CONSUMPTION (Litres)
1,419
- TOTAL BILLED AMOUNT (kWh)
751,940

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2007
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
6%



F. Nilandhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,172



ELECTRICITY PROVIDER
F. Nilandhoo Council

EMISSIONS

- CO2 EMISSION (tCO₂)
2,133

DEMAND & CAPACITY

- PEAK LOAD (kW)
730
- INSTALLED DIESEL GENERATOR SETS (kW)
313; 500; 500
- PEAK LOAD TIME
12:56
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1050

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
2,962,200
- DIESEL FUEL CONSUMPTION (Litres)
987,400
- LUBE OIL CONSUMPTION (Litres)
4,570
- TOTAL BILLED AMOUNT (kWh)
2,195,381

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2005
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
26%

Dhaalu ATOLL

ދުހަލު ޤިލްޔާދު

POPULATION

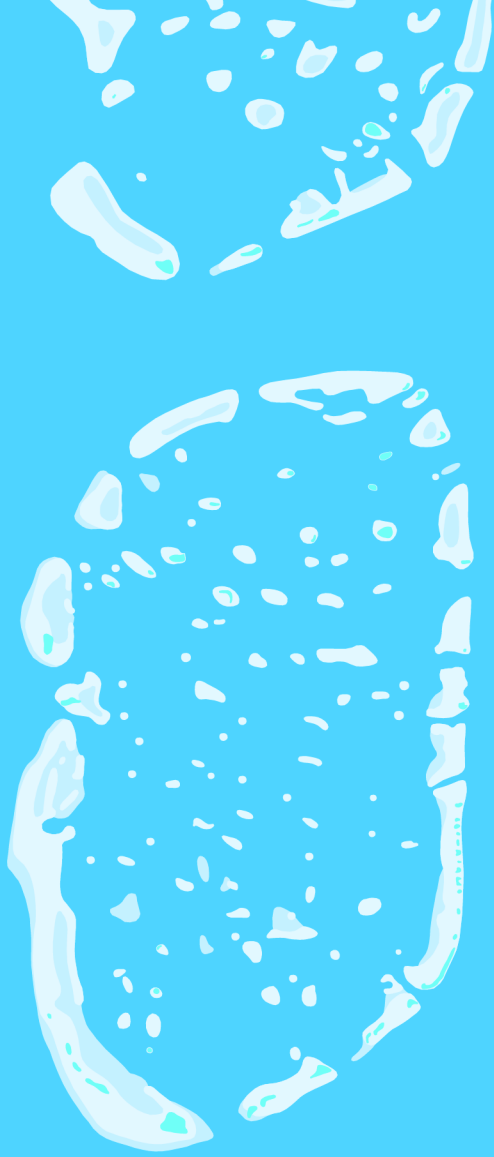
5,305

TOTAL ISLANDS

6

CAPITAL ISLAND

KUDAHUVADHOO





Dh. Bandidhoo

GEOGRAPHICAL INFORMATION



POPULATION
974



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
566

DEMAND & CAPACITY

- PEAK LOAD (kW)
189
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 200; 255
- PEAK LOAD TIME
12:50
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
524

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
786,707
- DIESEL FUEL CONSUMPTION (Litres)
254,116
- LUBE OIL CONSUMPTION (Litres)
1,560
- TOTAL BILLED AMOUNT (kWh)
751,690

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2010
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
4%



Dh. Hulhudheli

GEOGRAPHICAL INFORMATION



POPULATION
943



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
595

DEMAND & CAPACITY

- PEAK LOAD (kW)
182
- INSTALLED DIESEL GENERATOR SETS (kW)
188; 250; 313
- PEAK LOAD TIME
12:32
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
601

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
826,881
- DIESEL FUEL CONSUMPTION (Litres)
291,031
- LUBE OIL CONSUMPTION (Litres)
1,500
- TOTAL BILLED AMOUNT (kWh)
797,583

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2004
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
4%



Dh. Kudahuvadhoo

GEOGRAPHICAL INFORMATION



POPULATION
3,162



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
2,870

DEMAND & CAPACITY

- PEAK LOAD (kW)
966
- INSTALLED DIESEL GENERATOR SETS (kW)
810; 750; 750; 550; 400; 400
- PEAK LOAD TIME
12:33
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2928

GENERATION AND CONSUMPTION

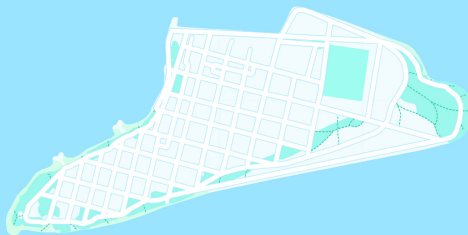
- ELECTRICITY PRODUCTION (kWh)
3,986,637
- DIESEL FUEL CONSUMPTION (Litres)
1,309,332
- LUBE OIL CONSUMPTION (Litres)
6,734
- TOTAL BILLED AMOUNT (kWh)
4,229,346

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
220
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
221,312
- SOLAR PV INSTALLED UTILITY (kW)
203
- SOLAR PV INSTALLED NET METERING(kW)
17

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2002
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



Dh. Maaenboodhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,004



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
529

DEMAND & CAPACITY

- PEAK LOAD (kW)
155
- INSTALLED DIESEL GENERATOR SETS (kW)
105; 165; 313; 248; 375
- PEAK LOAD TIME
13:02
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
965

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
734,953
- DIESEL FUEL CONSUMPTION (Litres)
254,931
- LUBE OIL CONSUMPTION (Litres)
1,631
- TOTAL BILLED AMOUNT (kWh)
706,417

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
4%



Dh. Meedhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,419



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,011

DEMAND & CAPACITY

- PEAK LOAD (kW)
348
- INSTALLED DIESEL GENERATOR SETS (kW)
156; 300; 188; 450
- PEAK LOAD TIME
12:22
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
875

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,403,963
- DIESEL FUEL CONSUMPTION (Litres)
448,453
- LUBE OIL CONSUMPTION (Litres)
1,955
- TOTAL BILLED AMOUNT (kWh)
1,332,622

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2007
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
5%



Dh. Rinbudhoo

GEOGRAPHICAL INFORMATION



POPULATION
417



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
316

DEMAND & CAPACITY

- PEAK LOAD (kW)
110
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 125; 160; 60
- PEAK LOAD TIME
11:30
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
436

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
439,180
- DIESEL FUEL CONSUMPTION (Litres)
153,393
- LUBE OIL CONSUMPTION (Litres)
821
- TOTAL BILLED AMOUNT (kWh)
407,426

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2004
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
7%

Thaa ATOLL



POPULATION

8,901

TOTAL ISLANDS

13

CAPITAL ISLAND

VEYMANDOO





Th. Buruni

GEOGRAPHICAL INFORMATION



POPULATION
605



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
321

DEMAND & CAPACITY

- PEAK LOAD (kW)
100
- INSTALLED DIESEL GENERATOR SETS (kW)
160; 150; 200
- PEAK LOAD TIME
12:42
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
408

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
446,307
- DIESEL FUEL CONSUMPTION (Litres)
148,769
- LUBE OIL CONSUMPTION (Litres)
803
- TOTAL BILLED AMOUNT (kWh)
501,525

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
100
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
79,858
- SOLAR PV INSTALLED UTILITY (kW)
100
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1989
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



Th. Dhiyamigili

GEOGRAPHICAL INFORMATION



POPULATION
904



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
487

DEMAND & CAPACITY

- PEAK LOAD (kW)
176
- INSTALLED DIESEL GENERATOR SETS (kW)
313; 188; 175
- PEAK LOAD TIME
13:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
541

GENERATION AND CONSUMPTION

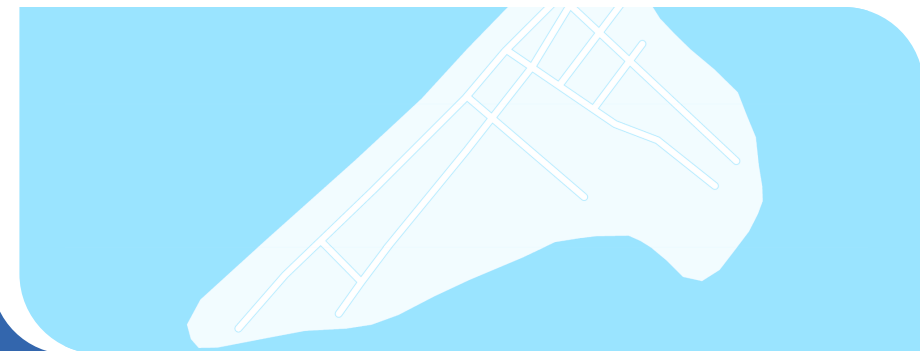
- ELECTRICITY PRODUCTION (kWh)
676,220
- DIESEL FUEL CONSUMPTION (Litres)
269,136
- LUBE OIL CONSUMPTION (Litres)
245,612
- TOTAL BILLED AMOUNT (kWh)
617,114

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
9%



Th. Gaadhiffushi

GEOGRAPHICAL INFORMATION



POPULATION
704



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
291

DEMAND & CAPACITY

- PEAK LOAD (kW)
68
- INSTALLED DIESEL GENERATOR SETS (kW)
175; 100; 140
- PEAK LOAD TIME
11:57
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
332

GENERATION AND CONSUMPTION

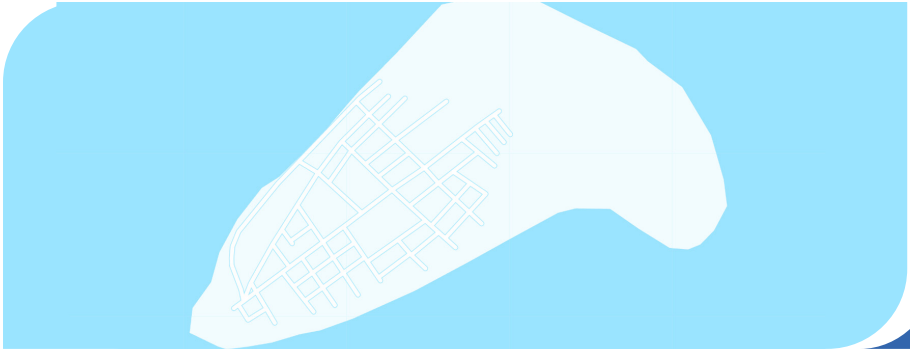
- ELECTRICITY PRODUCTION (kWh)
404,550
- DIESEL FUEL CONSUMPTION (Litres)
134,850
- LUBE OIL CONSUMPTION (Litres)
539
- TOTAL BILLED AMOUNT (kWh)
272,293

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2006
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
33%



Th. Guraidhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,089



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,611

DEMAND & CAPACITY

- PEAK LOAD (kW)
186
- INSTALLED DIESEL GENERATOR SETS (kW)
338; 450; 500; 750
- PEAK LOAD TIME
5:02
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1630

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
2,237,691
- DIESEL FUEL CONSUMPTION (Litres)
938,287
- LUBE OIL CONSUMPTION (Litres)
3,061
- TOTAL BILLED AMOUNT (kWh)
1,990,234

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2015
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
11%



Th. Hirilandhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,191



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
919

DEMAND & CAPACITY

- PEAK LOAD (kW)
271
- INSTALLED DIESEL GENERATOR SETS (kW)
313; 313; 200
- PEAK LOAD TIME
11:45
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
661

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,276,234
- DIESEL FUEL CONSUMPTION (Litres)
553,017
- LUBE OIL CONSUMPTION (Litres)
468,855
- TOTAL BILLED AMOUNT (kWh)
1,082,008

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2009
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
15%



Th. Kandoodhoo

GEOGRAPHICAL INFORMATION



POPULATION
669



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
382

DEMAND & CAPACITY

- PEAK LOAD (kW)
118
- INSTALLED DIESEL GENERATOR SETS (kW)
160; 160; 220
- PEAK LOAD TIME
11:25
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
432

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
530,742
- DIESEL FUEL CONSUMPTION (Litres)
176,914
- LUBE OIL CONSUMPTION (Litres)
849
- TOTAL BILLED AMOUNT (kWh)
485,253

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
492,502
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2017
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
9%



Th. Kinbidhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,448



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
536

DEMAND & CAPACITY

- PEAK LOAD (kW)
143
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 250; 175
- PEAK LOAD TIME
12:20
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
500

