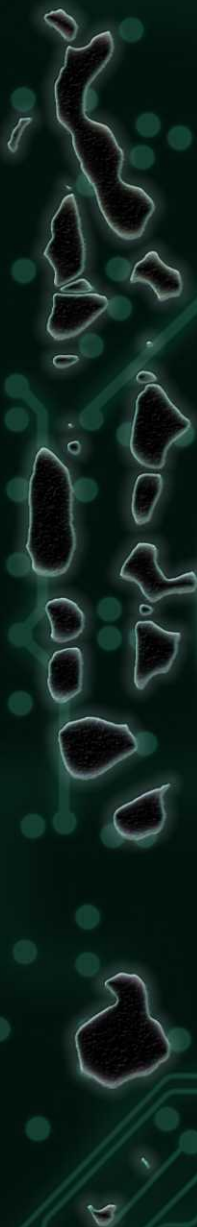


Maldives Energy Outlook for Inhabited Islands

2013



Ministry of Environment and Energy
Republic of Maldives

Contents

Foreword.....	i
A brief introduction to the Energy Sector of the Maldives.....	ii
HA. Atoll	
Baarah.....	1
Dhidhdhoo.....	2
Filladhdhoo.....	3
Hoarafushi.....	4
Ihavandhoo.....	5
Kelaa.....	6
Maarandhoo.....	7
Molhadhoo.....	8
Muraidhoo.....	9
Thakandhoo.....	10
Thuraakunu.....	11
Uligamu.....	12
Utheemu.....	13
Vashafaru.....	14
Hdh. Atoll	
Finey.....	15
Hanimaadhoo.....	16
Hirimaradhoo.....	17
Kulhudhuffushi.....	18
Kumundhoo.....	19
Kuribi.....	20
Makunudhoo.....	21
Naivaadhoo.....	22
Nellaidhoo.....	23
Neykurendhoo.....	24
Nolhivaramu.....	25
Nolhivaranfaru.....	26
Vaikaradhoo.....	27
Sh. Atoll	
Bilehffahi.....	28
Feevah.....	29
Feydhoo.....	30
Foakaidhoo.....	31
Funadhoo.....	32
Goidhoo.....	33
Kaditheemu.....	34
Komandoo.....	35
Lhaimagu.....	36

	Maaugoodhoo.....	37
	Maroshi.....	38
	Milandhoo.....	39
	Narudhoo.....	40
	Noomaraa.....	41
N.Atoll		
	fodhdhoo.....	42
	Hebadhoo.....	43
	Holhudhoo.....	44
	Kedhikolhudhoo.....	45
	Kudafari.....	46
	Landhoo.....	47
	Lhohi.....	48
	Maafaru.....	49
	Maalhendhoo.....	50
	Magoodhoo.....	51
	Manadhoo.....	52
	Miladhoo.....	53
	Velidhoo.....	54
R.Atoll		
	Alifushi.....	55
	Angolhitheemu.....	56
	Dhuvaafaru.....	57
	Fainu.....	58
	Hulhudhuffaaruu.....	59
	Iguraidhoo.....	60
	Innamaadhoo.....	61
	Kinolhas.....	62
	Maakurathu.....	63
	Maduvvari.....	64
	Meedhoo.....	65
	Rasgetheemu.....	66
	Rasmaadhoo.....	67
	Ugoofaaruu.....	68
	Vaadhoo.....	69
B.Atoll		
	Dharavandhoo.....	70
	Dhonfanu.....	71
	Eydhafushi.....	72
	Fehendhoo.....	73
	Fulhadhoo.....	74
	Goidhoo.....	75
	Hithaadhoo.....	76
	Kamadhoo.....	77
	Kendhoo.....	78
	Kihaadhoo.....	79
	Kudarikilu.....	80
	Maalhos.....	81

Thulhaadhoo.....	82
Lh. Atoll	
Hinnavaru.....	83
Kurendhoo.....	84
Maafilaafushi.....	85
Naifaru.....	86
Olhuvelifushi.....	87
K. Atoll	
Dhiffushi.....	88
Gaafaru.....	89
Gulhi.....	90
Guraidhoo.....	91
Himmafushi.....	92
Hulhumale'.....	93
Huraa.....	94
Kaashidhoo.....	95
Maafushi.....	96
Male'.....	97
Thulusdhoo.....	98
Villin'gili.....	99
AA. Atoll	
Bodufolhudhoo.....	100
Feridhoo.....	101
Himandhoo.....	102
Maalhos.....	103
Mathiveri.....	104
Rasdhoo.....	105
Thoddoo.....	106
Ukulhas.....	107
Adh. Atoll	
Dhagethi.....	108
Dhidhdhoo.....	109
Dhigurah.....	110
Fenfushi.....	111
Hangnameedhoo.....	112
Kuburudhoo.....	113
Maamigili.....	114
Mahibadhoo.....	115
Mandhoo.....	116
Omadhoo.....	117
V. Atoll	
Felidhoo.....	118
Fulidhoo.....	119
Keyodhoo.....	120
Rakeedhoo.....	121
Thinadhoo.....	122

M. Atoll	
Dhiggaru.....	123
Kolhufushi.....	124
Maduvvari.....	125
Mulah.....	126
Muli.....	127
Naalaafushi.....	128
Raimandhoo.....	129
Veyvah.....	130
F.Atoll	
Biledhdhoo.....	131
Dharaboodhoo.....	132
Feeali.....	133
Magoodhoo.....	134
Nilandhoo.....	135
Dh. Atoll	
Bandidhoo.....	136
Hulhudheli.....	137
Kudahuvadhoo.....	138
Maaebodhoo.....	139
Meedhoo.....	140
Ribudhoo.....	141
Th. Atoll	
Buruni.....	142
Dhiyamigili.....	143
Gaadhiffushi.....	144
Guraidhoo.....	145
Hirilandhoo.....	146
Kan'doodhoo.....	147
Kin'bidhoo.....	148
Madifushi.....	149
Omadhoo.....	150
Thimarafushi.....	151
Vandhoo.....	152
Veymandoo.....	153
Vilufushi.....	154
L. Atoll	
Dhabidhoo.....	155
Fonadhoo.....	156
Gaadhoo.....	157
Gan.....	158
Hithadhoo.....	159
Isdhoo.....	160
Kalaidhoo.....	161
Kunahandhoo.....	162
Maabaidhoo.....	163
Maamendhoo.....	164
Maavah.....	165

Mundhoo.....	166
GA. Atoll	
Dhaandhoo.....	167
Dheevadhoo.....	168
Gemanafushi.....	169
Kanduhulhudhoo.....	170
Kodey.....	171
Kolamaafushi.....	172
Maamendhoo.....	173
Nilandhoo.....	174
Viligili.....	175
Gdh. Atoll	
Fares-Maathodaa.....	176
Fiyolari.....	177
Gadhdhoo.....	178
Hoadeddhoo.....	179
Madeveli.....	180
Nadallaa.....	181
Rathafandhoo.....	182
Thinadhoo.....	183
Vaadhoo.....	184
Gn. Atoll	
Fuvahmulah.....	185
S. Atoll	
Addu City (i).....	186
Addu City (ii).....	187
Contributors and Reviewers.....	iv

Foreword



The energy sector of Maldives is one of the most dynamic and fast-moving sectors of economic development. As we strive to improve and develop the energy sector, we are faced with many obstacles and challenges to overcome. One of the main difficulties is the availability and collection of data. Most of the times, we have the required data with different stakeholders; however, it is crucial to have a consolidated national energy database. Especially, electricity sector, being one of the key areas of energy sector, needs to have regularly updated information at island level as well as at national level to understand the status of the country and rooms for improvement. Moreover, utilizing the latest available statistics is necessary for formulating the policies of the sector as well as for future planning.

The Maldives Energy Outlook for Inhabited Islands is a compilation of electricity data of Maldives. From this year onwards, we have targeted to publish the energy statistics every year in order to make available the latest data to all the stakeholders and investors.

I am delighted that the Ministry of Environment and Energy took initiative in releasing this important book. I hope it will be very useful to those engaged in the sector and also to the investors. Furthermore, I am confident that the information available in this book can be helpful in implementing the programs set forth to bring positive changes to the sector.

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

Thoriq Ibrahim
Minister of Environment and Energy
Republic of Maldives

A brief introduction to the Energy Sector of the Maldives

Maldives is a country comprising of 1,192 dispersed tropical islands grouped into 26 geographical atolls spreading over an area of more than 90,000km² and occupying a total land area of 298km². Out of the total 1,192 islands, 190 are inhabited, 105 are self-contained tourist resorts and 21 are used for other commercial activities. The total population of the Maldives is 298,968^[1].

Maldives is entirely dependent on imported fossil fuel in meeting its energy demand. In 2012, 481,577metric ton of fuel was imported. Out of this, 10,019metric ton was cooking gas, 337,531metric ton was diesel, 38,008metric ton was petrol and 96,019metric ton was aviation gas^[2].

Electricity generation is the single largest consumer of imported fuel. Out of 337,531metric ton of diesel imported in 2012, 39% was used to generate electricity in inhabited islands.

Maldives achieved universal access of electricity in 2008. Today, the inhabited islands of the Maldives have a total installed capacity of 141MW of diesel generators to cater for the electricity demand. The dispersed nature of the islands and the fact that there is no existing national grid, requires that each of the islands to have individually operated powerhouses. Thus there is a total of 191 powerhouses in inhabited islands. The powerhouses are operated mainly by three utility companies namely, State Electric Company Ltd. (STELCO), FENAKA Corporation Ltd. (FENAKA), and Male' Water and Sewerage Company Pvt. Ltd. (MWSC). The number of powerhouses operated by these companies is 26, 145 and 1 respectively. Out of the remaining powerhouses, the island councils operate 16 and 03 are operated by the private parties.

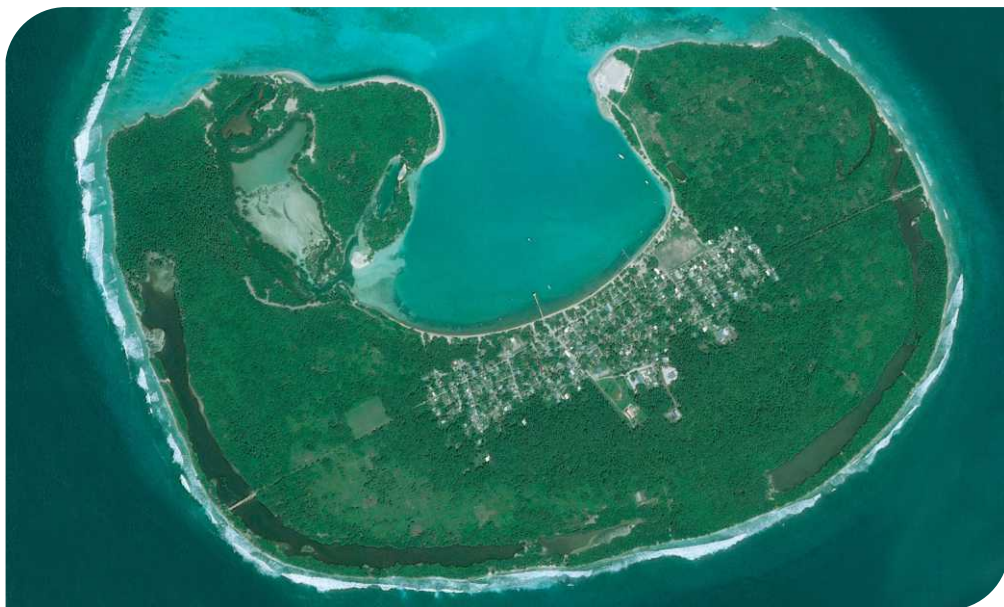
Electricity generation for the capital Male' (Male', Villingili and Hulhumale') accounts for 57.65 % of the total electricity generation of all the inhabited islands. This is the largest electricity-consuming region with consumption of about a 247.17GWh/year and having an installed capacity of 69.82MW. However, annual electricity demand in the outer islands varies significantly, ranging from 23,000MWh to less than 14MWh. In 2012, outer islands consumed 181.57GWh of electricity.

The Maldives Energy Authority (MEA) regulates the energy sector of the Maldives. Electricity tariff is also regulated by MEA and tariff is determined based on average tariff, dividing customers into three categories: residential, business and governmental. With the current tariff, the government has also introduced a subsidy scheme for domestic consumers. This is part of the social welfare protection, to make access to affordable electricity to average households. Existing electricity tariff approved by the MEA for diesel-based generation is in the range of US cent 21–49.

To decrease the dependency on imported fuels, the government has started to work on the transformation of the energy sector. Achieving carbon neutrality is the most ambitious target to be reached by the sector.