GENERATION AND CONSUMPTION

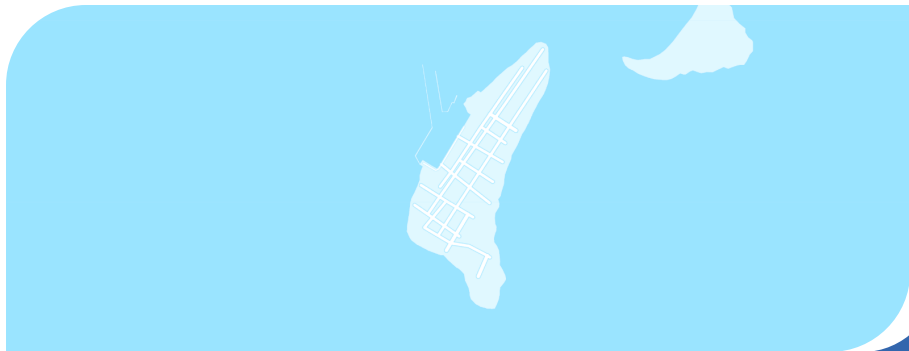
- ELECTRICITY PRODUCTION (kWh)
744,837
- DIESEL FUEL CONSUMPTION (Litres)
248,279
- LUBE OIL CONSUMPTION (Litres)
1,203
- TOTAL BILLED AMOUNT (kWh)
725,508

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
774,837
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2016
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
3%



Th. Madifushi

GEOGRAPHICAL INFORMATION



POPULATION
1,347



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
704

DEMAND & CAPACITY

- PEAK LOAD (kW)
224
- INSTALLED DIESEL GENERATOR SETS (kW)
188; 200; 313
- PEAK LOAD TIME
13:07
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
561

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
978,264
- DIESEL FUEL CONSUMPTION (Litres)
326,088
- LUBE OIL CONSUMPTION (Litres)
1,215
- TOTAL BILLED AMOUNT (kWh)
810,117

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2010
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
17%



Th. Omadhoo

GEOGRAPHICAL INFORMATION



POPULATION
788



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
393

DEMAND & CAPACITY

- PEAK LOAD (kW)
130
- INSTALLED DIESEL GENERATOR SETS (kW)
140; 160; 200
- PEAK LOAD TIME
13:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
400

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
545,773
- DIESEL FUEL CONSUMPTION (Litres)
172,620
- LUBE OIL CONSUMPTION (Litres)
830
- TOTAL BILLED AMOUNT (kWh)
451,212

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
17%



Th. Thimarafushi

GEOGRAPHICAL INFORMATION



POPULATION
2,586



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
1,327

DEMAND & CAPACITY

- PEAK LOAD (kW) **380**
- INSTALLED DIESEL GENERATOR SETS (kW) **312; 200; 750**
- PEAK LOAD TIME **14:20**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **1010**

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh) **1,843,243**
- DIESEL FUEL CONSUMPTION (Litres) **699,337**
- LUBE OIL CONSUMPTION (Litres) **3,699**
- TOTAL BILLED AMOUNT (kWh) **1,367,346**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **-**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **-**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **2006**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **26%**

Th. Vandhoo

GEOGRAPHICAL INFORMATION



POPULATION
397



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
351

DEMAND & CAPACITY

- PEAK LOAD (kW)
107
- INSTALLED DIESEL GENERATOR SETS (kW)
150; 135
- PEAK LOAD TIME
12:22
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
228

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
488,033
- DIESEL FUEL CONSUMPTION (Litres)
140,982
- LUBE OIL CONSUMPTION (Litres)
800
- TOTAL BILLED AMOUNT (kWh)
354,166

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1994
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
27%



Th. Veymandoo

GEOGRAPHICAL INFORMATION



POPULATION
1,321



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,120

DEMAND & CAPACITY

- PEAK LOAD (kW)
370
- INSTALLED DIESEL GENERATOR SETS (kW)
225; 403; 560
- PEAK LOAD TIME
12:37
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
950

GENERATION AND CONSUMPTION

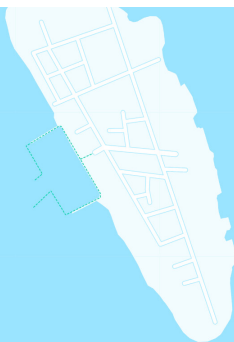
- ELECTRICITY PRODUCTION (kWh)
1,556,057
- DIESEL FUEL CONSUMPTION (Litres)
518,686
- LUBE OIL CONSUMPTION (Litres)
1,905
- TOTAL BILLED AMOUNT (kWh)
1,608,239

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2002
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



Th. Vilufushi

GEOGRAPHICAL INFORMATION



POPULATION
2,112



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,006

DEMAND & CAPACITY

- PEAK LOAD (kW)
290
- INSTALLED DIESEL GENERATOR SETS (kW)
315; 315; 315
- PEAK LOAD TIME
12:25
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
756

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,397,059
- DIESEL FUEL CONSUMPTION (Litres)
541,530
- LUBE OIL CONSUMPTION (Litres)
3,599
- TOTAL BILLED AMOUNT (kWh)
1,203,118

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2009
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
14%

Laamu

ATOLL



POPULATION

11,795

TOTAL ISLANDS

12

CAPITAL ISLAND

FONADHOO



L. Dhanbidhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,050



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO₂ EMISSION (tCO₂)
504

DEMAND & CAPACITY

- PEAK LOAD (kW)
165
- INSTALLED DIESEL GENERATOR SETS (kW)
138; 160; 200
- PEAK LOAD TIME
12:05
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
398

GENERATION AND CONSUMPTION

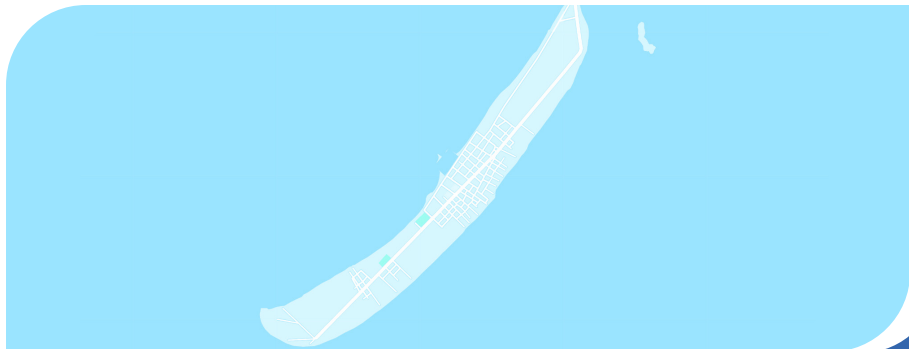
- ELECTRICITY PRODUCTION (kWh)
700,467
- DIESEL FUEL CONSUMPTION (Litres)
233,967
- LUBE OIL CONSUMPTION (Litres)
787
- TOTAL BILLED AMOUNT (kWh)
665,591

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2010
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
5%



L. Fonadhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,821



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
3,500

DEMAND & CAPACITY

- PEAK LOAD (kW)
992
- INSTALLED DIESEL GENERATOR SETS (kW)
360; 600; 1000
- PEAK LOAD TIME
13:20
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1568

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
4,861,524
- DIESEL FUEL CONSUMPTION (Litres)
1,563,310
- LUBE OIL CONSUMPTION (Litres)
3,954
- TOTAL BILLED AMOUNT (kWh)
4,123,142

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2006
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
15%

L. Gan (Mathimaradhoo)

GEOGRAPHICAL INFORMATION



POPULATION
3,860



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,601

DEMAND & CAPACITY

- PEAK LOAD (kW)
427
- INSTALLED DIESEL GENERATOR SETS (kW)
438; 1000; 625; 450; 750
- PEAK LOAD TIME
14:32
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2610

GENERATION AND CONSUMPTION

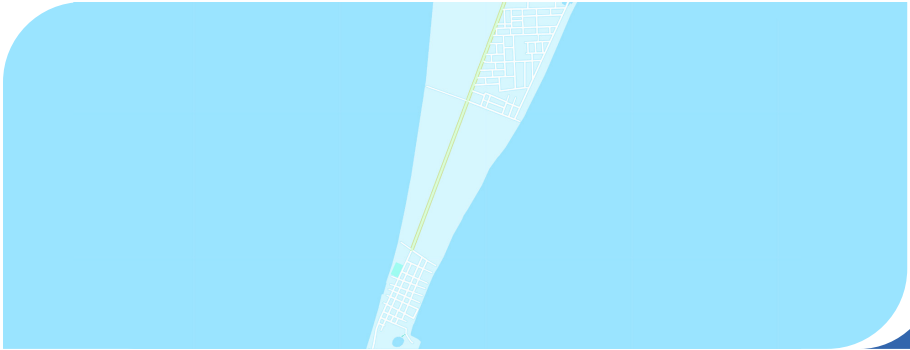
- ELECTRICITY PRODUCTION (kWh)
2,223,585
- DIESEL FUEL CONSUMPTION (Litres)
767,860
- LUBE OIL CONSUMPTION (Litres)
3,025
- TOTAL BILLED AMOUNT (kWh)
1,972,356

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
20
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
18,199
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
20

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2002
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
11%



L. Gan (Mukurimagu)

GEOGRAPHICAL INFORMATION



POPULATION



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
804

DEMAND & CAPACITY

- PEAK LOAD (kW)
267
- INSTALLED DIESEL GENERATOR SETS (kW)
250; 275; 275
- PEAK LOAD TIME
13:16
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
640

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,117,039
- DIESEL FUEL CONSUMPTION (Litres)
390,766
- LUBE OIL CONSUMPTION (Litres)
1,175
- TOTAL BILLED AMOUNT (kWh)
1,004,462

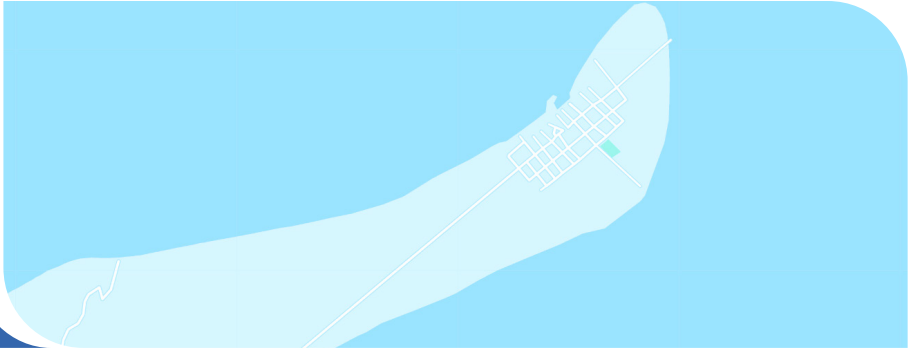
RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
10%

L

A
T
T
O
L
L

L. Isdhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,380



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
642

DEMAND & CAPACITY

- PEAK LOAD (kW)
235
- INSTALLED DIESEL GENERATOR SETS (kW)
325; 450; 200
- PEAK LOAD TIME
13:12
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
780

GENERATION AND CONSUMPTION

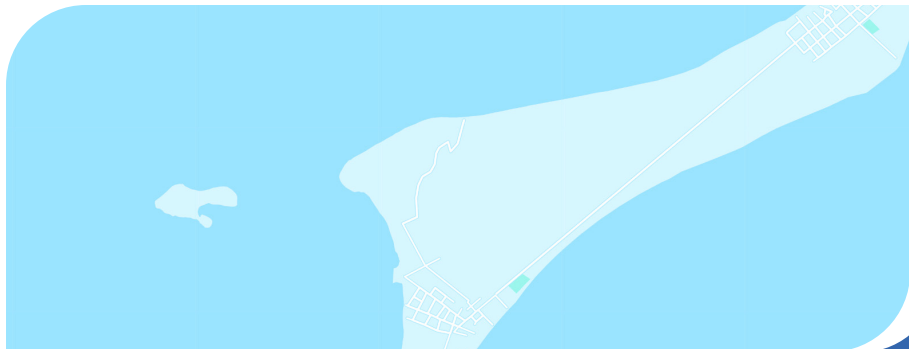
- ELECTRICITY PRODUCTION (kWh)
891,334
- DIESEL FUEL CONSUMPTION (Litres)
340,033
- LUBE OIL CONSUMPTION (Litres)
1,683
- TOTAL BILLED AMOUNT (kWh)
777,560

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2005
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
13%



L. Kalaidhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,037



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
487

DEMAND & CAPACITY

- PEAK LOAD (kW)
115
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 200; 125
- PEAK LOAD TIME
21:00
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
420

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
676,782
- DIESEL FUEL CONSUMPTION (Litres)
213,900
- LUBE OIL CONSUMPTION (Litres)
951
- TOTAL BILLED AMOUNT (kWh)
585,778

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2005
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
13%



L. Kunahandhoo

GEOGRAPHICAL INFORMATION



POPULATION
886



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
348

DEMAND & CAPACITY

- PEAK LOAD (kW)
0
- INSTALLED DIESEL GENERATOR SETS (kW)
187.5; 187.5
- PEAK LOAD TIME
-
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
300

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
483,272
- DIESEL FUEL CONSUMPTION (Litres)
322,110
- LUBE OIL CONSUMPTION (Litres)
878
- TOTAL BILLED AMOUNT (kWh)
517,932

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2000
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



L. Maabaidhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,126



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
921

DEMAND & CAPACITY

- PEAK LOAD (kW)
180
- INSTALLED DIESEL GENERATOR SETS (kW)
188; 313; 200
- PEAK LOAD TIME
12:37
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
561

GENERATION AND CONSUMPTION

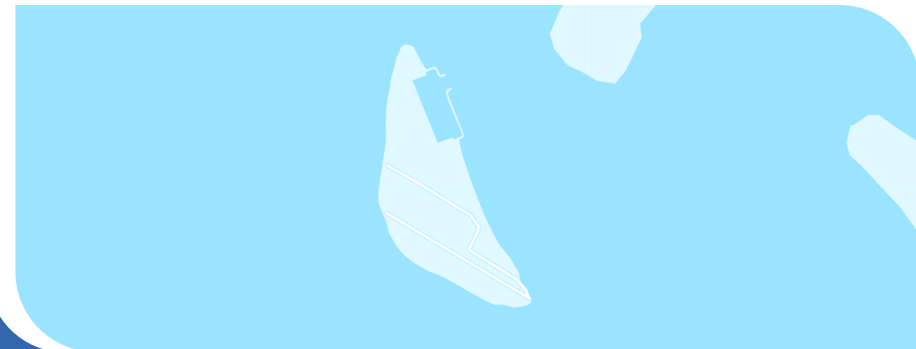
- ELECTRICITY PRODUCTION (kWh)
1,279,117
- DIESEL FUEL CONSUMPTION (Litres)
356,560
- LUBE OIL CONSUMPTION (Litres)
1,469
- TOTAL BILLED AMOUNT (kWh)
1,116,779

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2005
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
13%



L. Maamendhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,268



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,256

DEMAND & CAPACITY

- PEAK LOAD (kW)
235
- INSTALLED DIESEL GENERATOR SETS (kW)
260; 160; 180; 400
- PEAK LOAD TIME
12:19
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
800

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,744,800
- DIESEL FUEL CONSUMPTION (Litres)
581,600
- LUBE OIL CONSUMPTION (Litres)
1,903
- TOTAL BILLED AMOUNT (kWh)
1,254,394

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2001
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
28%



L. Maavah

GEOGRAPHICAL INFORMATION



POPULATION
2,033



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,312

DEMAND & CAPACITY

- PEAK LOAD (kW)
471
- INSTALLED DIESEL GENERATOR SETS (kW)
225; 313; 500
- PEAK LOAD TIME
9:42
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
830

GENERATION AND CONSUMPTION

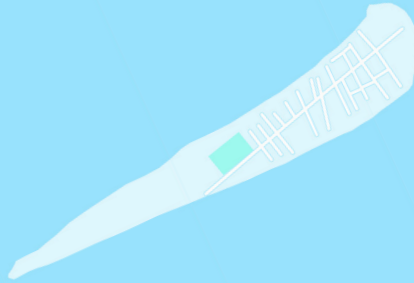
- ELECTRICITY PRODUCTION (kWh)
1,822,711
- DIESEL FUEL CONSUMPTION (Litres)
587,196
- LUBE OIL CONSUMPTION (Litres)
1,444
- TOTAL BILLED AMOUNT (kWh)
1,787,738

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
2
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
803
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
2

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2004
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
2%



L. Mundoo

GEOGRAPHICAL INFORMATION



POPULATION
295



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
163

DEMAND & CAPACITY

- PEAK LOAD (kW)
125
- INSTALLED DIESEL GENERATOR SETS (kW)
100; 119; 100
- PEAK LOAD TIME
12:59
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
255

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
225,824
- DIESEL FUEL CONSUMPTION (Litres)
135,481
- LUBE OIL CONSUMPTION (Litres)
1,066
- TOTAL BILLED AMOUNT (kWh)
199,803

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2006
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
12%

Gaafu Alifu ATOLL

ދާއިރާ
ފުލުހު

POPULATION

8,334

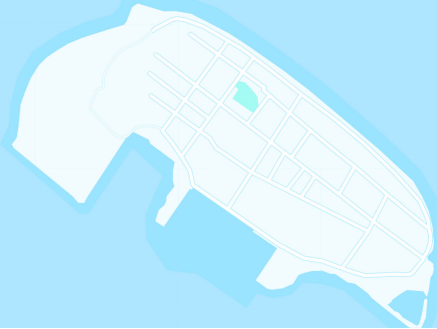
TOTAL ISLANDS

9

CAPITAL ISLAND

VILLIGILI





GA. Dhaandhoo

GEOGRAPHICAL INFORMATION



POPULATION
2,010



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
955

DEMAND & CAPACITY

- PEAK LOAD (kW)
285
- INSTALLED DIESEL GENERATOR SETS (kW)
388.75; 500
- PEAK LOAD TIME
14:20
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
711

GENERATION AND CONSUMPTION

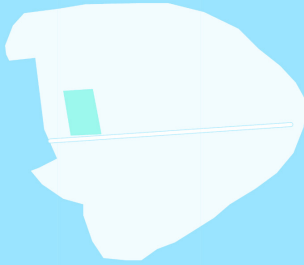
- ELECTRICITY PRODUCTION (kWh)
1,326,396
- DIESEL FUEL CONSUMPTION (Litres)
429,040
- LUBE OIL CONSUMPTION (Litres)
3,492
- TOTAL BILLED AMOUNT (kWh)
1,236,431

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2000
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
7%



GA. Dheevadhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,333



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
438

DEMAND & CAPACITY

- PEAK LOAD (kW)
220
- INSTALLED DIESEL GENERATOR SETS (kW)
357.5; 140; 225
- PEAK LOAD TIME
13:25
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
578

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
608,270
- DIESEL FUEL CONSUMPTION (Litres)
205,814
- LUBE OIL CONSUMPTION (Litres)
1,513
- TOTAL BILLED AMOUNT (kWh)
571,975

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1998
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
6%



GA. Gemanafushi

GEOGRAPHICAL INFORMATION



POPULATION
1,808



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
1,198

DEMAND & CAPACITY

- PEAK LOAD (kW)
344
- INSTALLED DIESEL GENERATOR SETS (kW)
500; 450; 750
- PEAK LOAD TIME
13:10
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1360

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,663,880
- DIESEL FUEL CONSUMPTION (Litres)
543,215
- LUBE OIL CONSUMPTION (Litres)
2,136
- TOTAL BILLED AMOUNT (kWh)
1,462,967

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
2
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
140
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
2

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2009
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
12%



GA. Kanduhulhudhoo

GEOGRAPHICAL INFORMATION



POPULATION
967



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
420

DEMAND & CAPACITY

- PEAK LOAD (kW) **126**
- INSTALLED DIESEL GENERATOR SETS (kW) **160; 180; 200**
- PEAK LOAD TIME **14:20**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **432**

GENERATION AND CONSUMPTION

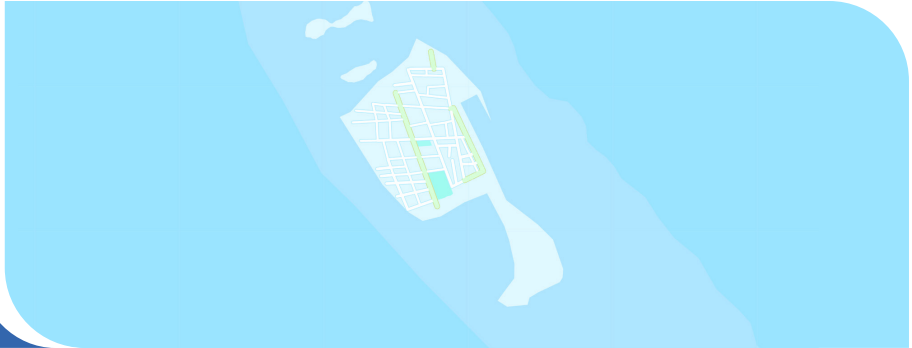
- ELECTRICITY PRODUCTION (kWh) **583,583**
- DIESEL FUEL CONSUMPTION (Litres) **218,140**
- LUBE OIL CONSUMPTION (Litres) **1,184**
- TOTAL BILLED AMOUNT (kWh) **538,299**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **-**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **-**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **2001**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **8%**



GA. Kolamaafushi

GEOGRAPHICAL INFORMATION



POPULATION
1,219



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
907

DEMAND & CAPACITY

- PEAK LOAD (kW)
223
- INSTALLED DIESEL GENERATOR SETS (kW)
244; 250; 356
- PEAK LOAD TIME
13:10
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
680

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,260,391
- DIESEL FUEL CONSUMPTION (Litres)
423,795
- LUBE OIL CONSUMPTION (Litres)
2,936
- TOTAL BILLED AMOUNT (kWh)
1,139,307

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1997
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
10%



GA. Kondey

GEOGRAPHICAL INFORMATION



POPULATION
559



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
260

DEMAND & CAPACITY

- PEAK LOAD (kW) **69**
- INSTALLED DIESEL GENERATOR SETS (kW) **125; 100; 100**
- PEAK LOAD TIME **13:00**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **260**

GENERATION AND CONSUMPTION

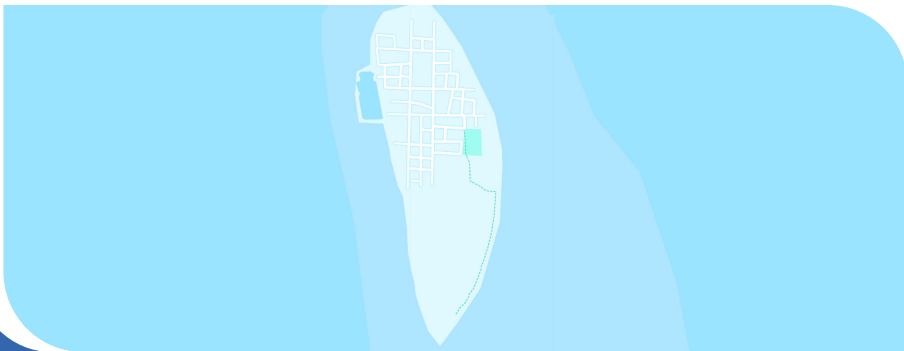
- ELECTRICITY PRODUCTION (kWh) **360,892**
- DIESEL FUEL CONSUMPTION (Litres) **134,845**
- LUBE OIL CONSUMPTION (Litres) **1,096**
- TOTAL BILLED AMOUNT (kWh) **323,051**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **-**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **-**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **2001**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **10%**



GA. Maamendhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,530



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
900

DEMAND & CAPACITY

- PEAK LOAD (kW)
233
- INSTALLED DIESEL GENERATOR SETS (kW)
250; 200; 312.5
- PEAK LOAD TIME
11:35
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
610

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,250,284
- DIESEL FUEL CONSUMPTION (Litres)
433,729
- LUBE OIL CONSUMPTION (Litres)
1,959
- TOTAL BILLED AMOUNT (kWh)
1,119,034

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2000
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
10%



GA. Nilandhoo

GEOGRAPHICAL INFORMATION



POPULATION
899



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
554

DEMAND & CAPACITY

- PEAK LOAD (kW) **177**
- INSTALLED DIESEL GENERATOR SETS (kW) **250; 125**
- PEAK LOAD TIME **13:20**
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW) **300**