[1] Census population 2006, Department of National Planning

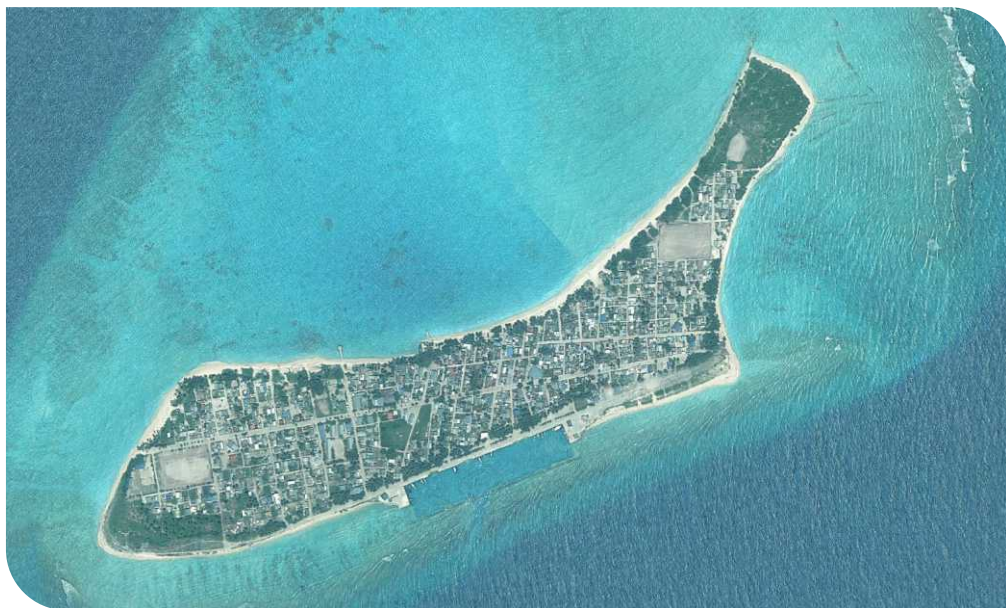
[2] Total Imports 2012, Maldives Customs Service



Baarah

H A

Population	1925
Area of Island (km ²)	2.6
Distance from Male' (km)	294.7
Distance from nearest airport (km)	8.3
Electricity Provider	FENAKA
Daily Peak Load (kW)	123.7
Peak load time	19:00
Installed Capacity (kW)	256
Installed Generator sets (kW)	120, 68, 68
Monthly Average Usage (kWh)	58,817.00
Yearly electricity production (kWh/yr)	705,804.00
Oil Consumption (l/yr)	264,000.00
Lube Oil Consumption (l/yr)	984.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25,35,50,75
CO ₂ emission (tCO ₂)	702.87



Population	3996
Area of Island (km ²)	0.6
Distance from Male' (km)	305
Distance from nearest airport (km)	17.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	490
Peak load time	20:30
Installed Capacity (kW)	1318
Installed Generator sets (kW)	400, 318, 200, 400
Monthly Average Usage (kWh)	212,126.00
Yearly electricity production (kWh/yr)	2,545,512.00
Oil Consumption (l/yr)	769,320.00
Lube Oil Consumption (l/yr)	3,600.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1992
Distribution Cable size (mm ²)	35,50,70,120
CO ₂ emission (tCO ₂)	2,048.24



Filladhoo

H A

Population	1050
Area of Island (km ²)	2.6
Distance from Male' (km)	301.7
Distance from nearest airport (km)	16.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	55
Peak load time	20:00
Installed Capacity (kW)	140
Installed Generator sets (kW)	40, 60, 40
Monthly Average Usage (kWh)	27,544.00
Yearly electricity production (kWh/yr)	330,528.00
Oil Consumption (l/yr)	144,000.00
Lube Oil Consumption (l/yr)	1,200.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	25,35,75
CO ₂ emission (tCO ₂)	383.39



Population	3299
Area of Island (km ²)	0.7
Distance from Male' (km)	317.1
Distance from nearest airport (km)	39.4
Electricity Provider	FENAKA
Daily Peak Load (kW)	290
Peak load time	12:30
Installed Capacity (kW)	650
Installed Generator sets (kW)	200, 250, 200
Monthly Average Usage (kWh)	138,214.00
Yearly electricity production (kWh/yr)	1,658,568.00
Oil Consumption (l/yr)	481,908.00
Lube Oil Consumption (l/yr)	2,543.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1999
Distribution Cable size (mm ²)	25,35,50,70,90,150
CO ₂ emission (tCO ₂)	1,283.03



Population	3007
Area of Island (km ²)	0.6
Distance from Male' (km)	314.1
Distance from nearest airport (km)	34.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	260
Peak load time	12:00
Installed Capacity (kW)	570
Installed Generator sets (kW)	250, 160, 160
Monthly Average Usage (kWh)	127,014.00
Yearly electricity production (kWh/yr)	1,524,168.00
Oil Consumption (l/yr)	438,000.00
Lube Oil Consumption (l/yr)	1,800.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	1,166.13



Population	2221
Area of Island (km ²)	2
Distance from Male' (km)	309.3
Distance from nearest airport (km)	23
Electricity Provider	FENAKA
Daily Peak Load (kW)	161
Peak load time	12:00
Installed Capacity (kW)	476
Installed Generator sets (kW)	120, 120, 236
Monthly Average Usage (kWh)	84,353.00
Yearly electricity production (kWh/yr)	1,012,236.00
Oil Consumption (l/yr)	288,000.00
Lube Oil Consumption (l/yr)	1,260.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25,35,50,70
CO ₂ emission (tCO ₂)	766.77



Population	963
Area of Island (km ²)	0.4
Distance from Male' (km)	303.9
Distance from nearest airport (km)	24.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	57
Peak load time	11:30
Installed Capacity (kW)	140
Installed Generator sets (kW)	90, 50
Monthly Average Usage (kWh)	24,389.50
Yearly electricity production (kWh/yr)	292,674.00
Oil Consumption (l/yr)	107,038.00
Lube Oil Consumption (l/yr)	576.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2007
Distribution Cable size (mm ²)	16,35
CO ₂ emission (tCO ₂)	284.98



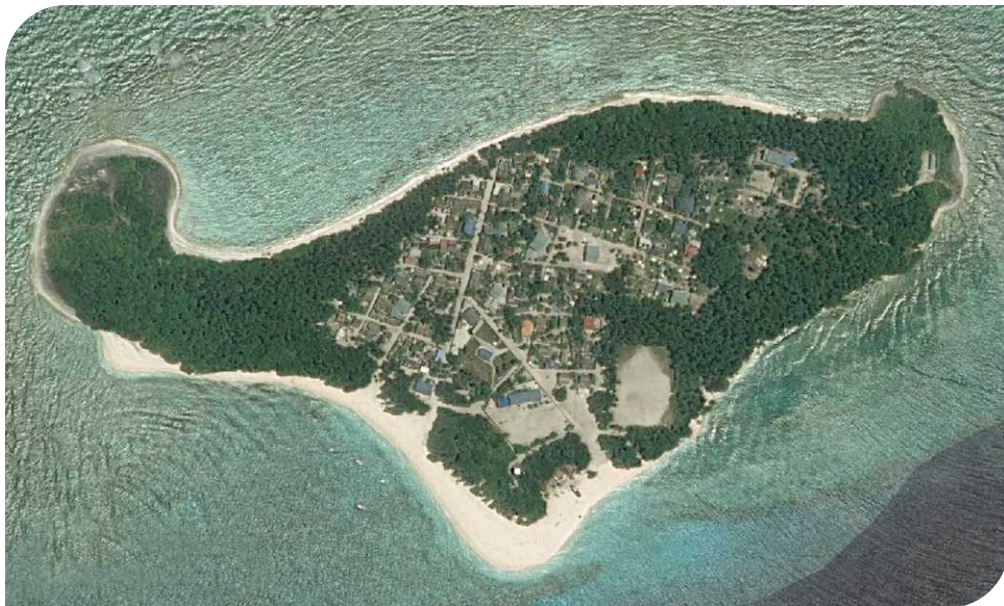
Population	379
Area of Island (km ²)	1.2
Distance from Male' (km)	320
Distance from nearest airport (km)	34.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	22
Peak load time	21:45
Installed Capacity (kW)	99
Installed Generator sets (kW)	40, 31, 28
Monthly Average Usage (kWh)	11,000.00
Yearly electricity production (kWh/yr)	132,000.00
Oil Consumption (l/yr)	50,400.00
Lube Oil Consumption (l/yr)	1,080.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2012
Distribution Cable size (mm ²)	50,70
CO ₂ emission (tCO ₂)	134.18



Population	831
Area of Island (km ²)	0.5
Distance from Male' (km)	298.9
Distance from nearest airport (km)	11.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	53
Peak load time	12:00
Installed Capacity (kW)	48
Installed Generator sets (kW)	48
Monthly Average Usage (kWh)	23,500.00
Yearly electricity production (kWh/yr)	282,000.00
Oil Consumption (l/yr)	90,000.00
Lube Oil Consumption (l/yr)	480.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1999
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	239.62



Population	923
Area of Island (km ²)	0.4
Distance from Male' (km)	302.1
Distance from nearest airport (km)	23.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	52
Peak load time	19:00
Installed Capacity (kW)	118
Installed Generator sets (kW)	58, 28, 32
Monthly Average Usage (kWh)	24,662.50
Yearly electricity production (kWh/yr)	295,950.00
Oil Consumption (l/yr)	103,512.00
Lube Oil Consumption (l/yr)	648.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1999
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	275.59



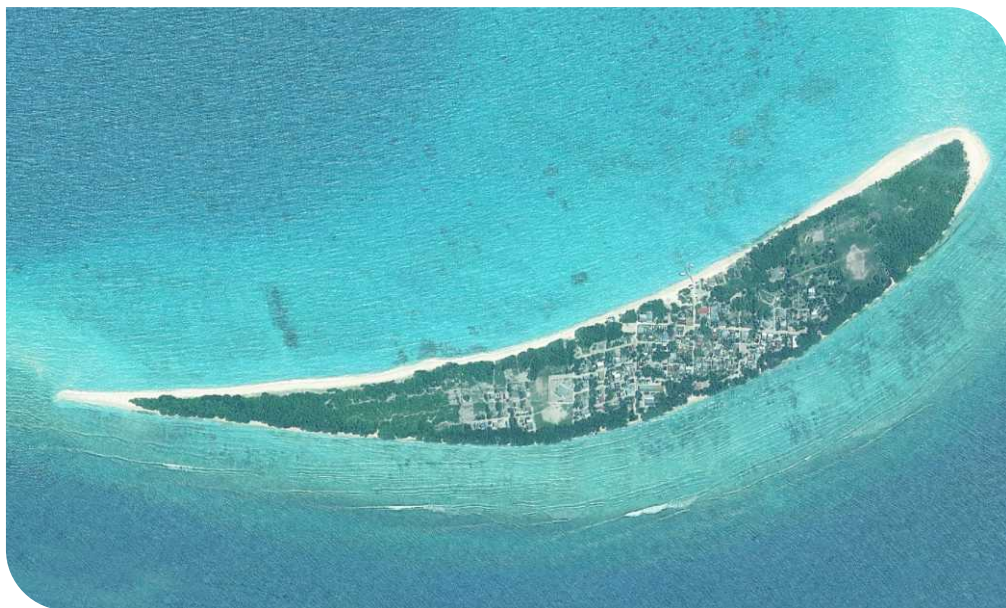
Population	679
Area of Island (km ²)	0.3
Distance from Male' (km)	331.1
Distance from nearest airport (km)	48.7
Electricity Provider	FENAKA
Daily Peak Load (kW)	65
Peak load time	11:30
Installed Capacity (kW)	148
Installed Generator sets (kW)	48, 60, 40
Monthly Average Usage (kWh)	27,627.66
Yearly electricity production (kWh/yr)	331,531.92
Oil Consumption (l/yr)	131,724.00
Lube Oil Consumption (l/yr)	847.92
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	6,25,35,50
CO ₂ emission (tCO ₂)	350.70



Population	504
Area of Island (km ²)	1.1
Distance from Male' (km)	328.7
Distance from nearest airport (km)	45.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	65
Peak load time	20:30
Installed Capacity (kW)	129
Installed Generator sets (kW)	48, 32, 49
Monthly Average Usage (kWh)	21,575.00
Yearly electricity production (kWh/yr)	258,900.00
Oil Consumption (l/yr)	88,326.00
Lube Oil Consumption (l/yr)	591.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2002
Distribution Cable size (mm ²)	16,25,35
CO ₂ emission (tCO ₂)	235.16



Population	876
Area of Island (km ²)	0.5
Distance from Male' (km)	298
Distance from nearest airport (km)	11.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	81
Peak load time	12:30
Installed Capacity (kW)	188
Installed Generator sets (kW)	80, 60, 48
Monthly Average Usage (kWh)	35,836.00
Yearly electricity production (kWh/yr)	430,032.00
Oil Consumption (l/yr)	129,184.00
Lube Oil Consumption (l/yr)	540.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16,25
CO ₂ emission (tCO ₂)	343.94



Population	881
Area of Island (km ²)	0.4
Distance from Male' (km)	304.7
Distance from nearest airport (km)	16.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	78
Peak load time	12:00
Installed Capacity (kW)	116
Installed Generator sets (kW)	80, 36
Monthly Average Usage (kWh)	21,760.00
Yearly electricity production (kWh/yr)	261,120.00
Oil Consumption (l/yr)	10,416.00
Lube Oil Consumption (l/yr)	480.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	44
CO ₂ emission (tCO ₂)	27.73



Finney

H Dh

Population	554
Area of Island (km ²)	1.2
Distance from Male' (km)	289.8
Distance from nearest airport (km)	13
Electricity Provider	FENAKA
Daily Peak Load (kW)	32
Peak load time	14:00
Installed Capacity (kW)	143
Installed Generator sets (kW)	40, 48, 55
Monthly Average Usage (kWh)	20,512.00
Yearly electricity production (kWh/yr)	246,144.00
Oil Consumption (l/yr)	104,400.00
Lube Oil Consumption (l/yr)	600.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	277.95



Population	1938
Area of Island (km ²)	3.1
Distance from Male' (km)	287.8
Distance from nearest airport (km)	0
Electricity Provider	FENAKA
Daily Peak Load (kW)	368
Peak load time	12:30
Installed Capacity (kW)	770
Installed Generator sets (kW)	200, 160, 160, 250
Monthly Average Usage (kWh)	155,030.00
Yearly electricity production (kWh/yr)	1,860,360.00
Oil Consumption (l/yr)	581,825.00
Lube Oil Consumption (l/yr)	2,902.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1992
Distribution Cable size (mm ²)	16,35,50,75,95,120,150
CO ₂ emission (tCO ₂)	1,549.05



Population	531
Area of Island (km ²)	0.5
Distance from Male' (km)	286.9
Distance from nearest airport (km)	17
Electricity Provider	FENAKA
Daily Peak Load (kW)	38
Peak load time	19:30
Installed Capacity (kW)	86
Installed Generator sets (kW)	40, 46
Monthly Average Usage (kWh)	13,628.67
Yearly electricity production (kWh/yr)	163,544.04
Oil Consumption (l/yr)	57,732.00
Lube Oil Consumption (l/yr)	400.80
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm ²)	70
CO ₂ emission (tCO ₂)	153.71



Population	9106
Area of Island (km ²)	1.9
Distance from Male' (km)	275
Distance from nearest airport (km)	18.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	1412
Peak load time	13:00
Installed Capacity (kW)	2440
Installed Generator sets (kW)	1000, 800, 640
Monthly Average Usage (kWh)	753,950.00
Yearly electricity production (kWh/yr)	9,047,400.00
Oil Consumption (l/yr)	27,022,620.00
Lube Oil Consumption (l/yr)	7,366.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1987
Distribution Cable size (mm ²)	35,50,70,95,120
CO ₂ emission (tCO ₂)	71,945.02



Population	1397
Area of Island (km ²)	0.5
Distance from Male' (km)	269.8
Distance from nearest airport (km)	24.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	85
Peak load time	20:00
Installed Capacity (kW)	216
Installed Generator sets (kW)	112, 104
Monthly Average Usage (kWh)	42,534.00
Yearly electricity production (kWh/yr)	510,408.00
Oil Consumption (l/yr)	166,296.00
Lube Oil Consumption (l/yr)	1,200.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2001
Distribution Cable size (mm ²)	16,25,35,50,70,90,120
CO ₂ emission (tCO ₂)	442.75



Population	709
Area of Island (km ²)	0.4
Distance from Male' (km)	282.2
Distance from nearest airport (km)	22.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	60
Peak load time	12:00
Installed Capacity (kW)	136
Installed Generator sets (kW)	60, 48, 28
Monthly Average Usage (kWh)	28,254.00
Yearly electricity production (kWh/yr)	339,048.00
Oil Consumption (l/yr)	112,800.00
Lube Oil Consumption (l/yr)	529.80
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1993
Distribution Cable size (mm ²)	6,16
CO ₂ emission (tCO ₂)	300.32



Population	1608
Area of Island (km ²)	0.7
Distance from Male' (km)	262.4
Distance from nearest airport (km)	64.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	168
Peak load time	12:00
Installed Capacity (kW)	433
Installed Generator sets (kW)	236, 117, 80
Monthly Average Usage (kWh)	69,742.00
Yearly electricity production (kWh/yr)	836,904.00
Oil Consumption (l/yr)	263,350.00
Lube Oil Consumption (l/yr)	1,112.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25,35,50
CO ₂ emission (tCO ₂)	701.14



Population	804
Area of Island (km ²)	0.3
Distance from Male' (km)	292.4
Distance from nearest airport (km)	25.7
Electricity Provider	FENAKA
Daily Peak Load (kW)	76
Peak load time	12:00
Installed Capacity (kW)	164
Installed Generator sets (kW)	80, 50, 34
Monthly Average Usage (kWh)	27,158.00
Yearly electricity production (kWh/yr)	325,896.00
Oil Consumption (l/yr)	107,591.00
Lube Oil Consumption (l/yr)	473.42
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2005
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	286.45



Population	1230
Area of Island (km ²)	0.3
Distance from Male' (km)	288.4
Distance from nearest airport (km)	24.3
Electricity Provider	FENAKA
Daily Peak Load (kW)	102
Peak load time	19:00
Installed Capacity (kW)	208
Installed Generator sets (kW)	80, 80, 48
Monthly Average Usage (kWh)	45,155.00
Yearly electricity production (kWh/yr)	541,860.00
Oil Consumption (l/yr)	171,420.00
Lube Oil Consumption (l/yr)	576.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2002
Distribution Cable size (mm ²)	6,25,35,50
CO ₂ emission (tCO ₂)	456.39



Population	1370
Area of Island (km ²)	1.7
Distance from Male' (km)	269.5
Distance from nearest airport (km)	30
Electricity Provider	FENAKA
Daily Peak Load (kW)	105
Peak load time	11:30
Installed Capacity (kW)	206
Installed Generator sets (kW)	40, 100, 66
Monthly Average Usage (kWh)	43,656.00
Yearly electricity production (kWh/yr)	523,872.00
Oil Consumption (l/yr)	171,297.00
Lube Oil Consumption (l/yr)	773.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25,35
CO ₂ emission (tCO ₂)	456.06



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Population	2397
Area of Island (km ²)	2.0
Distance from Male' (km)	280
Distance from nearest airport (km)	13
Electricity Provider	FENAKA
Daily Peak Load (kW)	138
Peak load time	12:00
Installed Capacity (kW)	340
Installed Generator sets (kW)	80, 160, 100
Monthly Average Usage (kWh)	65,000.00
Yearly electricity production (kWh/yr)	780,000.00
Oil Consumption (l/yr)	283,200.00
Lube Oil Consumption (l/yr)	1,200.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2008
Distribution Cable size (mm ²)	6,35,95
CO ₂ emission (tCO ₂)	753.99



Population	1788
Area of Island (km ²)	4.4
Distance from Male' (km)	283.2
Distance from nearest airport (km)	7.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	115
Peak load time	20:30
Installed Capacity (kW)	290
Installed Generator sets (kW)	40, 125, 125
Monthly Average Usage (kWh)	60,000.00
Yearly electricity production (kWh/yr)	720,000.00
Oil Consumption (l/yr)	234,000.00
Lube Oil Consumption (l/yr)	1,200.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1999
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	623.00



Population	1801
Area of Island (km ²)	1.1
Distance from Male' (km)	270.4
Distance from nearest airport (km)	32.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	103
Peak load time	8:00
Installed Capacity (kW)	280
Installed Generator sets (kW)	120, 160
Monthly Average Usage (kWh)	42,804.00
Yearly electricity production (kWh/yr)	513,648.00
Oil Consumption (l/yr)	184,044.00
Lube Oil Consumption (l/yr)	996.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	490.00



Population	653
Area of Island (km ²)	0.6
Distance from Male' (km)	246.5
Distance from nearest airport (km)	51.3
Electricity Provider	FENAKA
Daily Peak Load (kW)	41
Peak load time	22:00
Installed Capacity (kW)	240
Installed Generator sets (kW)	48, 112, 80
Monthly Average Usage (kWh)	20,797.00
Yearly electricity production (kWh/yr)	249,564.00
Oil Consumption (l/yr)	90,669.00
Lube Oil Consumption (l/yr)	540.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2009
Distribution Cable size (mm ²)	16,25,35,50
CO ₂ emission (tCO ₂)	241.40



Population	1045
Area of Island (km ²)	0.9
Distance from Male' (km)	243
Distance from nearest airport (km)	44.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	110
Peak load time	11:00
Installed Capacity (kW)	240
Installed Generator sets (kW)	128, 112
Monthly Average Usage (kWh)	40,824.00
Yearly electricity production (kWh/yr)	489,888.00
Oil Consumption (l/yr)	172,968.00
Lube Oil Consumption (l/yr)	1,764.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	460.51



Population	1199
Area of Island (km ²)	0.9
Distance from Male' (km)	248
Distance from nearest airport (km)	44.4
Electricity Provider	FENAKA
Daily Peak Load (kW)	92
Peak load time	11:50
Installed Capacity (kW)	328
Installed Generator sets (kW)	80, 128, 120
Monthly Average Usage (kWh)	46,000.00
Yearly electricity production (kWh/yr)	552,000.00
Oil Consumption (l/yr)	201,420.00
Lube Oil Consumption (l/yr)	1,020.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	536.26



Population	1623
Area of Island (km ²)	0.7
Distance from Male' (km)	240.6
Distance from nearest airport (km)	48.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	125
Peak load time	11:00
Installed Capacity (kW)	360
Installed Generator sets (kW)	200, 160
Monthly Average Usage (kWh)	70,000.00
Yearly electricity production (kWh/yr)	840,000.00
Oil Consumption (l/yr)	264,000.00
Lube Oil Consumption (l/yr)	960.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	6, 16, 25
CO ₂ emission (tCO ₂)	702.87



Population	2375
Area of Island (km ²)	0.9
Distance from Male' (km)	218
Distance from nearest airport (km)	70
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	320
Peak load time	12:00
Installed Capacity (kW)	857
Installed Generator sets (kW)	407, 250, 200
Monthly Average Usage (kWh)	95,430.00
Yearly electricity production (kWh/yr)	1,145,160.00
Oil Consumption (l/yr)	396,000.00
Lube Oil Consumption (l/yr)	2,520.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	NA
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	1,054.31



Population	710
Area of Island (km ²)	1.0
Distance from Male' (km)	258.2
Distance from nearest airport (km)	43.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	55
Peak load time	12:30
Installed Capacity (kW)	200
Installed Generator sets (kW)	120, 80
Monthly Average Usage (kWh)	31,961.00
Yearly electricity production (kWh/yr)	383,532.00
Oil Consumption (l/yr)	129,000.00
Lube Oil Consumption (l/yr)	1,194.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2005
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	343.45



Population	1498
Area of Island (km ²)	0.9
Distance from Male' (km)	258.7
Distance from nearest airport (km)	44.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	158
Peak load time	13:30
Installed Capacity (kW)	316
Installed Generator sets (kW)	236, 80
Monthly Average Usage (kWh)	73,542.00
Yearly electricity production (kWh/yr)	882,504.00
Oil Consumption (l/yr)	281,880.00
Lube Oil Consumption (l/yr)	624.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25,
CO ₂ emission (tCO ₂)	750.48



Population	1783
Area of Island (km ²)	0.1
Distance from Male' (km)	213.4
Distance from nearest airport (km)	78.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	180
Peak load time	12:00
Installed Capacity (kW)	410
Installed Generator sets (kW)	250, 160
Monthly Average Usage (kWh)	84,737.00
Yearly electricity production (kWh/yr)	1,016,844.00
Oil Consumption (l/yr)	350,220.00
Lube Oil Consumption (l/yr)	1,104.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16,25,35
CO ₂ emission (tCO ₂)	932.43



Population	782
Area of Island (km ²)	0.4
Distance from Male' (km)	222.4
Distance from nearest airport (km)	65.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	83
Peak load time	11:30
Installed Capacity (kW)	180
Installed Generator sets (kW)	112, 68
Monthly Average Usage (kWh)	43,200.00
Yearly electricity production (kWh/yr)	518,400.00
Oil Consumption (l/yr)	152,268.00
Lube Oil Consumption (l/yr)	852.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2002
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	405.40



Population	1076
Area of Island (km ²)	0.3
Distance from Male' (km)	207.2
Distance from nearest airport (km)	80.7
Electricity Provider	FENAKA
Daily Peak Load (kW)	140
Peak load time	12:00
Installed Capacity (kW)	160
Installed Generator sets (kW)	80, 80
Monthly Average Usage (kWh)	40,880.00
Yearly electricity production (kWh/yr)	490,560.00
Oil Consumption (l/yr)	188,425.00
Lube Oil Consumption (l/yr)	942.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2003
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	501.66



Population	928
Area of Island (km ²)	0.3
Distance from Male' (km)	231.3
Distance from nearest airport (km)	60.4
Electricity Provider	FENAKA
Daily Peak Load (kW)	70
Peak load time	9:30
Installed Capacity (kW)	205
Installed Generator sets (kW)	45, 80, 80
Monthly Average Usage (kWh)	36,533.00
Yearly electricity production (kWh/yr)	438,396.00
Oil Consumption (l/yr)	145,964.00
Lube Oil Consumption (l/yr)	540.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	25, 35
CO ₂ emission (tCO ₂)	388.61



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Population	2281
Area of Island (km ²)	1.3
Distance from Male' (km)	235.2
Distance from nearest airport (km)	52.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	245
Peak load time	11:30
Installed Capacity (kW)	862
Installed Generator sets (kW)	250, 360, 252
Monthly Average Usage (kWh)	99,199.00
Yearly electricity production (kWh/yr)	1,190,388.00
Oil Consumption (l/yr)	400,999.00
Lube Oil Consumption (l/yr)	1,933.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1999
Distribution Cable size (mm ²)	35,50,70,95,120
CO ₂ emission (tCO ₂)	1,067.62



Population	565
Area of Island (km ²)	0.4
Distance from Male' (km)	233.9
Distance from nearest airport (km)	54.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	55
Peak load time	16:00
Installed Capacity (kW)	90
Installed Generator sets (kW)	50, 40
Monthly Average Usage (kWh)	15,820.20
Yearly electricity production (kWh/yr)	189,842.40
Oil Consumption (l/yr)	72,000.00
Lube Oil Consumption (l/yr)	480.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1999
Distribution Cable size (mm ²)	44
CO ₂ emission (tCO ₂)	191.69



Population	434
Area of Island (km ²)	0.4
Distance from Male' (km)	255
Distance from nearest airport (km)	36.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	36
Peak load time	20:00
Installed Capacity (kW)	80
Installed Generator sets (kW)	47, 33
Monthly Average Usage (kWh)	13,629.00
Yearly electricity production (kWh/yr)	163,548.00
Oil Consumption (l/yr)	68,820.00
Lube Oil Consumption (l/yr)	516.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	6
CO ₂ emission (tCO ₂)	183.23



Population	446
Area of Island (km ²)	0.3
Distance from Male' (km)	175.4
Distance from nearest airport (km)	65.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	35.99
Peak load time	17:00
Installed Capacity (kW)	69.4
Installed Generator sets (kW)	38, 31.4
Monthly Average Usage (kWh)	11,889.00
Yearly electricity production (kWh/yr)	142,668.00
Oil Consumption (l/yr)	56,229.00
Lube Oil Consumption (l/yr)	2,340.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2011
Distribution Cable size (mm ²)	6, 65
CO ₂ emission (tCO ₂)	149.70



Population	697
Area of Island (km ²)	0.1
Distance from Male' (km)	198.5
Distance from nearest airport (km)	90.7
Electricity Provider	FENAKA
Daily Peak Load (kW)	45
Peak load time	12:00
Installed Capacity (kW)	150
Installed Generator sets (kW)	50, 52, 48
Monthly Average Usage (kWh)	28,950.25
Yearly electricity production (kWh/yr)	347,403.00
Oil Consumption (l/yr)	118,800.00
Lube Oil Consumption (l/yr)	502.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1996
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	316.29



Population	2135
Area of Island (km ²)	0.2
Distance from Male' (km)	178.2
Distance from nearest airport (km)	70
Electricity Provider	FENAKA
Daily Peak Load (kW)	248
Peak load time	12:45
Installed Capacity (kW)	320
Installed Generator sets (kW)	120, 80, 120
Monthly Average Usage (kWh)	120,000.00
Yearly electricity production (kWh/yr)	1,440,000.00
Oil Consumption (l/yr)	432,000.00
Lube Oil Consumption (l/yr)	2,100.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2003
Distribution Cable size (mm ²)	35,50
CO ₂ emission (tCO ₂)	1,150.16



Population	1715
Area of Island (km ²)	2.1
Distance from Male' (km)	196.7
Distance from nearest airport (km)	93.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	194
Peak load time	12:17
Installed Capacity (kW)	214
Installed Generator sets (kW)	150, 64
Monthly Average Usage (kWh)	77,421.00
Yearly electricity production (kWh/yr)	929,052.00
Oil Consumption (l/yr)	320,544.00
Lube Oil Consumption (l/yr)	1,104.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2009
Distribution Cable size (mm ²)	35,50,95,120
CO ₂ emission (tCO ₂)	853.42



Population	780
Area of Island (km ²)	0.3
Distance from Male' (km)	189.3
Distance from nearest airport (km)	86.7
Electricity Provider	FENAKA
Daily Peak Load (kW)	69
Peak load time	19:00
Installed Capacity (kW)	138
Installed Generator sets (kW)	80, 58
Monthly Average Usage (kWh)	33,360.00
Yearly electricity production (kWh/yr)	400,320.00
Oil Consumption (l/yr)	133,128.00
Lube Oil Consumption (l/yr)	516.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	354.44



Population	989
Area of Island (km ²)	0.9
Distance from Male' (km)	188.9
Distance from nearest airport (km)	89.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	110
Peak load time	12:30
Installed Capacity (kW)	176
Installed Generator sets (kW)	80, 48, 48
Monthly Average Usage (kWh)	58,140.00
Yearly electricity production (kWh/yr)	697,680.00
Oil Consumption (l/yr)	176,508.00
Lube Oil Consumption (l/yr)	408.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	469.93