GENERATION AND CONSUMPTION

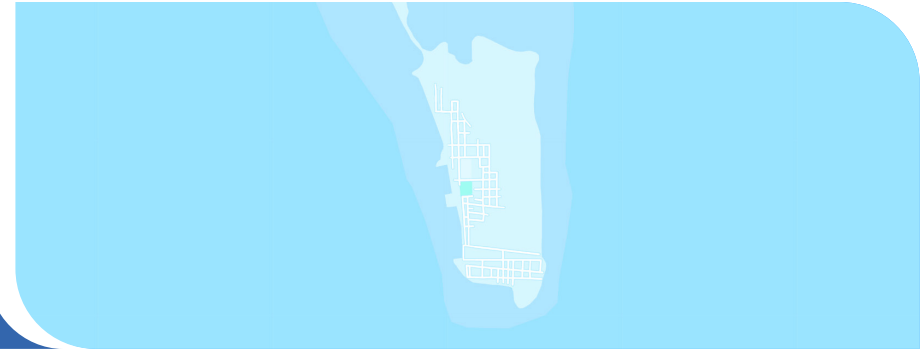
- ELECTRICITY PRODUCTION (kWh) **769,157**
- DIESEL FUEL CONSUMPTION (Litres) **266,420**
- LUBE OIL CONSUMPTION (Litres) **2,761**
- TOTAL BILLED AMOUNT (kWh) **669,042**

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW) **-**
- TOTAL PRODUCTION FROM SOLAR PV (kWh) **-**
- SOLAR PV INSTALLED UTILITY (kW) **-**
- SOLAR PV INSTALLED NET METERING(kW) **-**

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR **-**
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS **13%**



GA. Villingili

GEOGRAPHICAL INFORMATION



POPULATION
3,654



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
3,626

DEMAND & CAPACITY

- PEAK LOAD (kW)
1036
- INSTALLED DIESEL GENERATOR SETS (kW)
1000; 687; 1110
- PEAK LOAD TIME
13:45
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2238

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
5,036,531
- DIESEL FUEL CONSUMPTION (Litres)
1,351,010
- LUBE OIL CONSUMPTION (Litres)
8,240
- TOTAL BILLED AMOUNT (kWh)
4,503,007

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
300
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
351,909
- SOLAR PV INSTALLED UTILITY (kW)
300
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1995
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
11%

Gaafu Dhaalu

ATOLL



POPULATION

11,587

TOTAL ISLANDS

9

CAPITAL ISLAND

THINADHOO





GDh. Faresmaathodaa

GEOGRAPHICAL INFORMATION



POPULATION
1,792



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
887

DEMAND & CAPACITY

- PEAK LOAD (kW)
249
- INSTALLED DIESEL GENERATOR SETS (kW)
188; 225; 313; 500
- PEAK LOAD TIME
11:25
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
981

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,231,883
- DIESEL FUEL CONSUMPTION (Litres)
565,529
- LUBE OIL CONSUMPTION (Litres)
1,914
- TOTAL BILLED AMOUNT (kWh)
1,143,281

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2000
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
7%

GDh. Fiyoaree

GEOGRAPHICAL INFORMATION



POPULATION
1,510



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
602

DEMAND & CAPACITY

- PEAK LOAD (kW)
208
- INSTALLED DIESEL GENERATOR SETS (kW)
400; 180; 60; 75
- PEAK LOAD TIME
16:07
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
572

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
836,581
- DIESEL FUEL CONSUMPTION (Litres)
259,361
- LUBE OIL CONSUMPTION (Litres)
1,301
- TOTAL BILLED AMOUNT (kWh)
678,158

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1993
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
19%



GDh. Gahdhoo

GEOGRAPHICAL INFORMATION



POPULATION
3,064



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
1,534

DEMAND & CAPACITY

- PEAK LOAD (kW)
399
- INSTALLED DIESEL GENERATOR SETS (kW)
313; 375; 625
- PEAK LOAD TIME
-
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1050

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
2,130,066
- DIESEL FUEL CONSUMPTION (Litres)
716,704
- LUBE OIL CONSUMPTION (Litres)
2,462
- TOTAL BILLED AMOUNT (kWh)
1,989,948

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1994
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
7%

GDh. Hoadehdhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,312



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
597

DEMAND & CAPACITY

- PEAK LOAD (kW)
203
- INSTALLED DIESEL GENERATOR SETS (kW)
250; 160; 109; 60; 160
- PEAK LOAD TIME
14:55
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
591

GENERATION AND CONSUMPTION

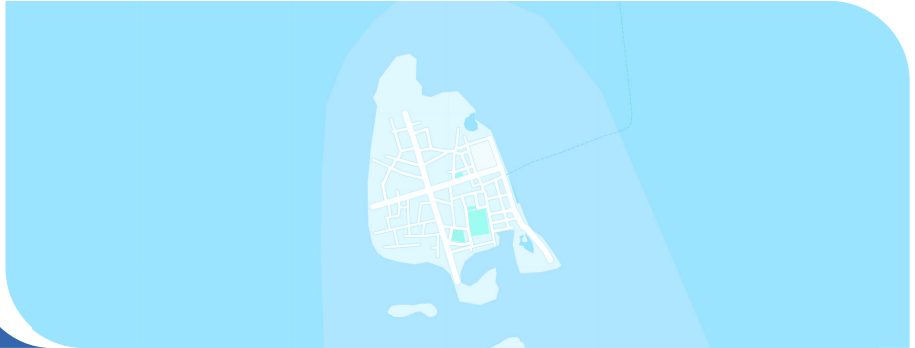
- ELECTRICITY PRODUCTION (kWh)
828,968
- DIESEL FUEL CONSUMPTION (Litres)
401,398
- LUBE OIL CONSUMPTION (Litres)
1,547
- TOTAL BILLED AMOUNT (kWh)
892,084

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



GDh. Madaveli

GEOGRAPHICAL INFORMATION



POPULATION
1,976



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
915

DEMAND & CAPACITY

- PEAK LOAD (kW)
287
- INSTALLED DIESEL GENERATOR SETS (kW)
180; 200; 225; 312
- PEAK LOAD TIME
14:07
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
734

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
1,271,430
- DIESEL FUEL CONSUMPTION (Litres)
472,930
- LUBE OIL CONSUMPTION (Litres)
2,576
- TOTAL BILLED AMOUNT (kWh)
1,323,012

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
-



GDh. Nadella

GEOGRAPHICAL INFORMATION



POPULATION
1,122



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
433

DEMAND & CAPACITY

- PEAK LOAD (kW)
123
- INSTALLED DIESEL GENERATOR SETS (kW)
225; 250; 250
- PEAK LOAD TIME
18:17
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
580

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
601,155
- DIESEL FUEL CONSUMPTION (Litres)
191,790
- LUBE OIL CONSUMPTION (Litres)
894
- TOTAL BILLED AMOUNT (kWh)
563,362

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2000
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
6%



GDh. Rathafandhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,368



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
463

DEMAND & CAPACITY

- PEAK LOAD (kW)
156
- INSTALLED DIESEL GENERATOR SETS (kW)
100; 150; 200; 200
- PEAK LOAD TIME
12:35
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
520

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
643,426
- DIESEL FUEL CONSUMPTION (Litres)
195,641
- LUBE OIL CONSUMPTION (Litres)
999
- TOTAL BILLED AMOUNT (kWh)
594,054

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
-
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
8%



GDh. Thinadhoo

GEOGRAPHICAL INFORMATION



POPULATION
7,487



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
6,262

DEMAND & CAPACITY

- PEAK LOAD (kW)
1480
- INSTALLED DIESEL GENERATOR SETS (kW)
1250; 1250; 1250; 1000
- PEAK LOAD TIME
9:17
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
3800

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
8,697,526
- DIESEL FUEL CONSUMPTION (Litres)
2,679,558
- LUBE OIL CONSUMPTION (Litres)
10,518
- TOTAL BILLED AMOUNT (kWh)
7,925,858

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
3,063
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1985
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
9%



GDh. Vaadhoo

GEOGRAPHICAL INFORMATION



POPULATION
1,465



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
582

DEMAND & CAPACITY

- PEAK LOAD (kW)
74
- INSTALLED DIESEL GENERATOR SETS (kW)
200; 125; 225
- PEAK LOAD TIME
10:00
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
440

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
807,705
- DIESEL FUEL CONSUMPTION (Litres)
313,177
- LUBE OIL CONSUMPTION (Litres)
989
- TOTAL BILLED AMOUNT (kWh)
798,622

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
2001
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
1%

Gnaviyani

ATOLL



POPULATION

14,380

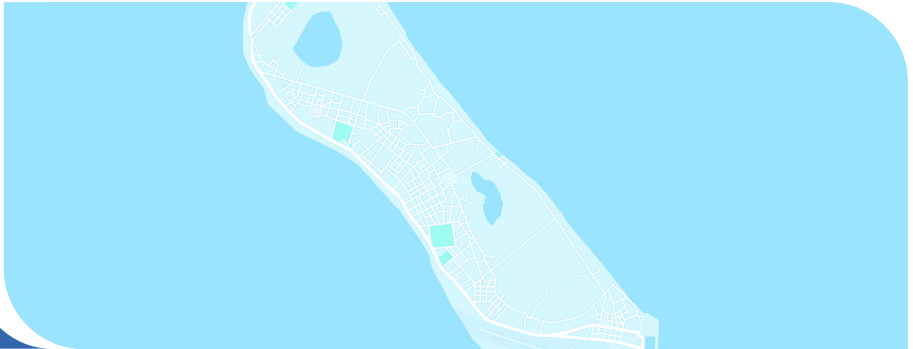
TOTAL ISLANDS

1

CAPITAL ISLAND

FUVAHMULAH





Gn. Fuvahmulah

GEOGRAPHICAL INFORMATION



POPULATION
12,901



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
9,747

DEMAND & CAPACITY

- PEAK LOAD (kW)
2450
- INSTALLED DIESEL GENERATOR SETS (kW)
750; 1000; 1250; 1250; 1500
- PEAK LOAD TIME
12:30
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
4600

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
13,537,181
- DIESEL FUEL CONSUMPTION (Litres)
3,748,600
- LUBE OIL CONSUMPTION (Litres)
13,136
- TOTAL BILLED AMOUNT (kWh)
11,573,270

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
-
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1987
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
15%

Seenu ATOLL



POPULATION

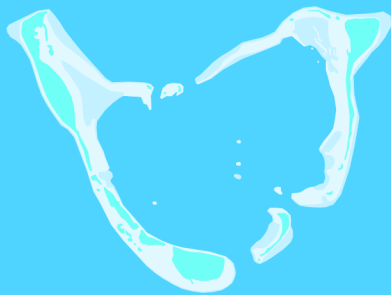
33,694

TOTAL ISLANDS

6

CAPITAL ISLAND

ADDU CITY





S.Hithadhoo, S.Maradhoo, S.MaradhooFeydhoo, S.Feydhoo, S.Gan

GEOGRAPHICAL INFORMATION



POPULATION
27,218



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

● CO2 EMISSION (tCO₂)
26,101

DEMAND & CAPACITY

- PEAK LOAD (kW)
6820
- INSTALLED DIESEL GENERATOR SETS (kW)
937.5; 937.5; 937.5; 1250; 1250; 1000; 1250; 1250; 1250; 1250; 1500; 2500; 2500
- PEAK LOAD TIME
14:35
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
14250

GENERATION AND CONSUMPTION

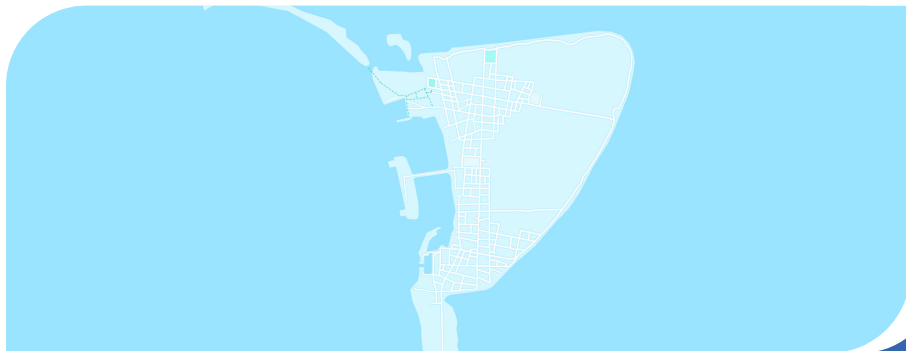
- ELECTRICITY PRODUCTION (kWh)
36,250,874
- DIESEL FUEL CONSUMPTION (Litres)
10,608,110
- LUBE OIL CONSUMPTION (Litres)
68,552
- TOTAL BILLED AMOUNT (kWh)
32,937,956