Population	849
Area of Island (km ²)	0.4
Distance from Male' (km)	182.1
Distance from nearest airport (km)	79.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	70
Peak load time	18:00
Installed Capacity (kW)	168
Installed Generator sets (kW)	80, 48, 40
Monthly Average Usage (kWh)	31,148.00
Yearly electricity production (kWh/yr)	373,776.00
Oil Consumption (l/yr)	106,296.00
Lube Oil Consumption (l/yr)	574.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1997
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	283.00



Population	1113
Area of Island (km ²)	1.3
Distance from Male' (km)	181.5
Distance from nearest airport (km)	83.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	85
Peak load time	11:00
Installed Capacity (kW)	170.8
Installed Generator sets (kW)	56, 84.8, 30
Monthly Average Usage (kWh)	58,268.00
Yearly electricity production (kWh/yr)	699,216.00
Oil Consumption (l/yr)	140,004.00
Lube Oil Consumption (l/yr)	865.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2007
Distribution Cable size (mm ²)	50
CO ₂ emission (tCO ₂)	372.75



Population	847
Area of Island (km ²)	0.5
Distance from Male' (km)	190.9
Distance from nearest airport (km)	90.4
Electricity Provider	FENAKA
Daily Peak Load (kW)	72
Peak load time	11:00
Installed Capacity (kW)	210
Installed Generator sets (kW)	50, 80, 80
Monthly Average Usage (kWh)	38,000.00
Yearly electricity production (kWh/yr)	456,000.00
Oil Consumption (l/yr)	1,728,000.00
Lube Oil Consumption (l/yr)	420.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1997
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	4,600.63



Population	388
Area of Island (km ²)	0.4
Distance from Male' (km)	178.5
Distance from nearest airport (km)	75
Electricity Provider	FENAKA
Daily Peak Load (kW)	9.4
Peak load time	20:00
Installed Capacity (kW)	30
Installed Generator sets (kW)	30
Monthly Average Usage (kWh)	1,163.00
Yearly electricity production (kWh/yr)	13,956.00
Oil Consumption (l/yr)	49,440.00
Lube Oil Consumption (l/yr)	190.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2010
Distribution Cable size (mm ²)	50
CO ₂ emission (tCO ₂)	131.63



Population	1822
Area of Island (km ²)	1.1
Distance from Male' (km)	176.3
Distance from nearest airport (km)	75.4
Electricity Provider	FENAKA
Daily Peak Load (kW)	325
Peak load time	12:00
Installed Capacity (kW)	268
Installed Generator sets (kW)	108, 160
Monthly Average Usage (kWh)	111,687.00
Yearly electricity production (kWh/yr)	1,340,244.00
Oil Consumption (l/yr)	468,000.00
Lube Oil Consumption (l/yr)	1,680.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	25, 35, 50, 70, 150
CO ₂ emission (tCO ₂)	1,246.00



Population	1412
Area of Island (km ²)	0.2
Distance from Male' (km)	180.4
Distance from nearest airport (km)	76.7
Electricity Provider	FENAKA
Daily Peak Load (kW)	125
Peak load time	20:00
Installed Capacity (kW)	262
Installed Generator sets (kW)	127, 55, 80
Monthly Average Usage (kWh)	3,750.00
Yearly electricity production (kWh/yr)	45,000.00
Oil Consumption (l/yr)	192,000.00
Lube Oil Consumption (l/yr)	1,560.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	511.18



Population	2464
Area of Island (km ²)	0.4
Distance from Male' (km)	166.9
Distance from nearest airport (km)	59.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	342
Peak load time	12:15
Installed Capacity (kW)	586
Installed Generator sets (kW)	112, 112, 112, 250
Monthly Average Usage (kWh)	149,670.00
Yearly electricity production (kWh/yr)	1,796,040.00
Oil Consumption (l/yr)	515,715.00
Lube Oil Consumption (l/yr)	3,985.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1997
Distribution Cable size (mm ²)	25 to 120
CO ₂ emission (tCO ₂)	1,373.04



Population	2600
Area of Island (km ²)	0.6
Distance from Male' (km)	206.1
Distance from nearest airport (km)	91.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	255
Peak load time	12:30
Installed Capacity (kW)	338
Installed Generator sets (kW)	169, 169
Monthly Average Usage (kWh)	105,500.00
Yearly electricity production (kWh/yr)	1,266,000.00
Oil Consumption (l/yr)	434,400.00
Lube Oil Consumption (l/yr)	3,240.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1994
Distribution Cable size (mm ²)	16,25
CO ₂ emission (tCO ₂)	1,156.55



Population	497
Area of Island (km ²)	0.4
Distance from Male' (km)	188
Distance from nearest airport (km)	73.3
Electricity Provider	FENAKA
Daily Peak Load (kW)	45
Peak load time	20:00
Installed Capacity (kW)	80
Installed Generator sets (kW)	80
Monthly Average Usage (kWh)	20,715.00
Yearly electricity production (kWh/yr)	248,580.00
Oil Consumption (l/yr)	111,600.00
Lube Oil Consumption (l/yr)	400.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	297.12



Population	5000
Area of Island (km ²)	0.5
Distance from Male' (km)	169.3
Distance from nearest airport (km)	54.4
Electricity Provider	MWSC
Daily Peak Load (kW)	330
Peak load time	7:30
Installed Capacity (kW)	500
Installed Generator sets (kW)	250, 250
Monthly Average Usage (kWh)	158,490.00
Yearly electricity production (kWh/yr)	1,901,880.00
Oil Consumption (l/yr)	627,540.00
Lube Oil Consumption (l/yr)	3,540.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	6,16,25,35,70,95
CO ₂ emission (tCO ₂)	1,670.76



Population	410
Area of Island (km ²)	0.6
Distance from Male' (km)	152.2
Distance from nearest airport (km)	36.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	42
Peak load time	18:00
Installed Capacity (kW)	127
Installed Generator sets (kW)	31, 48, 48
Monthly Average Usage (kWh)	15,500.00
Yearly electricity production (kWh/yr)	186,000.00
Oil Consumption (l/yr)	70,200.00
Lube Oil Consumption (l/yr)	780.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	186.90



Population	1409
Area of Island (km ²)	0.6
Distance from Male' (km)	184.5
Distance from nearest airport (km)	69.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	145
Peak load time	19:30
Installed Capacity (kW)	280
Installed Generator sets (kW)	80, 120, 80
Monthly Average Usage (kWh)	68,000.00
Yearly electricity production (kWh/yr)	816,000.00
Oil Consumption (l/yr)	275,000.00
Lube Oil Consumption (l/yr)	1,200.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1994
Distribution Cable size (mm ²)	16,25,35,50,70
CO ₂ emission (tCO ₂)	732.16



Population	1793
Area of Island (km ²)	0.5
Distance from Male' (km)	152.2
Distance from nearest airport (km)	36.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	125
Peak load time	12:00
Installed Capacity (kW)	360
Installed Generator sets (kW)	100, 100, 80, 80
Monthly Average Usage (kWh)	67,353.00
Yearly electricity production (kWh/yr)	808,236.00
Oil Consumption (l/yr)	312,000.00
Lube Oil Consumption (l/yr)	1,200.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1995
Distribution Cable size (mm ²)	25,35
CO ₂ emission (tCO ₂)	830.67



Population	808
Area of Island (km ²)	0.3
Distance from Male' (km)	160.4
Distance from nearest airport (km)	45.4
Electricity Provider	FENAKA
Daily Peak Load (kW)	94
Peak load time	19:00
Installed Capacity (kW)	252
Installed Generator sets (kW)	64, 108, 80
Monthly Average Usage (kWh)	34,626.00
Yearly electricity production (kWh/yr)	415,512.00
Oil Consumption (l/yr)	171,550.00
Lube Oil Consumption (l/yr)	800.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1999
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	456.73



Population	571
Area of Island (km ²)	0.5
Distance from Male' (km)	150.6
Distance from nearest airport (km)	35.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	32
Peak load time	12:00
Installed Capacity (kW)	170
Installed Generator sets (kW)	40, 54, 28, 48
Monthly Average Usage (kWh)	13,000.00
Yearly electricity production (kWh/yr)	156,000.00
Oil Consumption (l/yr)	79,200.00
Lube Oil Consumption (l/yr)	408.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	10,16,25
CO ₂ emission (tCO ₂)	210.86



Population	1208
Area of Island (km ²)	0.5
Distance from Male' (km)	167.4
Distance from nearest airport (km)	52.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	70
Peak load time	18:30
Installed Capacity (kW)	160
Installed Generator sets (kW)	80, 80
Monthly Average Usage (kWh)	32,855.00
Yearly electricity production (kWh/yr)	394,260.00
Oil Consumption (l/yr)	165,600.00
Lube Oil Consumption (l/yr)	576.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	16,25,35,50,70
CO ₂ emission (tCO ₂)	440.89



Population	2256
Area of Island (km ²)	0.2
Distance from Male' (km)	159.8
Distance from nearest airport (km)	45.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	160
Peak load time	12:00
Installed Capacity (kW)	291
Installed Generator sets (kW)	80, 80, 100, 31
Monthly Average Usage (kWh)	68,071.00
Yearly electricity production (kWh/yr)	816,852.00
Oil Consumption (l/yr)	310,884.00
Lube Oil Consumption (l/yr)	1,239.50
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	827.70



Population	1971
Area of Island (km ²)	0.3
Distance from Male' (km)	154.1
Distance from nearest airport (km)	39.1
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	175
Peak load time	19:00
Installed Capacity (kW)	400
Installed Generator sets (kW)	100, 150, 150
Monthly Average Usage (kWh)	84,756.00
Yearly electricity production (kWh/yr)	1,017,072.00
Oil Consumption (l/yr)	360,000.00
Lube Oil Consumption (l/yr)	960.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2008
Distribution Cable size (mm ²)	70
CO ₂ emission (tCO ₂)	958.46



Population	948
Area of Island (km ²)	0.4
Distance from Male' (km)	190.4
Distance from nearest airport (km)	75.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	75
Peak load time	7:00
Installed Capacity (kW)	140
Installed Generator sets (kW)	60, 80
Monthly Average Usage (kWh)	38,859.50
Yearly electricity production (kWh/yr)	466,314.00
Oil Consumption (l/yr)	120,000.00
Lube Oil Consumption (l/yr)	420.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2003
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	319.49



Population	824
Area of Island (km ²)	0.3
Distance from Male' (km)	162.2
Distance from nearest airport (km)	47.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	70
Peak load time	18:00
Installed Capacity (kW)	185.7
Installed Generator sets (kW)	108, 77.7
Monthly Average Usage (kWh)	26,800.00
Yearly electricity production (kWh/yr)	321,600.00
Oil Consumption (l/yr)	152,400.00
Lube Oil Consumption (l/yr)	768.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1985
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	405.75



Population	1542
Area of Island (km ²)	0.3
Distance from Male' (km)	173.3
Distance from nearest airport (km)	58.5
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	400
Peak load time	11:30
Installed Capacity (kW)	436
Installed Generator sets (kW)	256, 180
Monthly Average Usage (kWh)	162,581.00
Yearly electricity production (kWh/yr)	1,950,972.00
Oil Consumption (l/yr)	696,000.00
Lube Oil Consumption (l/yr)	3,072.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2009
Distribution Cable size (mm ²)	35, 70, 95, 120
CO ₂ emission (tCO ₂)	1,853.03



Population	538
Area of Island (km ²)	0.4
Distance from Male' (km)	196.1
Distance from nearest airport (km)	81.3
Electricity Provider	FENAKA
Daily Peak Load (kW)	41
Peak load time	11:45
Installed Capacity (kW)	128
Installed Generator sets (kW)	80, 48
Monthly Average Usage (kWh)	15,660.00
Yearly electricity production (kWh/yr)	187,920.00
Oil Consumption (l/yr)	85,200.00
Lube Oil Consumption (l/yr)	432.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	226.84



Population	1050
Area of Island (km ²)	0.5
Distance from Male' (km)	115.6
Distance from nearest airport (km)	0
Electricity Provider	FENAKA
Daily Peak Load (kW)	160
Peak load time	20:00
Installed Capacity (kW)	353
Installed Generator sets (kW)	100, 125, 128
Monthly Average Usage (kWh)	57,389.00
Yearly electricity production (kWh/yr)	688,668.00
Oil Consumption (l/yr)	282,000.00
Lube Oil Consumption (l/yr)	2,160.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	750.80



Population	520
Area of Island (km ²)	0.2
Distance from Male' (km)	121.3
Distance from nearest airport (km)	5.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	56
Peak load time	20:30
Installed Capacity (kW)	127
Installed Generator sets (kW)	23, 24, 32, 48
Monthly Average Usage (kWh)	15,250.00
Yearly electricity production (kWh/yr)	183,000.00
Oil Consumption (l/yr)	82,536.00
Lube Oil Consumption (l/yr)	900.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16,25
CO ₂ emission (tCO ₂)	219.74



Population	3142
Area of Island (km ²)	0.3
Distance from Male' (km)	113.3
Distance from nearest airport (km)	9.3
Electricity Provider	FENAKA
Daily Peak Load (kW)	504
Peak load time	12:00
Installed Capacity (kW)	750
Installed Generator sets (kW)	200, 250, 300
Monthly Average Usage (kWh)	211,820.00
Yearly electricity production (kWh/yr)	2,541,840.00
Oil Consumption (l/yr)	864,000.00
Lube Oil Consumption (l/yr)	3,480.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1994
Distribution Cable size (mm ²)	16,25,35,50,70,95,120
CO ₂ emission (tCO ₂)	2,300.31



Population	271
Area of Island (km ²)	0.2
Distance from Male' (km)	98.7
Distance from nearest airport (km)	34.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	22
Peak load time	12:00
Installed Capacity (kW)	48
Installed Generator sets (kW)	24, 24
Monthly Average Usage (kWh)	6,900.00
Yearly electricity production (kWh/yr)	82,800.00
Oil Consumption (l/yr)	36,000.00
Lube Oil Consumption (l/yr)	600.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1990
Distribution Cable size (mm ²)	6
CO ₂ emission (tCO ₂)	95.85



Population	350
Area of Island (km ²)	0.3
Distance from Male' (km)	101.1
Distance from nearest airport (km)	37
Electricity Provider	FENAKA
Daily Peak Load (kW)	28
Peak load time	12:00
Installed Capacity (kW)	64
Installed Generator sets (kW)	32, 32
Monthly Average Usage (kWh)	10,700.00
Yearly electricity production (kWh/yr)	128,400.00
Oil Consumption (l/yr)	60,000.00
Lube Oil Consumption (l/yr)	480.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	159.74



Population	738
Area of Island (km ²)	1.6
Distance from Male' (km)	96.5
Distance from nearest airport (km)	33.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	75
Peak load time	12:00
Installed Capacity (kW)	288
Installed Generator sets (kW)	160, 48, 80
Monthly Average Usage (kWh)	52,000.00
Yearly electricity production (kWh/yr)	624,000.00
Oil Consumption (l/yr)	155,280.00
Lube Oil Consumption (l/yr)	960.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2008
Distribution Cable size (mm ²)	50
CO ₂ emission (tCO ₂)	413.42



Population	1290
Area of Island (km ²)	0.3
Distance from Male' (km)	113
Distance from nearest airport (km)	26.7
Electricity Provider	FENAKA
Daily Peak Load (kW)	85
Peak load time	NA
Installed Capacity (kW)	204
Installed Generator sets (kW)	100, 104
Monthly Average Usage (kWh)	41,554.00
Yearly electricity production (kWh/yr)	498,648.00
Oil Consumption (l/yr)	176,287.00
Lube Oil Consumption (l/yr)	881.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	16,35
CO ₂ emission (tCO ₂)	469.35



Population	506
Area of Island (km ²)	0.2
Distance from Male' (km)	129.5
Distance from nearest airport (km)	14.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	40
Peak load time	NA
Installed Capacity (kW)	169
Installed Generator sets (kW)	80, 64, 25
Monthly Average Usage (kWh)	32,160.00
Yearly electricity production (kWh/yr)	385,920.00
Oil Consumption (l/yr)	126,660.00
Lube Oil Consumption (l/yr)	648.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	337.22



Population	1160
Area of Island (km ²)	0.2
Distance from Male' (km)	134.3
Distance from nearest airport (km)	19.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	115
Peak load time	21:30
Installed Capacity (kW)	260
Installed Generator sets (kW)	180, 80
Monthly Average Usage (kWh)	50,000.00
Yearly electricity production (kWh/yr)	600,000.00
Oil Consumption (l/yr)	240,000.00
Lube Oil Consumption (l/yr)	1,080.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16,25,50
CO ₂ emission (tCO ₂)	638.98



Population	446
Area of Island (km ²)	0.3
Distance from Male' (km)	122.4
Distance from nearest airport (km)	7.4
Electricity Provider	FENAKA
Daily Peak Load (kW)	35
Peak load time	19:30
Installed Capacity (kW)	106
Installed Generator sets (kW)	34, 32, 40
Monthly Average Usage (kWh)	16,246.00
Yearly electricity production (kWh/yr)	194,952.00
Oil Consumption (l/yr)	75,732.00
Lube Oil Consumption (l/yr)	360.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	201.63



Population	569
Area of Island (km ²)	0.2
Distance from Male' (km)	133.7
Distance from nearest airport (km)	18.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	58
Peak load time	21:50
Installed Capacity (kW)	146
Installed Generator sets (kW)	58, 48, 40
Monthly Average Usage (kWh)	20,388.00
Yearly electricity production (kWh/yr)	244,656.00
Oil Consumption (l/yr)	97,662.00
Lube Oil Consumption (l/yr)	904.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1995
Distribution Cable size (mm ²)	16,25,35
CO ₂ emission (tCO ₂)	260.02



Population	650
Area of Island (km ²)	0.3
Distance from Male' (km)	114.5
Distance from nearest airport (km)	2.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	60
Peak load time	20:00
Installed Capacity (kW)	170
Installed Generator sets (kW)	60, 30, 80
Monthly Average Usage (kWh)	30,000.00
Yearly electricity production (kWh/yr)	360,000.00
Oil Consumption (l/yr)	132,000.00
Lube Oil Consumption (l/yr)	720.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	351.44



Population	2742
Area of Island (km ²)	0.2
Distance from Male' (km)	119.8
Distance from nearest airport (km)	33.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	187
Peak load time	11:00
Installed Capacity (kW)	450
Installed Generator sets (kW)	250, 200
Monthly Average Usage (kWh)	106,358.00
Yearly electricity production (kWh/yr)	1,276,296.00
Oil Consumption (l/yr)	337,500.00
Lube Oil Consumption (l/yr)	1,632.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2001
Distribution Cable size (mm ²)	35,50,70,90
CO ₂ emission (tCO ₂)	898.56



Population	4645
Area of Island (km ²)	0.2
Distance from Male' (km)	144.8
Distance from nearest airport (km)	48.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	440
Peak load time	12:30
Installed Capacity (kW)	760
Installed Generator sets (kW)	200, 360, 200
Monthly Average Usage (kWh)	21,300.00
Yearly electricity production (kWh/yr)	255,600.00
Oil Consumption (l/yr)	753,835.00
Lube Oil Consumption (l/yr)	1,320.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2003
Distribution Cable size (mm ²)	16, 35, 50, 75, 95
CO ₂ emission (tCO ₂)	2,007.01



Population	1965
Area of Island (km ²)	0.2
Distance from Male' (km)	152
Distance from nearest airport (km)	42.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	187
Peak load time	12:00
Installed Capacity (kW)	352
Installed Generator sets (kW)	104, 148, 100
Monthly Average Usage (kWh)	79,532.00
Yearly electricity production (kWh/yr)	954,384.00
Oil Consumption (l/yr)	477,255.00
Lube Oil Consumption (l/yr)	3,461.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2002
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	1,270.64



Population	87
Area of Island (km ²)	0.6
Distance from Male' (km)	132
Distance from nearest airport (km)	39.4
Electricity Provider	FENAKA
Daily Peak Load (kW)	NA
Peak load time	11:00
Installed Capacity (kW)	100
Installed Generator sets (kW)	35, 65
Monthly Average Usage (kWh)	6,556.00
Yearly electricity production (kWh/yr)	78,672.00
Oil Consumption (l/yr)	42,669.00
Lube Oil Consumption (l/yr)	942.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1992
Distribution Cable size (mm ²)	6
CO ₂ emission (tCO ₂)	113.60



Population	5084
Area of Island (km ²)	0.5
Distance from Male' (km)	141.7
Distance from nearest airport (km)	42.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	580
Peak load time	19:00
Installed Capacity (kW)	1220
Installed Generator sets (kW)	720, 200, 300
Monthly Average Usage (kWh)	342,053.00
Yearly electricity production (kWh/yr)	4,104,636.00
Oil Consumption (l/yr)	1,146,000.00
Lube Oil Consumption (l/yr)	3,800.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1995
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	3,051.11



Population	664
Area of Island (km ²)	0.3
Distance from Male' (km)	122.6
Distance from nearest airport (km)	53.7
Electricity Provider	FENAKA
Daily Peak Load (kW)	28
Peak load time	11:45
Installed Capacity (kW)	140
Installed Generator sets (kW)	100, 40
Monthly Average Usage (kWh)	25,936.00
Yearly electricity production (kWh/yr)	311,232.00
Oil Consumption (l/yr)	144,000.00
Lube Oil Consumption (l/yr)	1,440.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	383.39



Population	1196
Area of Island (km ²)	0.2
Distance from Male' (km)	37
Distance from nearest airport (km)	37
Electricity Provider	STELCO
Daily Peak Load (kW)	100
Peak load time	20:00
Installed Capacity (kW)	280
Installed Generator sets (kW)	120, 160
Monthly Average Usage (kWh)	52,222.00
Yearly electricity production (kWh/yr)	626,664.00
Oil Consumption (l/yr)	203,256.00
Lube Oil Consumption (l/yr)	1,240.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16,25,35,70
CO ₂ emission (tCO ₂)	541.15



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Population	1291
Area of Island (km ²)	0.2
Distance from Male' (km)	61.1
Distance from nearest airport (km)	61.1
Electricity Provider	STELCO
Daily Peak Load (kW)	137
Peak load time	12:00
Installed Capacity (kW)	230
Installed Generator sets (kW)	80, 150
Monthly Average Usage (kWh)	58,040.00
Yearly electricity production (kWh/yr)	696,480.00
Oil Consumption (l/yr)	251,544.00
Lube Oil Consumption (l/yr)	827.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1988
Distribution Cable size (mm ²)	16,25,35
CO ₂ emission (tCO ₂)	669.71



Population	863
Area of Island (km ²)	0.1
Distance from Male' (km)	22.2
Distance from nearest airport (km)	22.2
Electricity Provider	STELCO
Daily Peak Load (kW)	110
Peak load time	12:00
Installed Capacity (kW)	392
Installed Generator sets (kW)	128, 128, 56, 80
Monthly Average Usage (kWh)	43,612.00
Yearly electricity production (kWh/yr)	523,344.00
Oil Consumption (l/yr)	171,000.00
Lube Oil Consumption (l/yr)	1,235.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2004
Distribution Cable size (mm ²)	16,25,35
CO ₂ emission (tCO ₂)	455.27



Population	1764
Area of Island (km ²)	0.2
Distance from Male' (km)	32
Distance from nearest airport (km)	32
Electricity Provider	STELCO
Daily Peak Load (kW)	285
Peak load time	7:00
Installed Capacity (kW)	434
Installed Generator sets (kW)	184, 250
Monthly Average Usage (kWh)	127,889.00
Yearly electricity production (kWh/yr)	1,534,668.00
Oil Consumption (l/yr)	471,250.00
Lube Oil Consumption (l/yr)	2,720.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1998
Distribution Cable size (mm ²)	35,50,70,95
CO ₂ emission (tCO ₂)	1,254.66



Population	1003
Area of Island (km ²)	0.3
Distance from Male' (km)	15.7
Distance from nearest airport (km)	15.7
Electricity Provider	STELCO
Daily Peak Load (kW)	387
Peak load time	18:00
Installed Capacity (kW)	1010
Installed Generator sets (kW)	200, 250, 200, 360
Monthly Average Usage (kWh)	142,437.00
Yearly electricity production (kWh/yr)	1,709,244.00
Oil Consumption (l/yr)	516,663.00
Lube Oil Consumption (l/yr)	2,242.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2001
Distribution Cable size (mm ²)	35,50,75,95,120
CO ₂ emission (tCO ₂)	1,375.56



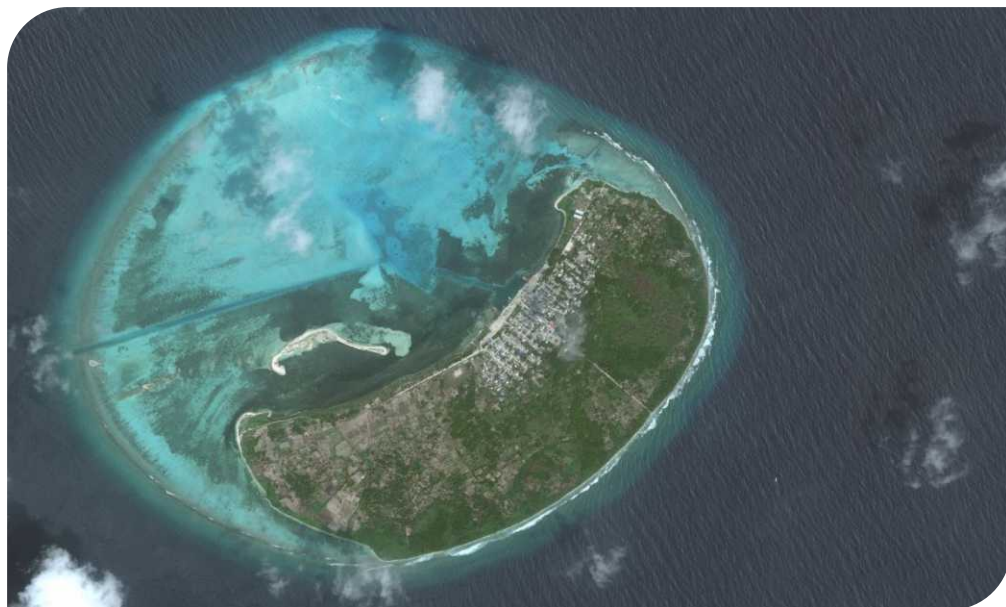
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Population	2866
Area of Island (km ²)	2.0
Distance from Male' (km)	4.1
Distance from nearest airport (km)	4.1
Electricity Provider	STELCO
Daily Peak Load (kW)	2410
Peak load time	9:00
Installed Capacity (kW)	5600
Installed Generator sets (kW)	800, 1000, 1200, 1000, 1600
Monthly Average Usage (kWh)	1,171,690.00
Yearly electricity production (kWh/yr)	14,060,280.00
Oil Consumption (l/yr)	4,265,144.00
Lube Oil Consumption (l/yr)	13,123.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2004
Distribution Cable size (mm ²)	70,95,120,150,185
CO ₂ emission (tCO ₂)	11,355.52



Population	971
Area of Island (km ²)	0.3
Distance from Male' (km)	19.1
Distance from nearest airport (km)	19.1
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	340
Peak load time	19:00
Installed Capacity (kW)	1046
Installed Generator sets (kW)	350, 123, 450, 123
Monthly Average Usage (kWh)	149,316.00
Yearly electricity production (kWh/yr)	1,791,792.00
Oil Consumption (l/yr)	720,000.00
Lube Oil Consumption (l/yr)	2,520.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	35, 50
CO ₂ emission (tCO ₂)	1,916.93



Population	2243
Area of Island (km ²)	2.8
Distance from Male' (km)	85.4
Distance from nearest airport (km)	43.2
Electricity Provider	STELCO
Daily Peak Load (kW)	290
Peak load time	12:00
Installed Capacity (kW)	610
Installed Generator sets (kW)	200, 160, 250
Monthly Average Usage (kWh)	110,581.00
Yearly electricity production (kWh/yr)	1,326,972.00
Oil Consumption (l/yr)	379,499.00
Lube Oil Consumption (l/yr)	1,508.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25,35,50,70,120
CO ₂ emission (tCO ₂)	1,010.38



Population	1555
Area of Island (km ²)	0.4
Distance from Male' (km)	26.1
Distance from nearest airport (km)	26.1
Electricity Provider	STELCO
Daily Peak Load (kW)	675
Peak load time	7:00
Installed Capacity (kW)	1600
Installed Generator sets (kW)	200, 400, 400, 600
Monthly Average Usage (kWh)	248,925.00
Yearly electricity production (kWh/yr)	2,987,100.00
Oil Consumption (l/yr)	930,959.00
Lube Oil Consumption (l/yr)	2,906.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1996
Distribution Cable size (mm ²)	35,50,70,95,120,150
CO ₂ emission (tCO ₂)	2,478.59