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
1,601
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
1,168,000
- SOLAR PV INSTALLED UTILITY (kW)
1,601
- SOLAR PV INSTALLED NET METERING(kW)
-

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1997
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
9%



S.Hulhudhoo, S.Meedhoo

GEOGRAPHICAL INFORMATION



POPULATION
6,658



ELECTRICITY PROVIDER
FENAKA

EMISSIONS

- CO2 EMISSION (tCO₂)
3,144

DEMAND & CAPACITY

- PEAK LOAD (kW)
835
- INSTALLED DIESEL GENERATOR SETS (kW)
165; 165; 165; 500; 500
- PEAK LOAD TIME
12:35
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1196

GENERATION AND CONSUMPTION

- ELECTRICITY PRODUCTION (kWh)
4,367,175
- DIESEL FUEL CONSUMPTION (Litres)
1,362,347
- LUBE OIL CONSUMPTION (Litres)
6,150
- TOTAL BILLED AMOUNT (kWh)
4,124,085

RENEWABLE ENERGY

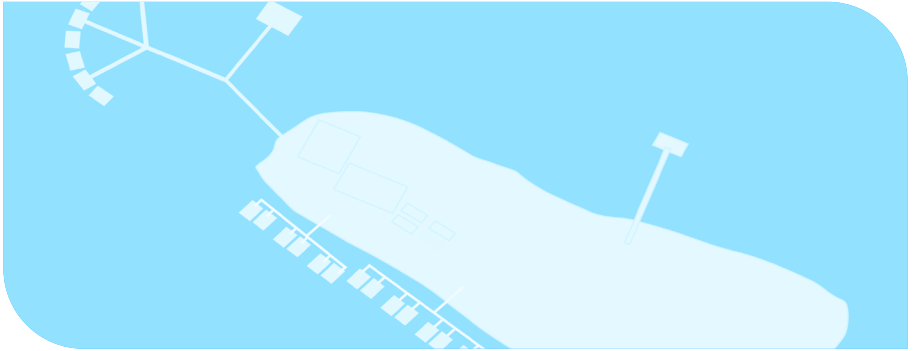
- TOTAL SOLAR PV CAPACITY (kW)
17
- TOTAL PRODUCTION FROM SOLAR PV (kWh)
25,067
- SOLAR PV INSTALLED UTILITY (kW)
-
- SOLAR PV INSTALLED NET METERING(kW)
17

DISTRIBUTION NETWORK

- ELECTRICITY CABLE INSTALLED YEAR
1996
- ESTIMATED SELF CONSUMPTION & DISTRIBUTION LOSS
6%



RESORTS



Mirihi Island Resort

GEOGRAPHICAL INFORMATION

ISLAND
Adh Mirihi



YEAR OPENED
2003



CURRENT BED CAPACITY
38

DEMAND & CAPACITY

- MAX PEAK (kW)
430
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,200
- MAX PEAK LOAD TIME
11:00 to 23:00

GENERATION AND CONSUMPTION

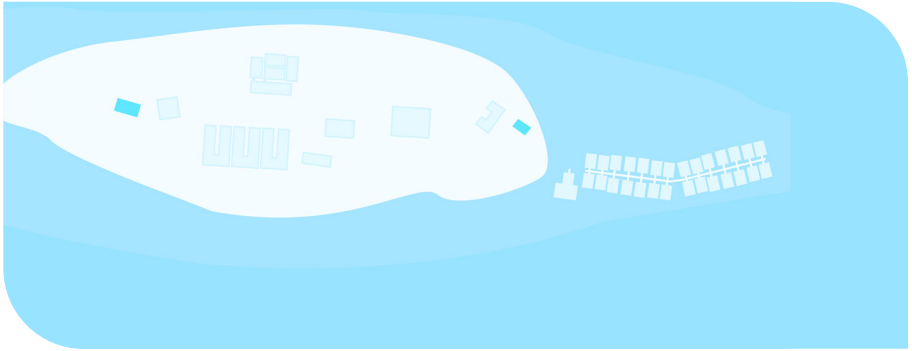
- LUBE OIL CONSUMPTION (Litres)
4,350
- DIESEL FUEL CONSUMPTION (Litres)
1,459,800
- ELECTRICITY PRODUCTION (kW)
4,963,320

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
3,574



Vilamendhoo Island Resort and Spa

GEOGRAPHICAL INFORMATION

ISLAND
Adh Vilamendhoo



YEAR OPENED
2010



CURRENT BED CAPACITY
194

DEMAND & CAPACITY

- MAX PEAK (kW)
2,130
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
3,200
- MAX PEAK LOAD TIME
0:00 to 6:00

GENERATION AND CONSUMPTION

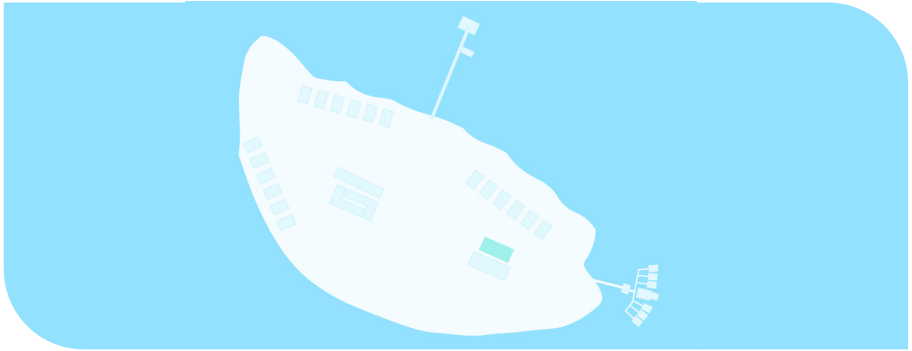
- LUBE OIL CONSUMPTION (Litres)
4,480
- DIESEL FUEL CONSUMPTION (Litres)
1,916,145
- ELECTRICITY PRODUCTION (kW)
6,863,896

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
4,942



Anantara Maldives

GEOGRAPHICAL INFORMATION

ISLAND
K Dhigufinolhu



YEAR OPENED
2006



CURRENT BED CAPACITY
402

DEMAND & CAPACITY

- MAX PEAK (kW)
1,850
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
4,423
- MAX PEAK LOAD TIME
11:00 to 23:00

GENERATION AND CONSUMPTION

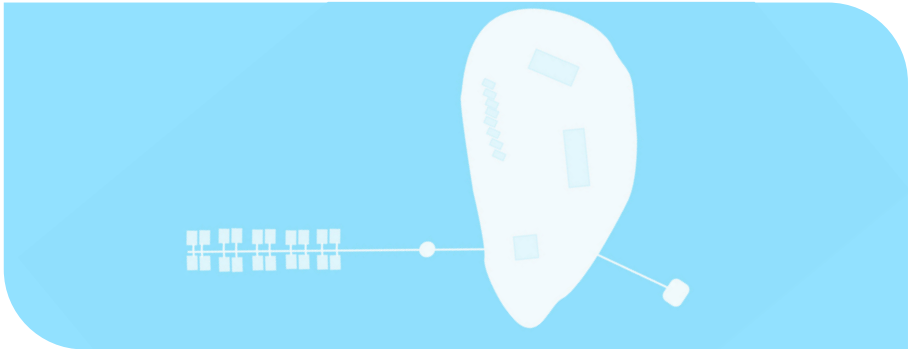
- LUBE OIL CONSUMPTION (Litres)
10,907
- DIESEL FUEL CONSUMPTION (Litres)
582,597
- ELECTRICITY PRODUCTION (kW)
1,747,792

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
1,258



Angaga Island Resort & Spa

GEOGRAPHICAL INFORMATION

ISLAND
Adh Angaga



YEAR OPENED
1989



CURRENT BED CAPACITY
180

DEMAND & CAPACITY

- MAX PEAK (kW)
17,700
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2,120
- MAX PEAK LOAD TIME
11:00 to 23:00

GENERATION AND CONSUMPTION

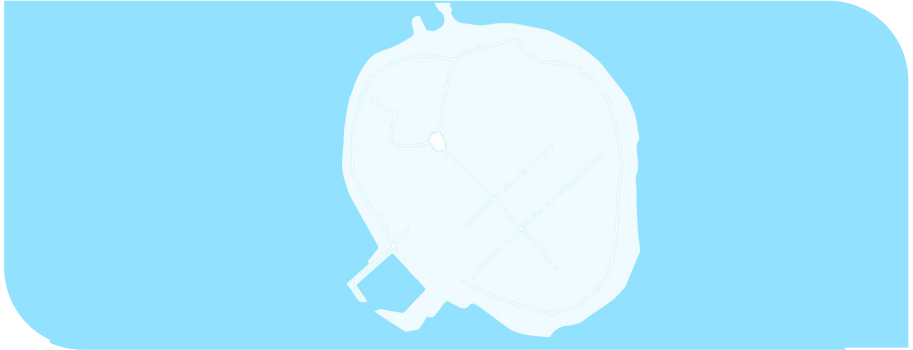
- LUBE OIL CONSUMPTION (Litres)
1,440
- DIESEL FUEL CONSUMPTION (Litres)
2,400
- ELECTRICITY PRODUCTION (kW)
8,160

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
6



Bandos Maldives

GEOGRAPHICAL INFORMATION

ISLAND
K Bandos



YEAR OPENED
1972



CURRENT BED CAPACITY
430

DEMAND & CAPACITY

- MAX PEAK (kW)
1,274
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2,400
- MAX PEAK LOAD TIME
16:00

GENERATION AND CONSUMPTION

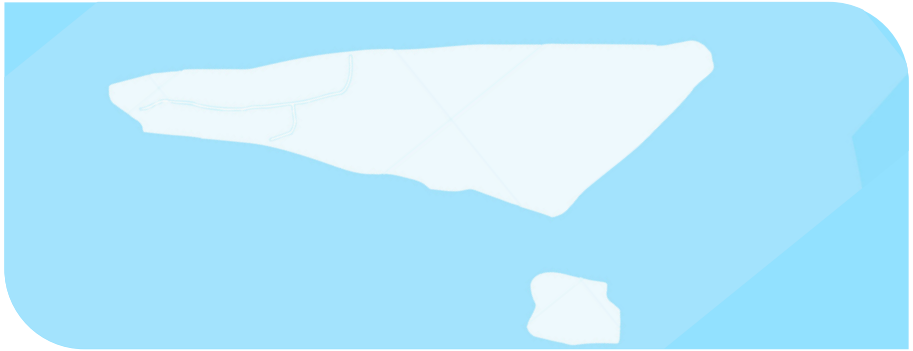
- LUBE OIL CONSUMPTION (Litres)
8,000
- DIESEL FUEL CONSUMPTION (Litres)
1,658,389
- ELECTRICITY PRODUCTION (kW)
5,643,460

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
4,063



ClubMed Kanifinolhu

GEOGRAPHICAL INFORMATION

ISLAND
K Kanifinolhu



YEAR OPENED
2005



CURRENT BED CAPACITY
274

DEMAND & CAPACITY

- MAX PEAK (kW)
35,898
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
3,184
- MAX PEAK LOAD TIME
0:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
13,050
- DIESEL FUEL CONSUMPTION (Litres)
2,394,387
- ELECTRICITY PRODUCTION (kW)
8,140,915

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
5,861



Coco Boduhithi

GEOGRAPHICAL INFORMATION

ISLAND
K Boduhithi



YEAR OPENED
2006



CURRENT BED CAPACITY
100

DEMAND & CAPACITY

- MAX PEAK (kW)
1,200
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,600
- MAX PEAK LOAD TIME
9:00-13:00 / 16:00-22:00