Population	103693
Area of Island (km ²)	1.9
Electricity Provider	STELCO
Daily Peak Load (kW)	40761
Peak load time	12:00
Installed Capacity (kW)	61420
Installed Generator sets (kW)	1000 x 8 , 1600 x 4 , 2160 x 3 4320 x 1 , 5760 x 1 , 6500 x 2 8730 x 2
Monthly Average Usage (kWh)	18,713,527.00
Yearly electricity production (kWh/yr)	224,562,324.00
Oil Consumption (l/yr)	62,492,521.00
Lube Oil Consumption (l/yr)	262,831.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1949
Distribution Cable size (mm ²)	75185
CO ₂ emission (tCO ₂)	166,380.09



Population	1357
Area of Island (km ²)	0.4
Distance from Male' (km)	26.7
Distance from nearest airport (km)	26.7
Electricity Provider	STELCO
Daily Peak Load (kW)	300
Peak load time	8:00
Installed Capacity (kW)	620
Installed Generator sets (kW)	100, 200, 320
Monthly Average Usage (kWh)	121,208.00
Yearly electricity production (kWh/yr)	1,454,496.00
Oil Consumption (l/yr)	443,808.00
Lube Oil Consumption (l/yr)	1,964.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2002
Distribution Cable size (mm ²)	95
CO ₂ emission (tCO ₂)	1,181.59



Population	6956
Area of Island (km ²)	0.3
Distance from Male' (km)	3.7
Distance from nearest airport (km)	3.7
Electricity Provider	STELCO
Daily Peak Load (kW)	1545
Peak load time	7:00
Installed Capacity (kW)	2800
Installed Generator sets (kW)	400, 400, 1000, 1000
Monthly Average Usage (kWh)	711,991.00
Yearly electricity production (kWh/yr)	8,543,892.00
Oil Consumption (l/yr)	2,571,506.00
Lube Oil Consumption (l/yr)	7,509.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1999
Distribution Cable size (mm ²)	16,35,70,95,120,150,185
CO ₂ emission (tCO ₂)	6,846.38



Population	715
Area of Island (km ²)	0.1
Distance from Male' (km)	81.3
Distance from nearest airport (km)	79.8
Electricity Provider	STELCO
Daily Peak Load (kW)	67
Peak load time	8:00
Installed Capacity (kW)	400
Installed Generator sets (kW)	48, 80, 160, 112
Monthly Average Usage (kWh)	31,609.00
Yearly electricity production (kWh/yr)	379,308.00
Oil Consumption (l/yr)	129,218.00
Lube Oil Consumption (l/yr)	557.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	50
CO ₂ emission (tCO ₂)	344.03



Population	756
Area of Island (km ²)	0.4
Distance from Male' (km)	89.8
Distance from nearest airport (km)	66.1
Electricity Provider	STELCO
Daily Peak Load (kW)	62
Peak load time	8:00
Installed Capacity (kW)	275
Installed Generator sets (kW)	187, 88
Monthly Average Usage (kWh)	22,929.00
Yearly electricity production (kWh/yr)	275,148.00
Oil Consumption (l/yr)	101,819.00
Lube Oil Consumption (l/yr)	536.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm ²)	25,35,50,70,95
CO ₂ emission (tCO ₂)	271.08



Population	729
Area of Island (km ²)	0.2
Distance from Male' (km)	90
Distance from nearest airport (km)	50.9
Electricity Provider	STELCO
Daily Peak Load (kW)	96
Peak load time	7:30
Installed Capacity (kW)	232
Installed Generator sets (kW)	120, 112
Monthly Average Usage (kWh)	30,620.00
Yearly electricity production (kWh/yr)	367,440.00
Oil Consumption (l/yr)	133,977.00
Lube Oil Consumption (l/yr)	557.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2002
Distribution Cable size (mm ²)	55,65
CO ₂ emission (tCO ₂)	356.70



Population	680
Area of Island (km ²)	0.3
Distance from Male' (km)	91.5
Distance from nearest airport (km)	58.9
Electricity Provider	STELCO
Daily Peak Load (kW)	66
Peak load time	12:00
Installed Capacity (kW)	160
Installed Generator sets (kW)	80, 80
Monthly Average Usage (kWh)	23,426.00
Yearly electricity production (kWh/yr)	281,112.00
Oil Consumption (l/yr)	100,290.00
Lube Oil Consumption (l/yr)	375.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	90
CO ₂ emission (tCO ₂)	267.01



Population	843
Area of Island (km ²)	0.2
Distance from Male' (km)	86.9
Distance from nearest airport (km)	82.2
Electricity Provider	STELCO
Daily Peak Load (kW)	113
Peak load time	12:00
Installed Capacity (kW)	320
Installed Generator sets (kW)	80, 80, 160
Monthly Average Usage (kWh)	35,700.00
Yearly electricity production (kWh/yr)	428,400.00
Oil Consumption (l/yr)	158,171.00
Lube Oil Consumption (l/yr)	687.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2007
Distribution Cable size (mm ²)	16,25,35
CO ₂ emission (tCO ₂)	421.11



Population	1096
Area of Island (km ²)	0.2
Distance from Male' (km)	58
Distance from nearest airport (km)	58
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	180
Peak load time	20:00
Installed Capacity (kW)	505
Installed Generator sets (kW)	250, 255
Monthly Average Usage (kWh)	112,983.00
Yearly electricity production (kWh/yr)	1,355,796.00
Oil Consumption (l/yr)	480,000.00
Lube Oil Consumption (l/yr)	2,400.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2001
Distribution Cable size (mm ²)	25, 35, 50, 95, 150
CO ₂ emission (tCO ₂)	1,277.95



Population	1785
Area of Island (km ²)	1.7
Distance from Male' (km)	67.8
Distance from nearest airport (km)	67.8
Electricity Provider	Sosun Club, Bright Club
Daily Peak Load (kW)	220
Peak load time	11:00
Installed Capacity (kW)	730
Installed Generator sets (kW)	100,120,150,160,120,80
Monthly Average Usage (kWh)	70,000.00
Yearly electricity production (kWh/yr)	840,000.00
Oil Consumption (l/yr)	350,400.00
Lube Oil Consumption (l/yr)	1,584.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1997
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	932.90



Population	943
Area of Island (km ²)	0.2
Distance from Male' (km)	72
Distance from nearest airport (km)	72
Electricity Provider	STELCO
Daily Peak Load (kW)	130
Peak load time	12:00
Installed Capacity (kW)	192
Installed Generator sets (kW)	80, 112
Monthly Average Usage (kWh)	48,917.00
Yearly electricity production (kWh/yr)	587,004.00
Oil Consumption (l/yr)	182,241.00
Lube Oil Consumption (l/yr)	1,261.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2002
Distribution Cable size (mm ²)	6,16,25,35,50
CO ₂ emission (tCO ₂)	485.20



Population	994
Area of Island (km ²)	0.3
Distance from Male' (km)	89.1
Distance from nearest airport (km)	20.9
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	130
Peak load time	12:00
Installed Capacity (kW)	380
Installed Generator sets (kW)	180, 200
Monthly Average Usage (kWh)	73,936.00
Yearly electricity production (kWh/yr)	887,232.00
Oil Consumption (l/yr)	252,000.00
Lube Oil Consumption (l/yr)	720.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2002
Distribution Cable size (mm ²)	16, 25, 35, 50, 95
CO ₂ emission (tCO ₂)	670.92



Population	608
Area of Island (km ²)	0.6
Distance from Male' (km)	96.9
Distance from nearest airport (km)	13.3
Electricity Provider	STELCO
Daily Peak Load (kW)	84
Peak load time	8:00
Installed Capacity (kW)	172
Installed Generator sets (kW)	60, 112
Monthly Average Usage (kWh)	31,330.00
Yearly electricity production (kWh/yr)	375,960.00
Oil Consumption (l/yr)	143,760.00
Lube Oil Consumption (l/yr)	1,800.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	25,35,50,70
CO ₂ emission (tCO ₂)	382.75



Population	192
Area of Island (km ²)	0.2
Distance from Male' (km)	104.8
Distance from nearest airport (km)	5.9
Electricity Provider	STELCO
Daily Peak Load (kW)	21
Peak load time	12:00
Installed Capacity (kW)	64
Installed Generator sets (kW)	32, 32
Monthly Average Usage (kWh)	6,773.00
Yearly electricity production (kWh/yr)	81,276.00
Oil Consumption (l/yr)	30,757.00
Lube Oil Consumption (l/yr)	333.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1990
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	81.89



Population	918
Area of Island (km ²)	0.2
Distance from Male' (km)	112.6
Distance from nearest airport (km)	5.9
Electricity Provider	STELCO
Daily Peak Load (kW)	103
Peak load time	8:30
Installed Capacity (kW)	259
Installed Generator sets (kW)	179, 80
Monthly Average Usage (kWh)	42,993.00
Yearly electricity production (kWh/yr)	515,916.00
Oil Consumption (l/yr)	164,717.00
Lube Oil Consumption (l/yr)	490.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	6,16,35,50,70
CO ₂ emission (tCO ₂)	438.54



Population	670
Area of Island (km ²)	0.2
Distance from Male' (km)	71.3
Distance from nearest airport (km)	45
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	62
Peak load time	9:00
Installed Capacity (kW)	224
Installed Generator sets (kW)	124, 100
Monthly Average Usage (kWh)	33,859.00
Yearly electricity production (kWh/yr)	406,308.00
Oil Consumption (l/yr)	132,000.00
Lube Oil Consumption (l/yr)	816.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2002
Distribution Cable size (mm ²)	6, 16, 25, 50
CO ₂ emission (tCO ₂)	351.44



Population	580
Area of Island (km ²)	0.1
Distance from Male' (km)	78.5
Distance from nearest airport (km)	36.9
Electricity Provider	STELCO
Daily Peak Load (kW)	40
Peak load time	12:00
Installed Capacity (kW)	170
Installed Generator sets (kW)	40, 50, 80
Monthly Average Usage (kWh)	21,044.00
Yearly electricity production (kWh/yr)	252,528.00
Oil Consumption (l/yr)	88,970.00
Lube Oil Consumption (l/yr)	330.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm ²)	25,16
CO ₂ emission (tCO ₂)	236.87



Population	2703
Area of Island (km ²)	0.7
Distance from Male' (km)	110
Distance from nearest airport (km)	0
Electricity Provider	Villa
Daily Peak Load (kW)	600
Peak load time	6:00
Installed Capacity (kW)	1050
Installed Generator sets (kW)	250, 250, 250, 300
Monthly Average Usage (kWh)	247,602.00
Yearly electricity production (kWh/yr)	2,971,224.00
Oil Consumption (l/yr)	864,000.00
Lube Oil Consumption (l/yr)	108,000.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1992
Distribution Cable size (mm ²)	35, 70, 95, 150
CO ₂ emission (tCO ₂)	2,300.31



Population	2235
Area of Island (km ²)	0.2
Distance from Male' (km)	77.6
Distance from nearest airport (km)	34.8
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	370
Peak load time	11:00
Installed Capacity (kW)	860
Installed Generator sets (kW)	450, 130, 280
Monthly Average Usage (kWh)	157,160.00
Yearly electricity production (kWh/yr)	1,885,920.00
Oil Consumption (l/yr)	576,000.00
Lube Oil Consumption (l/yr)	1,200.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2001
Distribution Cable size (mm ²)	35, 50, 70
CO ₂ emission (tCO ₂)	1,533.54



Population	442
Area of Island (km ²)	0.4
Distance from Male' (km)	103.7
Distance from nearest airport (km)	28.9
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	45
Peak load time	18:00
Installed Capacity (kW)	100
Installed Generator sets (kW)	50, 50
Monthly Average Usage (kWh)	18,156.00
Yearly electricity production (kWh/yr)	217,872.00
Oil Consumption (l/yr)	90,000.00
Lube Oil Consumption (l/yr)	576.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2001
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	239.62



Population	964
Area of Island (km ²)	0.2
Distance from Male' (km)	75.4
Distance from nearest airport (km)	38.2
Electricity Provider	STELCO
Daily Peak Load (kW)	94
Peak load time	12:00
Installed Capacity (kW)	310
Installed Generator sets (kW)	150, 80, 80
Monthly Average Usage (kWh)	36,826.00
Yearly electricity production (kWh/yr)	441,912.00
Oil Consumption (l/yr)	144,226.00
Lube Oil Consumption (l/yr)	745.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm ²)	16,25,35
CO ₂ emission (tCO ₂)	383.99



Population	619
Area of Island (km ²)	0.1
Distance from Male' (km)	79.6
Distance from nearest airport (km)	79.5
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	102
Peak load time	8:30
Installed Capacity (kW)	430
Installed Generator sets (kW)	150, 120, 80, 80
Monthly Average Usage (kWh)	48,307.00
Yearly electricity production (kWh/yr)	579,684.00
Oil Consumption (l/yr)	171,360.00
Lube Oil Consumption (l/yr)	1,200.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2005
Distribution Cable size (mm ²)	25, 35, 70
CO ₂ emission (tCO ₂)	456.23



Population	454
Area of Island (km ²)	0.1
Distance from Male' (km)	56.7
Distance from nearest airport (km)	69.1
Electricity Provider	STELCO
Daily Peak Load (kW)	59
Peak load time	12:00
Installed Capacity (kW)	280
Installed Generator sets (kW)	80, 80, 120
Monthly Average Usage (kWh)	34,400.00
Yearly electricity production (kWh/yr)	412,800.00
Oil Consumption (l/yr)	143,328.00
Lube Oil Consumption (l/yr)	1,944.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2009
Distribution Cable size (mm ²)	16, 35
CO ₂ emission (tCO ₂)	381.60



Population	790
Area of Island (km ²)	0.1
Distance from Male' (km)	79.6
Distance from nearest airport (km)	79.5
Electricity Provider	STELCO
Daily Peak Load (kW)	67
Peak load time	7:30
Installed Capacity (kW)	169
Installed Generator sets (kW)	64, 105
Monthly Average Usage (kWh)	34,338.00
Yearly electricity production (kWh/yr)	412,056.00
Oil Consumption (l/yr)	119,484.00
Lube Oil Consumption (l/yr)	1,968.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	318.11



Population	375
Area of Island (km ²)	0.1
Distance from Male' (km)	96.5
Distance from nearest airport (km)	72.2
Electricity Provider	STELCO
Daily Peak Load (kW)	24
Peak load time	10:00
Installed Capacity (kW)	69
Installed Generator sets (kW)	40, 29
Monthly Average Usage (kWh)	10,242.00
Yearly electricity production (kWh/yr)	122,904.00
Oil Consumption (l/yr)	58,987.00
Lube Oil Consumption (l/yr)	362.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	157.05