GENERATION AND CONSUMPTION

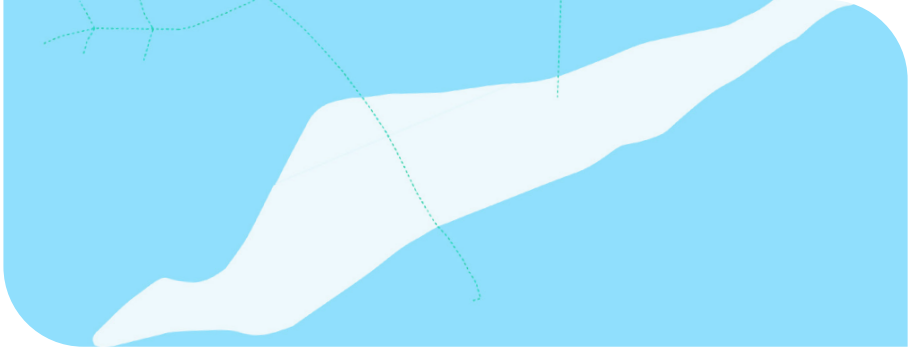
- LUBE OIL CONSUMPTION (Litres)
4,520
- DIESEL FUEL CONSUMPTION (Litres)
1,875,547
- ELECTRICITY PRODUCTION (kW)
6,828,890

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
4,917



Como Cocoal Island

GEOGRAPHICAL INFORMATION

ISLAND
K. Makunufushi



YEAR OPENED
2002



CURRENT BED CAPACITY
70

DEMAND & CAPACITY

- MAX PEAK (kW)
625
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,200
- MAX PEAK LOAD TIME
10:00 to 15:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
2,385
- DIESEL FUEL CONSUMPTION (Litres)
750,103
- ELECTRICITY PRODUCTION (kW)
2,373,500

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
1,709



Como Maalifushi

GEOGRAPHICAL INFORMATION

ISLAND
T. Maalifushi



YEAR OPENED
2014



CURRENT BED CAPACITY
152

DEMAND & CAPACITY

- MAX PEAK (kW)
850
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2,528
- MAX PEAK LOAD TIME
10:00 to 15:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
5,554
- DIESEL FUEL CONSUMPTION (Litres)
1,626,553
- ELECTRICITY PRODUCTION (kW)
5,447,393

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
350
- TOTAL GENERATION FROM SOLAR PV (kWh)
400,298

EMISSIONS

- CO₂ EMISSION (tCO₂)
3,922



Embudu Village

GEOGRAPHICAL INFORMATION

ISLAND
K Embudu



YEAR OPENED
1979



CURRENT BED CAPACITY
236

DEMAND & CAPACITY

- MAX PEAK (kW)
360
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,440
- MAX PEAK LOAD TIME
0:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
2,375
- DIESEL FUEL CONSUMPTION (Litres)
480,810
- ELECTRICITY PRODUCTION (kW)
1,799,713

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
60
- TOTAL GENERATION FROM SOLAR PV (kWh)
77,370

EMISSIONS

- CO₂ EMISSION (tCO₂)
1,296



Fun Island Resort & Spa

GEOGRAPHICAL INFORMATION

ISLAND
K Bodufinolhu



YEAR OPENED
1989



CURRENT BED CAPACITY
150

DEMAND & CAPACITY

- MAX PEAK (kW)
308
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,105
- MAX PEAK LOAD TIME
12:00-14:30 / 19:30-20:30

GENERATION AND CONSUMPTION

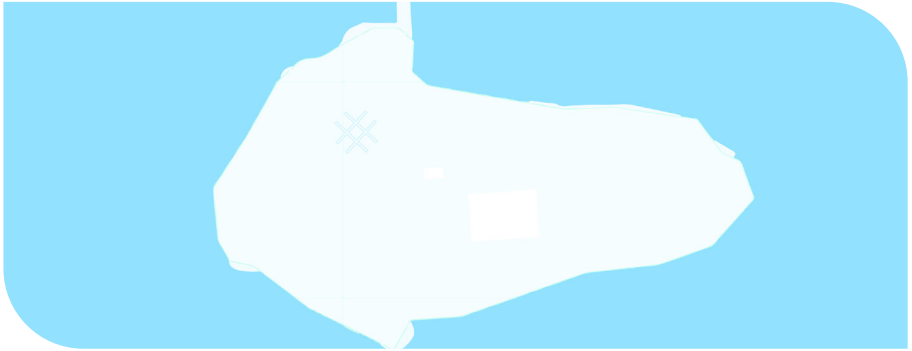
- LUBE OIL CONSUMPTION (Litres)
1,400
- DIESEL FUEL CONSUMPTION (Litres)
654,694
- ELECTRICITY PRODUCTION (kW)
2,225,961

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
1,603



Adaran Select Hudhuranfushi

GEOGRAPHICAL INFORMATION

ISLAND
K Lhohifushi



YEAR OPENED
2006



CURRENT BED CAPACITY
205

DEMAND & CAPACITY

- MAX PEAK (kW)
1,000
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2,608
- MAX PEAK LOAD TIME
12:00-14:30 / 19:30-20:30

GENERATION AND CONSUMPTION

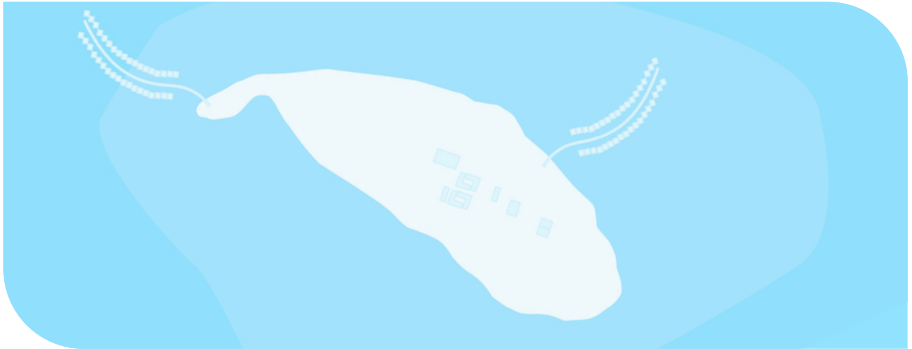
- LUBE OIL CONSUMPTION (Litres)
6,540
- DIESEL FUEL CONSUMPTION (Litres)
1,633,553
- ELECTRICITY PRODUCTION (kW)
5,354,569

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
3,855



The Sun Siyam Irufushi

GEOGRAPHICAL INFORMATION

ISLAND
N Medhufushi



YEAR OPENED
2008



CURRENT BED CAPACITY
448

DEMAND & CAPACITY

- MAX PEAK (kW)
1,850
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
4,828
- MAX PEAK LOAD TIME
10:30-15:00 / 17:00-22:00

GENERATION AND CONSUMPTION

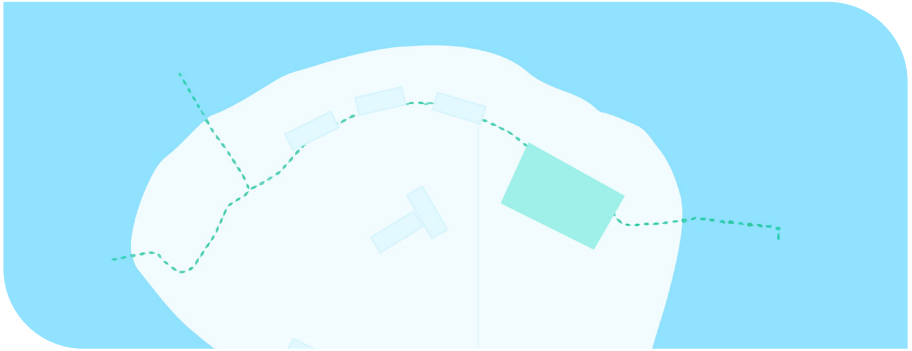
- LUBE OIL CONSUMPTION (Litres)
8,298
- DIESEL FUEL CONSUMPTION (Litres)
1,726,059
- ELECTRICITY PRODUCTION (kW)
5,041,574

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
3,630



Biyaadhoo Island Resort

GEOGRAPHICAL INFORMATION

ISLAND
K Biyaadhoo



YEAR OPENED
1982



CURRENT BED CAPACITY
192

DEMAND & CAPACITY

- MAX PEAK (kW)
296
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,250
- MAX PEAK LOAD TIME
10:30-15:00 / 17:00-22:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
3,285
- DIESEL FUEL CONSUMPTION (Litres)
506,577
- ELECTRICITY PRODUCTION (kW)
1,335,344

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
961



Holiday Inn Resort Kandooma Maldives

GEOGRAPHICAL INFORMATION

ISLAND
K Kandoomafushi



YEAR OPENED
2008



CURRENT BED CAPACITY
320

DEMAND & CAPACITY

- MAX PEAK (kW)
1,045
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,764
- MAX PEAK LOAD TIME
12:00

GENERATION AND CONSUMPTION

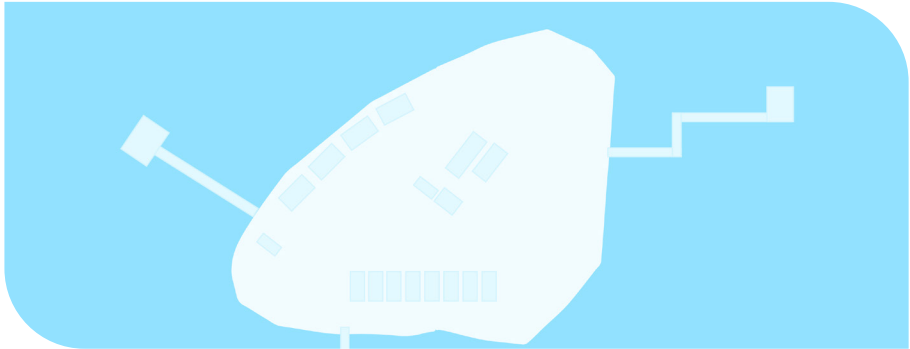
- LUBE OIL CONSUMPTION (Litres)
10,800
- DIESEL FUEL CONSUMPTION (Litres)
1,586,388
- ELECTRICITY PRODUCTION (kW)
6,013,531

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
4,330



Kandolhu Island Maldives

GEOGRAPHICAL INFORMATION

ISLAND
N Himandhoo



YEAR OPENED
2014



CURRENT BED CAPACITY
60

DEMAND & CAPACITY

- MAX PEAK (kW)
77,000
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,480
- MAX PEAK LOAD TIME
7:30-10:30 / 12:00-22:00

GENERATION AND CONSUMPTION

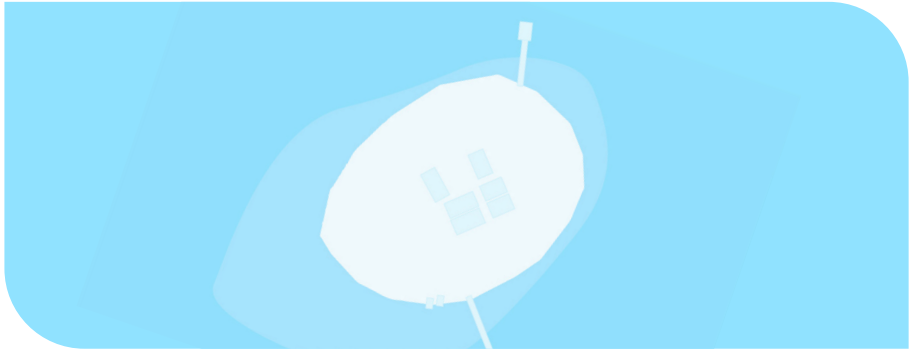
- LUBE OIL CONSUMPTION (Litres)
2,699
- DIESEL FUEL CONSUMPTION (Litres)
632,023
- ELECTRICITY PRODUCTION (kW)
1,894,495

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
1,364



Outrigger Konotta Maldives Resort

GEOGRAPHICAL INFORMATION

ISLAND
Gdh Konotta



YEAR OPENED
2015



CURRENT BED CAPACITY
110

DEMAND & CAPACITY

- MAX PEAK (kW)
758
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2,560
- MAX PEAK LOAD TIME
12:00

GENERATION AND CONSUMPTION

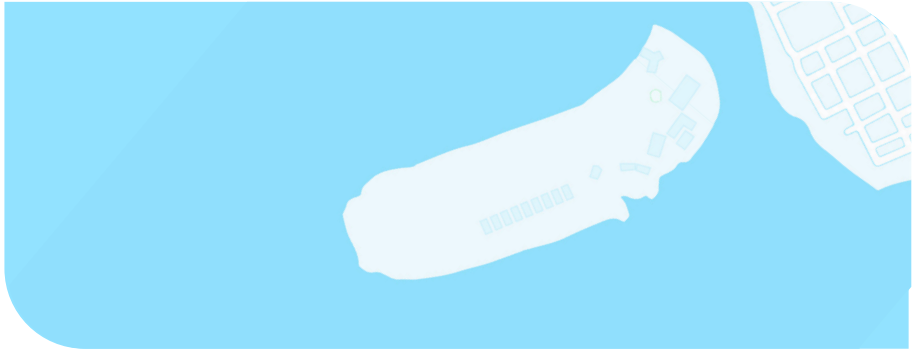
- LUBE OIL CONSUMPTION (Litres)
4,061
- DIESEL FUEL CONSUMPTION (Litres)
1,210,030
- ELECTRICITY PRODUCTION (kW)
4,321,282