Population	207
Area of Island (km ²)	0.1
Distance from Male' (km)	77.8
Distance from nearest airport (km)	77.6
Electricity Provider	STELCO
Daily Peak Load (kW)	36
Peak load time	18:00
Installed Capacity (kW)	150
Installed Generator sets (kW)	35, 58, 60
Monthly Average Usage (kWh)	10,250.00
Yearly electricity production (kWh/yr)	123,000.00
Oil Consumption (l/yr)	46,029.00
Lube Oil Consumption (l/yr)	219.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2012
Distribution Cable size (mm ²)	25,35
CO ₂ emission (tCO ₂)	122.55



Population	1318
Area of Island (km ²)	0.1
Distance from Male' (km)	118.7
Distance from nearest airport (km)	90.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	115
Peak load time	12:00
Installed Capacity (kW)	200
Installed Generator sets (kW)	80, 120
Monthly Average Usage (kWh)	79,513.00
Yearly electricity production (kWh/yr)	954,156.00
Oil Consumption (l/yr)	216,000.00
Lube Oil Consumption (l/yr)	1,680.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2009
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	575.08



Population	1360
Area of Island (km ²)	0.9
Distance from Male' (km)	157.6
Distance from nearest airport (km)	70.4
Electricity Provider	FENAKA
Daily Peak Load (kW)	120
Peak load time	18:00
Installed Capacity (kW)	310
Installed Generator sets (kW)	150, 80, 80
Monthly Average Usage (kWh)	71,940.00
Yearly electricity production (kWh/yr)	863,280.00
Oil Consumption (l/yr)	300,000.00
Lube Oil Consumption (l/yr)	1,800.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	798.72



Population	699
Area of Island (km ²)	0.1
Distance from Male' (km)	118.7
Distance from nearest airport (km)	90.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	47
Peak load time	18:00
Installed Capacity (kW)	88
Installed Generator sets (kW)	40, 48
Monthly Average Usage (kWh)	19,542.00
Yearly electricity production (kWh/yr)	234,504.00
Oil Consumption (l/yr)	91,140.00
Lube Oil Consumption (l/yr)	1,008.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	242.65



Population	1668
Area of Island (km ²)	0.7
Distance from Male' (km)	137.2
Distance from nearest airport (km)	96.3
Electricity Provider	FENAKA
Daily Peak Load (kW)	150
Peak load time	20:00
Installed Capacity (kW)	240
Installed Generator sets (kW)	80, 80, 80
Monthly Average Usage (kWh)	80,900.00
Yearly electricity production (kWh/yr)	970,800.00
Oil Consumption (l/yr)	324,000.00
Lube Oil Consumption (l/yr)	2,520.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2009
Distribution Cable size (mm ²)	50, 70, 90, 150
CO ₂ emission (tCO ₂)	862.62



Population	935
Area of Island (km ²)	0.4
Distance from Male' (km)	140.9
Distance from nearest airport (km)	93
Electricity Provider	FENAKA
Daily Peak Load (kW)	188
Peak load time	14:00
Installed Capacity (kW)	320
Installed Generator sets (kW)	160, 160
Monthly Average Usage (kWh)	78,868.00
Yearly electricity production (kWh/yr)	946,416.00
Oil Consumption (l/yr)	324,000.00
Lube Oil Consumption (l/yr)	1,920.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2008
Distribution Cable size (mm ²)	16,25,50,70,95
CO ₂ emission (tCO ₂)	862.62



Population	508
Area of Island (km ²)	0.1
Distance from Male' (km)	144.6
Distance from nearest airport (km)	88.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	37
Peak load time	19:00
Installed Capacity (kW)	152
Installed Generator sets (kW)	40, 40, 44, 28
Monthly Average Usage (kWh)	20,155.00
Yearly electricity production (kWh/yr)	241,860.00
Oil Consumption (l/yr)	81,168.00
Lube Oil Consumption (l/yr)	672.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	216.10



Population	219
Area of Island (km ²)	0.3
Distance from Male' (km)	121.1
Distance from nearest airport (km)	97.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	20
Peak load time	12:00
Installed Capacity (kW)	49
Installed Generator sets (kW)	27, 22
Monthly Average Usage (kWh)	5,824.00
Yearly electricity production (kWh/yr)	69,888.00
Oil Consumption (l/yr)	44,640.00
Lube Oil Consumption (l/yr)	744.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	118.85



Population	300
Area of Island (km ²)	0.4
Distance from Male' (km)	137.4
Distance from nearest airport (km)	97.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	32
Peak load time	18:00
Installed Capacity (kW)	58
Installed Generator sets (kW)	58
Monthly Average Usage (kWh)	15,678.00
Yearly electricity production (kWh/yr)	188,136.00
Oil Consumption (l/yr)	72,684.00
Lube Oil Consumption (l/yr)	288.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2006
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	193.51



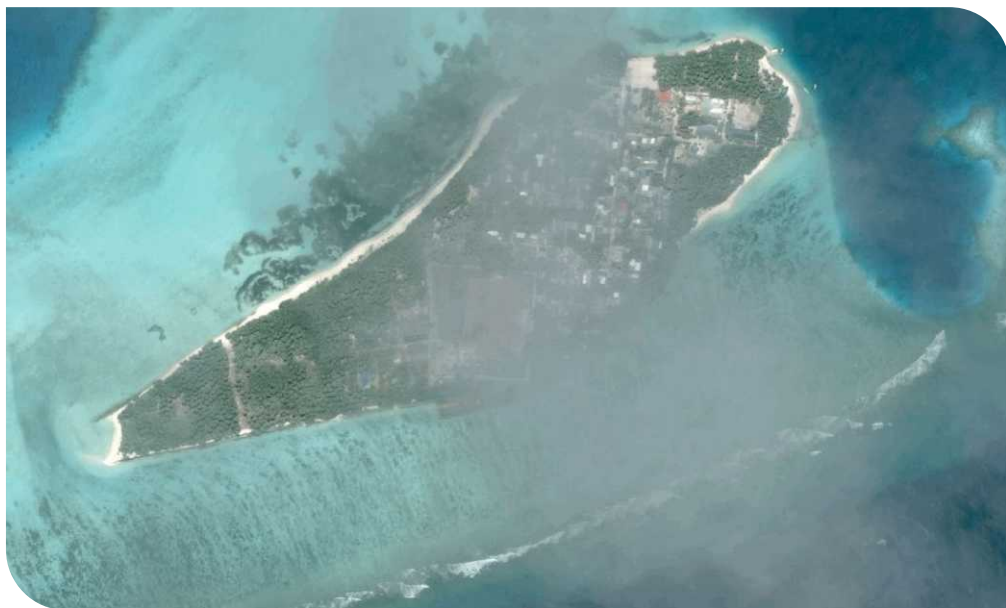
Population	1209
Area of Island (km ²)	0.3
Distance from Male' (km)	132.4
Distance from nearest airport (km)	42.2
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	53
Peak load time	17:00
Installed Capacity (kW)	252
Installed Generator sets (kW)	112, 60, 80
Monthly Average Usage (kWh)	42,030.00
Yearly electricity production (kWh/yr)	504,360.00
Oil Consumption (l/yr)	201,600.00
Lube Oil Consumption (l/yr)	2,400.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1997
Distribution Cable size (mm ²)	6, 16, 25, 35
CO ₂ emission (tCO ₂)	536.74



Population	518
Area of Island (km ²)	0.4
Distance from Male' (km)	140
Distance from nearest airport (km)	45.7
Electricity Provider	FENAKA
Daily Peak Load (kW)	37
Peak load time	13:00
Installed Capacity (kW)	117
Installed Generator sets (kW)	31, 86
Monthly Average Usage (kWh)	32,220.00
Yearly electricity production (kWh/yr)	386,640.00
Oil Consumption (l/yr)	104,820.00
Lube Oil Consumption (l/yr)	336.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1984
Distribution Cable size (mm ²)	44, 64
CO ₂ emission (tCO ₂)	279.07



Population	1155
Area of Island (km ²)	0.1
Distance from Male' (km)	116.1
Distance from nearest airport (km)	26.3
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	104
Peak load time	19:00
Installed Capacity (kW)	293
Installed Generator sets (kW)	166, 127
Monthly Average Usage (kWh)	56,000.00
Yearly electricity production (kWh/yr)	672,000.00
Oil Consumption (l/yr)	228,000.00
Lube Oil Consumption (l/yr)	600.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1999
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	607.03



Population	759
Area of Island (km ²)	0.2
Distance from Male' (km)	136.7
Distance from nearest airport (km)	45
Electricity Provider	FENAKA
Daily Peak Load (kW)	80
Peak load time	12:00
Installed Capacity (kW)	260
Installed Generator sets (kW)	100, 160
Monthly Average Usage (kWh)	35,000.00
Yearly electricity production (kWh/yr)	420,000.00
Oil Consumption (l/yr)	144,000.00
Lube Oil Consumption (l/yr)	600.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2006
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	383.39



Population	1950
Area of Island (km ²)	0.6
Distance from Male' (km)	144.3
Distance from nearest airport (km)	46.7
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	260
Peak load time	11:00
Installed Capacity (kW)	713
Installed Generator sets (kW)	400, 313
Monthly Average Usage (kWh)	187,200.00
Yearly electricity production (kWh/yr)	2,246,400.00
Oil Consumption (l/yr)	407,184.00
Lube Oil Consumption (l/yr)	1,680.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	95
CO ₂ emission (tCO ₂)	1,084.09



Population	908
Area of Island (km ²)	0.2
Distance from Male' (km)	150.9
Distance from nearest airport (km)	61.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	165
Peak load time	18:00
Installed Capacity (kW)	237.6
Installed Generator sets (kW)	77.6, 160
Monthly Average Usage (kWh)	37,587.00
Yearly electricity production (kWh/yr)	451,044.00
Oil Consumption (l/yr)	152,400.00
Lube Oil Consumption (l/yr)	864.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2009
Distribution Cable size (mm ²)	6,25,35,50,70
CO ₂ emission (tCO ₂)	405.75



Population	862
Area of Island (km ²)	0.2
Distance from Male' (km)	163.9
Distance from nearest airport (km)	66.7
Electricity Provider	FENAKA
Daily Peak Load (kW)	95
Peak load time	12:30
Installed Capacity (kW)	128
Installed Generator sets (kW)	128
Monthly Average Usage (kWh)	40,996.00
Yearly electricity production (kWh/yr)	491,952.00
Oil Consumption (l/yr)	157,968.00
Lube Oil Consumption (l/yr)	558.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	6,16
CO ₂ emission (tCO ₂)	420.57



Population	2585
Area of Island (km ²)	0.8
Distance from Male' (km)	181.9
Distance from nearest airport (km)	58.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	550
Peak load time	10:00
Installed Capacity (kW)	502
Installed Generator sets (kW)	144, 160, 198
Monthly Average Usage (kWh)	191,625.00
Yearly electricity production (kWh/yr)	2,299,500.00
Oil Consumption (l/yr)	799,428.00
Lube Oil Consumption (l/yr)	5,580.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2002
Distribution Cable size (mm ²)	95 to 35
CO ₂ emission (tCO ₂)	2,128.40



Population	986
Area of Island (km ²)	0.2
Distance from Male' (km)	175.8
Distance from nearest airport (km)	59.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	75
Peak load time	19:00
Installed Capacity (kW)	274
Installed Generator sets (kW)	132, 58, 84
Monthly Average Usage (kWh)	32,505.00
Yearly electricity production (kWh/yr)	390,060.00
Oil Consumption (l/yr)	144,552.00
Lube Oil Consumption (l/yr)	524.40
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2008
Distribution Cable size (mm ²)	25, 35, 50, 70, 95
CO ₂ emission (tCO ₂)	384.86



Population	1301
Area of Island (km ²)	0.1
Distance from Male' (km)	142.8
Distance from nearest airport (km)	55.7
Electricity Provider	FENAKA
Daily Peak Load (kW)	171
Peak load time	19:00
Installed Capacity (kW)	425
Installed Generator sets (kW)	150, 125, 150
Monthly Average Usage (kWh)	75,570.00
Yearly electricity production (kWh/yr)	906,840.00
Oil Consumption (l/yr)	343,980.00
Lube Oil Consumption (l/yr)	1,494.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2005
Distribution Cable size (mm ²)	6,35,50
CO ₂ emission (tCO ₂)	915.81



Population	542
Area of Island (km ²)	0.2
Distance from Male' (km)	154.8
Distance from nearest airport (km)	59.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	55
Peak load time	11:00
Installed Capacity (kW)	88
Installed Generator sets (kW)	48, 40
Monthly Average Usage (kWh)	18,050.00
Yearly electricity production (kWh/yr)	216,600.00
Oil Consumption (l/yr)	69,360.00
Lube Oil Consumption (l/yr)	240.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm ²)	16,25,35
CO ₂ emission (tCO ₂)	184.66



Population	599
Area of Island (km ²)	0.4
Distance from Male' (km)	185.6
Distance from nearest airport (km)	41.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	60
Peak load time	11:30
Installed Capacity (kW)	188
Installed Generator sets (kW)	80, 108
Monthly Average Usage (kWh)	27,846.64
Yearly electricity production (kWh/yr)	334,159.68
Oil Consumption (l/yr)	226,587.00
Lube Oil Consumption (l/yr)	873.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16,70
CO ₂ emission (tCO ₂)	603.27



Population	840
Area of Island (km ²)	0.3
Distance from Male' (km)	206.5
Distance from nearest airport (km)	25.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	100
Peak load time	9:00
Installed Capacity (kW)	220
Installed Generator sets (kW)	140, 80
Monthly Average Usage (kWh)	23,044.00
Yearly electricity production (kWh/yr)	276,528.00
Oil Consumption (l/yr)	148,800.00
Lube Oil Consumption (l/yr)	924.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	NA
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	396.17



Population	672
Area of Island (km ²)	0.1
Distance from Male' (km)	217.4
Distance from nearest airport (km)	9.3
Electricity Provider	FENAKA
Daily Peak Load (kW)	55
Peak load time	21:30
Installed Capacity (kW)	190
Installed Generator sets (kW)	140, 50
Monthly Average Usage (kWh)	14,868.60
Yearly electricity production (kWh/yr)	178,423.20
Oil Consumption (l/yr)	74,040.00
Lube Oil Consumption (l/yr)	924.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16
CO ₂ emission (tCO ₂)	197.12



Population	1988
Area of Island (km ²)	0.3
Distance from Male' (km)	208.5
Distance from nearest airport (km)	22.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	217
Peak load time	12:30
Installed Capacity (kW)	450
Installed Generator sets (kW)	250, 200
Monthly Average Usage (kWh)	88,972.00
Yearly electricity production (kWh/yr)	1,067,664.00
Oil Consumption (l/yr)	378,000.00
Lube Oil Consumption (l/yr)	2,400.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2002
Distribution Cable size (mm ²)	35,50,70,95,120
CO ₂ emission (tCO ₂)	1,006.39