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
3,111



Fourseasons Resorts Maldives at Kuda Huraa

GEOGRAPHICAL INFORMATION

ISLAND
K Kuda Huraa



YEAR OPENED
1998



CURRENT BED CAPACITY
96

DEMAND & CAPACITY

- MAX PEAK (kW)
1,535
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2,680
- MAX PEAK LOAD TIME
11:00 to 16:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
7,200
- DIESEL FUEL CONSUMPTION (Litres)
2,351,976
- ELECTRICITY PRODUCTION (kW)
8,481,178

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
6,106



Kuredu Island Resort & Spa

GEOGRAPHICAL INFORMATION

ISLAND
Lh Kuredhoo



YEAR OPENED
1988



CURRENT BED CAPACITY
770

DEMAND & CAPACITY

- MAX PEAK (kW)
2,332
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
5,000
- MAX PEAK LOAD TIME
15:00

GENERATION AND CONSUMPTION

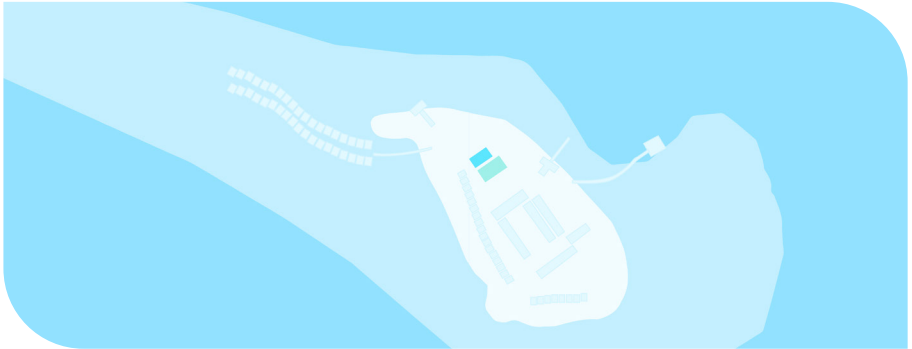
- LUBE OIL CONSUMPTION (Litres)
10,026
- DIESEL FUEL CONSUMPTION (Litres)
2,878,810
- ELECTRICITY PRODUCTION (kW)
10,259,051

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
900
- TOTAL GENERATION FROM SOLAR PV (kWh)
1,414,171

EMISSIONS

- CO₂ EMISSION (tCO₂)
7,387



Hurawalhi Island Resort

GEOGRAPHICAL INFORMATION

ISLAND
Lh Hurawalhi



YEAR OPENED
2016



CURRENT BED CAPACITY
180

DEMAND & CAPACITY

- MAX PEAK (kW)
899
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2,400
- MAX PEAK LOAD TIME
17:00 to 23:00

GENERATION AND CONSUMPTION

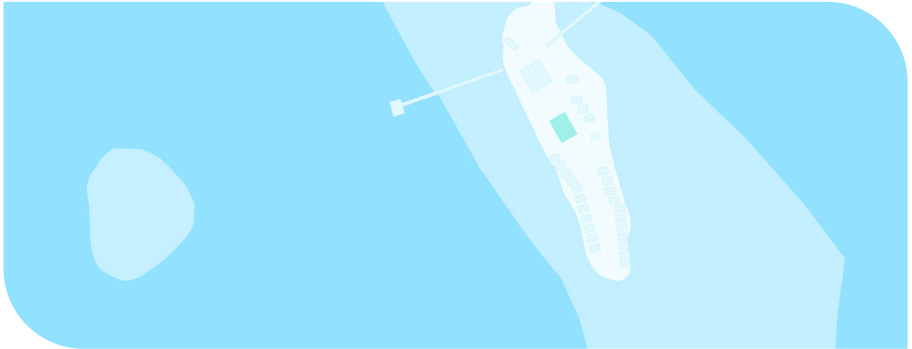
- LUBE OIL CONSUMPTION (Litres)
3,240
- DIESEL FUEL CONSUMPTION (Litres)
1,265,620
- ELECTRICITY PRODUCTION (kW)
4,303,109

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
700
- TOTAL GENERATION FROM SOLAR PV (kWh)
965,714

EMISSIONS

- CO₂ EMISSION (tCO₂)
3,098



Komandoo Island Resort & Spa

GEOGRAPHICAL INFORMATION

ISLAND
Lh Komandhoo



YEAR OPENED
1988



CURRENT BED CAPACITY
65

DEMAND & CAPACITY

- MAX PEAK (kW)
420
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,200
- MAX PEAK LOAD TIME
9:00 to 17:30

GENERATION AND CONSUMPTION

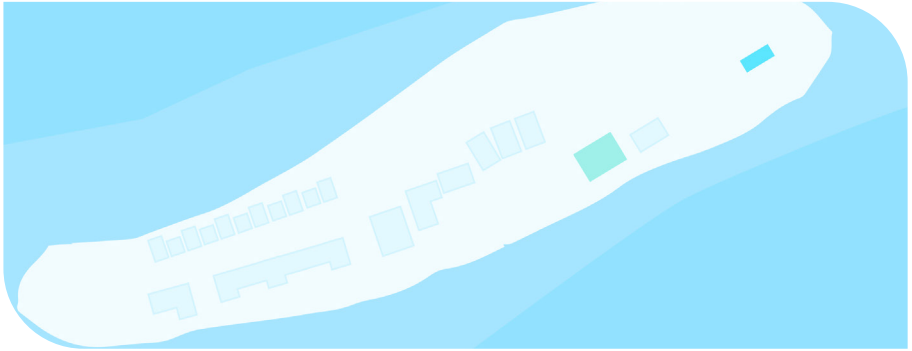
- LUBE OIL CONSUMPTION (Litres)
3,089
- DIESEL FUEL CONSUMPTION (Litres)
691,136
- ELECTRICITY PRODUCTION (kW)
2,322,710

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
62
- TOTAL GENERATION FROM SOLAR PV (kWh)
50,063

EMISSIONS

- CO₂ EMISSION (tCO₂)
1,672



Lily Beach Resort & Spa

GEOGRAPHICAL INFORMATION

ISLAND
Adh Huvahendhoo



YEAR OPENED
2009



CURRENT BED CAPACITY
250

DEMAND & CAPACITY

- MAX PEAK (kW)
800
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2,720
- MAX PEAK LOAD TIME
10:00 to 21:00

GENERATION AND CONSUMPTION

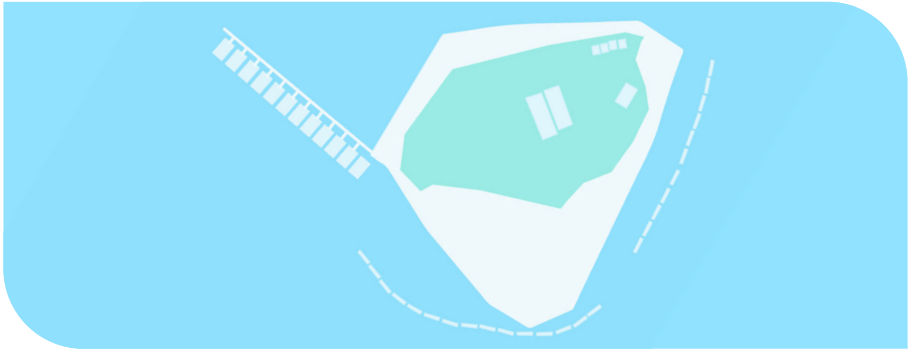
- LUBE OIL CONSUMPTION (Litres)
3,000
- DIESEL FUEL CONSUMPTION (Litres)
2,698,670
- ELECTRICITY PRODUCTION (kW)
9,175,479

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
6,606



Constance Moofushi Resort

GEOGRAPHICAL INFORMATION

ISLAND
Adh Moofushi



YEAR OPENED
2010



CURRENT BED CAPACITY
110

DEMAND & CAPACITY

- MAX PEAK (kW)
500
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,512
- MAX PEAK LOAD TIME
19:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
4,645
- DIESEL FUEL CONSUMPTION (Litres)
985,308
- ELECTRICITY PRODUCTION (kW)
3,313,719

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
2,386



Robinson Club Noonu

GEOGRAPHICAL INFORMATION

ISLAND
N Orivaru



YEAR OPENED
2017



CURRENT BED CAPACITY
150

DEMAND & CAPACITY

- MAX PEAK (kW)
810
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2,400
- MAX PEAK LOAD TIME
18:00

GENERATION AND CONSUMPTION

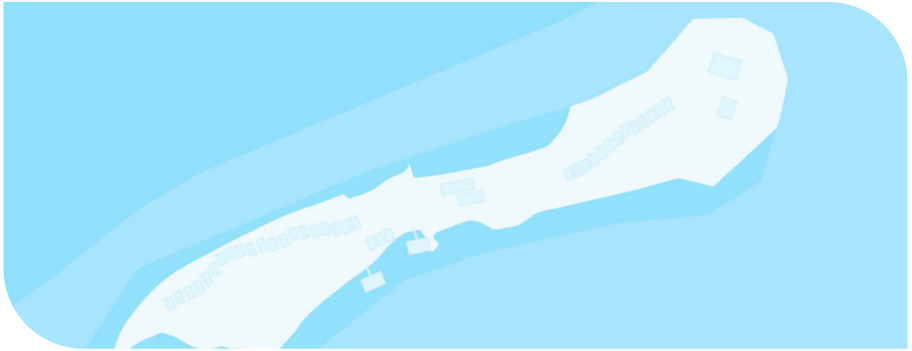
- LUBE OIL CONSUMPTION (Litres)
8,500
- DIESEL FUEL CONSUMPTION (Litres)
1,348,977
- ELECTRICITY PRODUCTION (kW)
4,586,523

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
3,302



Oblu by Atmosphere at Helengeli Maldives

GEOGRAPHICAL INFORMATION

ISLAND
K Helengeli



YEAR OPENED
2015



CURRENT BED CAPACITY
116

DEMAND & CAPACITY

- MAX PEAK (kW)
707
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,697
- MAX PEAK LOAD TIME
8:00 - 19:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
5,010
- DIESEL FUEL CONSUMPTION (Litres)
1,145,379
- ELECTRICITY PRODUCTION (kW)
3,028,417

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
2,180



Furaveri Island Resort & Spa

GEOGRAPHICAL INFORMATION

ISLAND
R Furaveri



YEAR OPENED
2016



CURRENT BED CAPACITY
202

DEMAND & CAPACITY

- MAX PEAK (kW)
750
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2,240
- MAX PEAK LOAD TIME
10:00 to 20:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
3,456
- DIESEL FUEL CONSUMPTION (Litres)
1,010,679
- ELECTRICITY PRODUCTION (kW)
3,790,771

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
2,729



Cheval Blanc Randheli

GEOGRAPHICAL INFORMATION

ISLAND
N Randheli



YEAR OPENED
2013



CURRENT BED CAPACITY
46

DEMAND & CAPACITY

- MAX PEAK (kW)
1,919
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
3,225
- MAX PEAK LOAD TIME
20:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
10,400
- DIESEL FUEL CONSUMPTION (Litres)
2,622,100
- ELECTRICITY PRODUCTION (kW)
9,922,803

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
320
- TOTAL GENERATION FROM SOLAR PV (kWh)
317,387

EMISSIONS

- CO₂ EMISSION (tCO₂)
7,144



Reethi Beach Resort

GEOGRAPHICAL INFORMATION

ISLAND
B Fonimagoodhoo



YEAR OPENED
1998



CURRENT BED CAPACITY
248

DEMAND & CAPACITY

- MAX PEAK (kW)
380
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,400
- MAX PEAK LOAD TIME
11:00 - 23:00

GENERATION AND CONSUMPTION

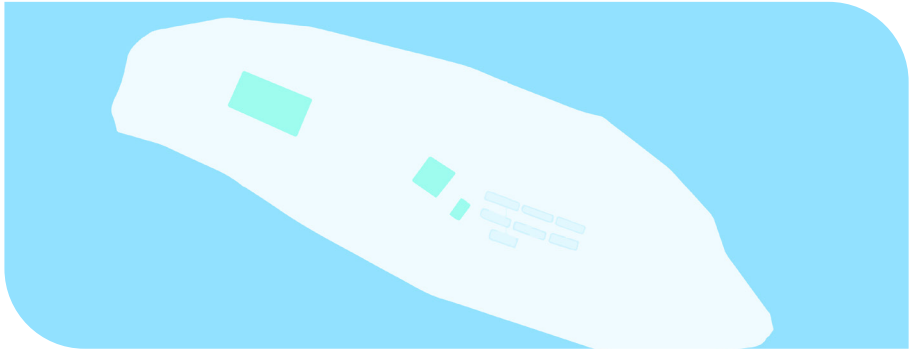
- LUBE OIL CONSUMPTION (Litres)
3,075
- DIESEL FUEL CONSUMPTION (Litres)
805,060
- ELECTRICITY PRODUCTION (kW)
2,557,470

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
1,841



Royal Island Resort & Spa

GEOGRAPHICAL INFORMATION

ISLAND
B Horubadhu



YEAR OPENED
2001



CURRENT BED CAPACITY
304

DEMAND & CAPACITY

- MAX PEAK (kW)
820
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,800
- MAX PEAK LOAD TIME
16:00

GENERATION AND CONSUMPTION

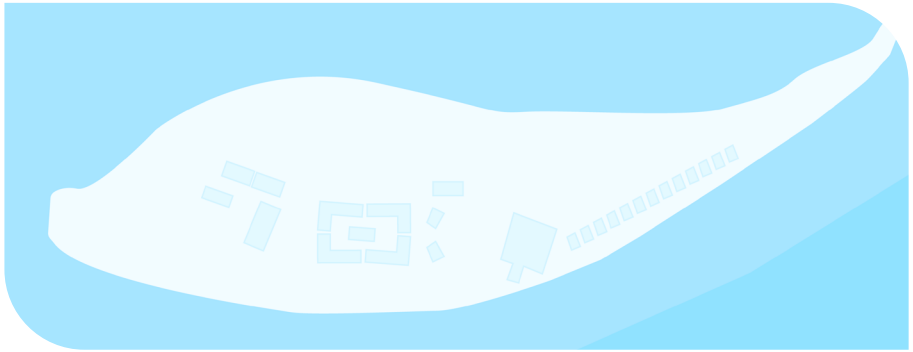
- LUBE OIL CONSUMPTION (Litres)
5,625
- DIESEL FUEL CONSUMPTION (Litres)
1,274,004
- ELECTRICITY PRODUCTION (kW)
4,430,204

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
3,190



Fairmont Maldives Sirru Fen Fushi

GEOGRAPHICAL INFORMATION

ISLAND
Sh Sirru FenFushi



YEAR OPENED
2018



CURRENT BED CAPACITY
120

DEMAND & CAPACITY

- MAX PEAK (kW)
1,287
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
3,600
- MAX PEAK LOAD TIME
11:00 - 16:00

GENERATION AND CONSUMPTION

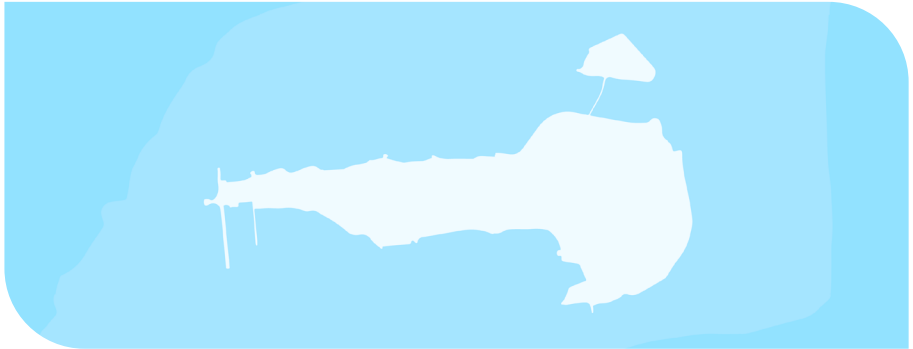
- LUBE OIL CONSUMPTION (Litres)
6,850
- DIESEL FUEL CONSUMPTION (Litres)
1,564,132
- ELECTRICITY PRODUCTION (kW)
5,881,979

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO2 EMISSION (tCO₂)
4,235



Sheraton Maldives Fullmoon Resort & Spa

GEOGRAPHICAL INFORMATION

ISLAND
K Furanafushi



YEAR OPENED
1973



CURRENT BED CAPACITY
100

DEMAND & CAPACITY

- MAX PEAK (kW)
1,101
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
4,200
- MAX PEAK LOAD TIME
19:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
8,440
- DIESEL FUEL CONSUMPTION (Litres)
1,979,813
- ELECTRICITY PRODUCTION (kW)
7,411,474

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
5,336



Taj Exotica Resort & Spa

GEOGRAPHICAL INFORMATION

ISLAND
K Embudu Finolhu



YEAR OPENED
1993



CURRENT BED CAPACITY
128

DEMAND & CAPACITY

- MAX PEAK (kW)
800
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2,204
- MAX PEAK LOAD TIME
11:30-15:00 / 18:30-20:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
4,077
- DIESEL FUEL CONSUMPTION (Litres)
1,080,284
- ELECTRICITY PRODUCTION (kW)
3,492,218

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
2,514



Velassaru Maldives

GEOGRAPHICAL INFORMATION

ISLAND
K Velassaru



YEAR OPENED
1974



CURRENT BED CAPACITY
258

DEMAND & CAPACITY

- MAX PEAK (kW)
910
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
3,360
- MAX PEAK LOAD TIME
11:00

GENERATION AND CONSUMPTION

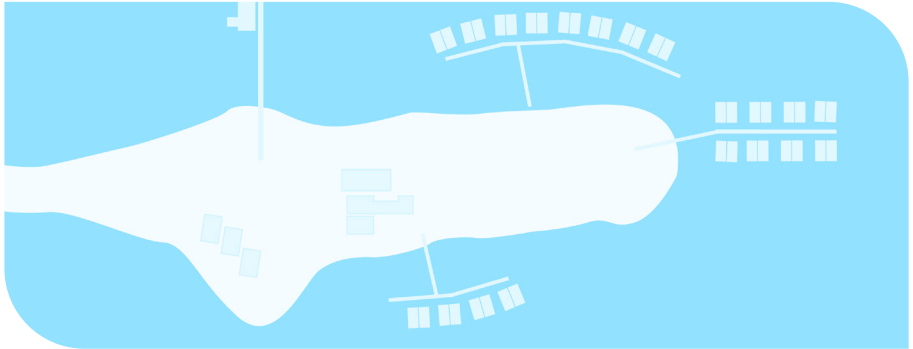
- LUBE OIL CONSUMPTION (Litres)
4,670
- DIESEL FUEL CONSUMPTION (Litres)
1,449,100
- ELECTRICITY PRODUCTION (kW)
5,428,968

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
3,909



Veligandu Island Resort & Spa

GEOGRAPHICAL INFORMATION

ISLAND
AA Veligandu



YEAR OPENED
1984



CURRENT BED CAPACITY
182

DEMAND & CAPACITY

- MAX PEAK (kW)
659
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,520
- MAX PEAK LOAD TIME
13:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
5,915
- DIESEL FUEL CONSUMPTION (Litres)
1,159,180
- ELECTRICITY PRODUCTION (kW)
3,933,752

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
2,832



Conrad Maldives

GEOGRAPHICAL INFORMATION

ISLAND
Adh Ranganalifinolhu



YEAR OPENED
1998



CURRENT BED CAPACITY
300

DEMAND & CAPACITY

- MAX PEAK (kW)
2,099
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
8,334
- MAX PEAK LOAD TIME
-

GENERATION AND CONSUMPTION

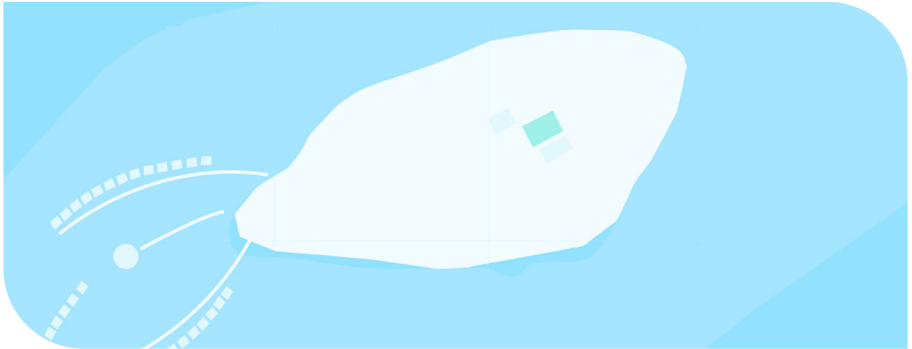
- LUBE OIL CONSUMPTION (Litres)
28
- DIESEL FUEL CONSUMPTION (Litres)
-
- ELECTRICITY PRODUCTION (kW)
6,237,000

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
4,491



Ayada Maldives

GEOGRAPHICAL INFORMATION

ISLAND
Gdh Magudhuvaa



YEAR OPENED
2011



CURRENT BED CAPACITY
200

DEMAND & CAPACITY

- MAX PEAK (kW)
1,280
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2,520
- MAX PEAK LOAD TIME
21:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
10,855
- DIESEL FUEL CONSUMPTION (Litres)
2,127,582
- ELECTRICITY PRODUCTION (kW)
7,233,779

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
5,208



Cinnamon Dhonveli Maldives

GEOGRAPHICAL INFORMATION

ISLAND
L Kanuhuraa



YEAR OPENED
2004



CURRENT BED CAPACITY
148

DEMAND & CAPACITY

- MAX PEAK (kW)
755
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
1,480
- MAX PEAK LOAD TIME
18:00 - 21:30

GENERATION AND CONSUMPTION

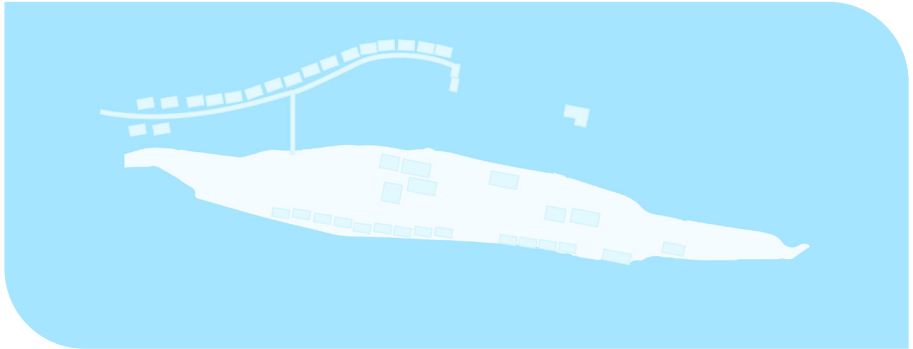
- LUBE OIL CONSUMPTION (Litres)
3,140
- DIESEL FUEL CONSUMPTION (Litres)
1,211,855
- ELECTRICITY PRODUCTION (kW)
4,251,494

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
3,061



The Residence Maldives

GEOGRAPHICAL INFORMATION

ISLAND
GA Falhumaafushi



YEAR OPENED
2012



CURRENT BED CAPACITY
98

DEMAND & CAPACITY

- MAX PEAK (kW)
1,000
- TOTAL DIESEL GENERATORS INSTALLED CAPACITY (kW)
2,020
- MAX PEAK LOAD TIME
18:00

GENERATION AND CONSUMPTION

- LUBE OIL CONSUMPTION (Litres)
9,250
- DIESEL FUEL CONSUMPTION (Litres)
1,615,300
- ELECTRICITY PRODUCTION (kW)
4,922,675

RENEWABLE ENERGY

- TOTAL SOLAR PV CAPACITY (kW)
-
- TOTAL GENERATION FROM SOLAR PV (kWh)
-

EMISSIONS

- CO₂ EMISSION (tCO₂)
3,544



Maldives Energy Authority
Republic of Maldives
Island Electricity Data Book 2019

ISBN: 978-99915-59-90-2