Population	1123
Area of Island (km ²)	0.3
Distance from Male' (km)	222.6
Distance from nearest airport (km)	25.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	140
Peak load time	19:00
Installed Capacity (kW)	200
Installed Generator sets (kW)	200
Monthly Average Usage (kWh)	73,260.00
Yearly electricity production (kWh/yr)	879,120.00
Oil Consumption (l/yr)	246,396.00
Lube Oil Consumption (l/yr)	1,134.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2009
Distribution Cable size (mm ²)	16 to 70
CO ₂ emission (tCO ₂)	656.00



Population	637
Area of Island (km ²)	0.8
Distance from Male' (km)	217.8
Distance from nearest airport (km)	28.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	85
Peak load time	10:30
Installed Capacity (kW)	80
Installed Generator sets (kW)	80
Monthly Average Usage (kWh)	30,508.00
Yearly electricity production (kWh/yr)	366,096.00
Oil Consumption (l/yr)	119,040.00
Lube Oil Consumption (l/yr)	580.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2010
Distribution Cable size (mm ²)	16, 25
CO ₂ emission (tCO ₂)	316.93



Population	1320
Area of Island (km ²)	0.3
Distance from Male' (km)	229.6
Distance from nearest airport (km)	10
Electricity Provider	FENAKA
Daily Peak Load (kW)	80
Peak load time	18:00
Installed Capacity (kW)	240
Installed Generator sets (kW)	100, 140
Monthly Average Usage (kWh)	39,376.00
Yearly electricity production (kWh/yr)	472,512.00
Oil Consumption (l/yr)	222,000.00
Lube Oil Consumption (l/yr)	240.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1980
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	591.05



Population	1219
Area of Island (km ²)	0.2
Distance from Male' (km)	202.8
Distance from nearest airport (km)	28.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	90
Peak load time	12:00
Installed Capacity (kW)	210
Installed Generator sets (kW)	150, 60
Monthly Average Usage (kWh)	50,430.00
Yearly electricity production (kWh/yr)	605,160.00
Oil Consumption (l/yr)	192,000.00
Lube Oil Consumption (l/yr)	1,080.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	16,25,35,50,70,95,120,150
CO ₂ emission (tCO ₂)	511.18



Population	759
Area of Island (km ²)	0.4
Distance from Male' (km)	230.9
Distance from nearest airport (km)	15.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	50
Peak load time	18:00
Installed Capacity (kW)	150
Installed Generator sets (kW)	53, 97
Monthly Average Usage (kWh)	22,726.00
Yearly electricity production (kWh/yr)	272,712.00
Oil Consumption (l/yr)	131,400.00
Lube Oil Consumption (l/yr)	3,336.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1991
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	349.84



Population	160
Area of Island (km ²)	0.2
Distance from Male' (km)	224.1
Distance from nearest airport (km)	0
Electricity Provider	FENAKA
Daily Peak Load (kW)	150
Peak load time	12:00
Installed Capacity (kW)	510
Installed Generator sets (kW)	160, 250, 100
Monthly Average Usage (kWh)	102,000.00
Yearly electricity production (kWh/yr)	1,224,000.00
Oil Consumption (l/yr)	421,920.00
Lube Oil Consumption (l/yr)	2,400.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	60,70
CO ₂ emission (tCO ₂)	1,123.32



Population	391
Area of Island (km ²)	0.3
Distance from Male' (km)	218.5
Distance from nearest airport (km)	24.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	39
Peak load time	20:00
Installed Capacity (kW)	48
Installed Generator sets (kW)	48
Monthly Average Usage (kWh)	13,349.00
Yearly electricity production (kWh/yr)	160,188.00
Oil Consumption (l/yr)	72,000.00
Lube Oil Consumption (l/yr)	504.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	6, 16, 35
CO ₂ emission (tCO ₂)	191.69



Population	1232
Area of Island (km ²)	0.4
Distance from Male' (km)	227.1
Distance from nearest airport (km)	5.9
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	215
Peak load time	11:00
Installed Capacity (kW)	505
Installed Generator sets (kW)	220, 105, 180
Monthly Average Usage (kWh)	85,320.00
Yearly electricity production (kWh/yr)	1,023,840.00
Oil Consumption (l/yr)	360,000.00
Lube Oil Consumption (l/yr)	1,440.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2002
Distribution Cable size (mm ²)	25, 35, 50, 70
CO ₂ emission (tCO ₂)	958.46



Population	2880
Area of Island (km ²)	0.6
Distance from Male' (km)	188.3
Distance from nearest airport (km)	38.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	170
Peak load time	22:00
Installed Capacity (kW)	430
Installed Generator sets (kW)	180, 250
Monthly Average Usage (kWh)	70,199.32
Yearly electricity production (kWh/yr)	842,391.84
Oil Consumption (l/yr)	312,000.00
Lube Oil Consumption (l/yr)	1,680.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2008
Distribution Cable size (mm ²)	70
CO ₂ emission (tCO ₂)	830.67



Population	964
Area of Island (km ²)	0.6
Distance from Male' (km)	231.5
Distance from nearest airport (km)	27.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	40
Peak load time	7:00
Installed Capacity (kW)	75
Installed Generator sets (kW)	75
Monthly Average Usage (kWh)	36,000.00
Yearly electricity production (kWh/yr)	432,000.00
Oil Consumption (l/yr)	144,000.00
Lube Oil Consumption (l/yr)	540.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2008
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	383.39



Population	2158
Area of Island (km ²)	1.6
Distance from Male' (km)	261.1
Distance from nearest airport (km)	4.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	425
Peak load time	15:00
Installed Capacity (kW)	1110
Installed Generator sets (kW)	510, 240, 360
Monthly Average Usage (kWh)	202,028.72
Yearly electricity production (kWh/yr)	2,424,344.64
Oil Consumption (l/yr)	720,000.00
Lube Oil Consumption (l/yr)	4,320.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2007
Distribution Cable size (mm ²)	70,95,120,150
CO ₂ emission (tCO ₂)	1,916.93



Population	416
Area of Island (km ²)	0.7
Distance from Male' (km)	263.2
Distance from nearest airport (km)	10
Electricity Provider	FENAKA
Daily Peak Load (kW)	35
Peak load time	7:30
Installed Capacity (kW)	45
Installed Generator sets (kW)	45
Monthly Average Usage (kWh)	11,389.00
Yearly electricity production (kWh/yr)	136,668.00
Oil Consumption (l/yr)	63,600.00
Lube Oil Consumption (l/yr)	400.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	NA
Distribution Cable size (mm ²)	6, 25, 35
CO ₂ emission (tCO ₂)	169.33



Population	4546
Area of Island (km ²)	6.2
Distance from Male' (km)	251.9
Distance from nearest airport (km)	7.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	935
Peak load time	12:00
Installed Capacity (kW)	1730
Installed Generator sets (kW)	680, 280, 160, 220, 120, 120, 150
Monthly Average Usage (kWh)	280,762.37
Yearly electricity production (kWh/yr)	3,369,148.42
Oil Consumption (l/yr)	1,579,320.00
Lube Oil Consumption (l/yr)	16,380.00
Synchronizing Panel	Yes, No
Type of Synchronizing Panel	Auto , Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16, 25, 35, 50, 70, 120
CO ₂ emission (tCO ₂)	4,204.78



Population	1088
Area of Island (km ²)	1.1
Distance from Male' (km)	265.2
Distance from nearest airport (km)	17.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	NA
Peak load time	20:00
Installed Capacity (kW)	180
Installed Generator sets (kW)	180
Monthly Average Usage (kWh)	42,000.00
Yearly electricity production (kWh/yr)	504,000.00
Oil Consumption (l/yr)	216,000.00
Lube Oil Consumption (l/yr)	2,160.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2008
Distribution Cable size (mm ²)	25, 65, 70
CO ₂ emission (tCO ₂)	575.08



Population	1266
Area of Island (km ²)	3.6
Distance from Male' (km)	229.6
Distance from nearest airport (km)	29.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	153
Peak load time	20:00
Installed Capacity (kW)	320
Installed Generator sets (kW)	160, 160
Monthly Average Usage (kWh)	52,290.00
Yearly electricity production (kWh/yr)	627,480.00
Oil Consumption (l/yr)	233,362.00
Lube Oil Consumption (l/yr)	460.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25, 35, 45, 50, 70
CO ₂ emission (tCO ₂)	621.30



Population	1049
Area of Island (km ²)	3.6
Distance from Male' (km)	229.6
Distance from nearest airport (km)	29.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	95
Peak load time	20:00
Installed Capacity (kW)	205
Installed Generator sets (kW)	100, 105
Monthly Average Usage (kWh)	51,981.00
Yearly electricity production (kWh/yr)	623,772.00
Oil Consumption (l/yr)	168,000.00
Lube Oil Consumption (l/yr)	600.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2005
Distribution Cable size (mm ²)	16, 35, 50
CO ₂ emission (tCO ₂)	447.28



Population	816
Area of Island (km ²)	0.9
Distance from Male' (km)	267.2
Distance from nearest airport (km)	20
Electricity Provider	FENAKA
Daily Peak Load (kW)	90
Peak load time	8:00
Installed Capacity (kW)	104
Installed Generator sets (kW)	64, 40
Monthly Average Usage (kWh)	31,189.00
Yearly electricity production (kWh/yr)	374,268.00
Oil Consumption (l/yr)	144,000.00
Lube Oil Consumption (l/yr)	600.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25, 35, 45, 55, 75
CO ₂ emission (tCO ₂)	383.39



Population	1040
Area of Island (km ²)	0.5
Distance from Male' (km)	238.9
Distance from nearest airport (km)	20.4
Electricity Provider	FENAKA
Daily Peak Load (kW)	89.79
Peak load time	13:00
Installed Capacity (kW)	230
Installed Generator sets (kW)	150, 80
Monthly Average Usage (kWh)	39,702.00
Yearly electricity production (kWh/yr)	476,424.00
Oil Consumption (l/yr)	167,820.00
Lube Oil Consumption (l/yr)	900.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2007
Distribution Cable size (mm ²)	64
CO ₂ emission (tCO ₂)	446.80



Population	1258
Area of Island (km ²)	0.2
Distance from Male' (km)	263.4
Distance from nearest airport (km)	17
Electricity Provider	FENAKA
Daily Peak Load (kW)	150
Peak load time	13:00
Installed Capacity (kW)	248
Installed Generator sets (kW)	168, 80
Monthly Average Usage (kWh)	55,250.00
Yearly electricity production (kWh/yr)	663,000.00
Oil Consumption (l/yr)	223,200.00
Lube Oil Consumption (l/yr)	1,440.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1993
Distribution Cable size (mm ²)	6, 16, 25, 35, 50, 75
CO ₂ emission (tCO ₂)	594.25



Population	1890
Area of Island (km ²)	0.4
Distance from Male' (km)	257.4
Distance from nearest airport (km)	33.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	150
Peak load time	12:00
Installed Capacity (kW)	436
Installed Generator sets (kW)	180, 96, 160
Monthly Average Usage (kWh)	88,000.00
Yearly electricity production (kWh/yr)	1,056,000.00
Oil Consumption (l/yr)	387,900.00
Lube Oil Consumption (l/yr)	840.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2004
Distribution Cable size (mm ²)	6,25
CO ₂ emission (tCO ₂)	1,032.74



Population	396
Area of Island (km ²)	0.3
Distance from Male' (km)	240.8
Distance from nearest airport (km)	18.5
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	28
Peak load time	18:00
Installed Capacity (kW)	90
Installed Generator sets (kW)	40, 50
Monthly Average Usage (kWh)	1,240.00
Yearly electricity production (kWh/yr)	14,880.00
Oil Consumption (l/yr)	78,000.00
Lube Oil Consumption (l/yr)	960.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2007
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	207.67



Population	1956
Area of Island (km ²)	0.2
Distance from Male' (km)	396.3
Distance from nearest airport (km)	13.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	145
Peak load time	20:30
Installed Capacity (kW)	514
Installed Generator sets (kW)	58, 311, 145
Monthly Average Usage (kWh)	73,000.00
Yearly electricity production (kWh/yr)	876,000.00
Oil Consumption (l/yr)	288,000.00
Lube Oil Consumption (l/yr)	1,920.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25, 35, 50
CO ₂ emission (tCO ₂)	766.77



Population	1201
Area of Island (km ²)	0.2
Distance from Male' (km)	403
Distance from nearest airport (km)	27.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	73
Peak load time	12:00
Installed Capacity (kW)	270
Installed Generator sets (kW)	80, 112, 78
Monthly Average Usage (kWh)	38,595.00
Yearly electricity production (kWh/yr)	463,140.00
Oil Consumption (l/yr)	174,588.00
Lube Oil Consumption (l/yr)	936.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16 to 70
CO ₂ emission (tCO ₂)	464.82



Population	1675
Area of Island (km ²)	1.0
Distance from Male' (km)	414.8
Distance from nearest airport (km)	34.8
Electricity Provider	FENAKA
Daily Peak Load (kW)	165
Peak load time	19:00
Installed Capacity (kW)	309
Installed Generator sets (kW)	80, 85, 144
Monthly Average Usage (kWh)	76,596.00
Yearly electricity production (kWh/yr)	919,152.00
Oil Consumption (l/yr)	267,100.00
Lube Oil Consumption (l/yr)	1,036.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1999
Distribution Cable size (mm ²)	35,50,75
CO ₂ emission (tCO ₂)	711.13



Population	885
Area of Island (km ²)	0.3
Distance from Male' (km)	426
Distance from nearest airport (km)	44.4
Electricity Provider	FENAKA
Daily Peak Load (kW)	61
Peak load time	20:15
Installed Capacity (kW)	148
Installed Generator sets (kW)	68, 80
Monthly Average Usage (kWh)	29,300.00
Yearly electricity production (kWh/yr)	351,600.00
Oil Consumption (l/yr)	129,960.00
Lube Oil Consumption (l/yr)	744.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	25,35,50,70
CO ₂ emission (tCO ₂)	346.01



Kolamaafushi

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Population	1610
Area of Island (km ²)	0.3
Distance from Male' (km)	374.1
Distance from nearest airport (km)	30
Electricity Provider	FENAKA
Daily Peak Load (kW)	145
Peak load time	19:00
Installed Capacity (kW)	395
Installed Generator sets (kW)	100, 100, 195
Monthly Average Usage (kWh)	75,000.00
Yearly electricity production (kWh/yr)	900,000.00
Oil Consumption (l/yr)	294,000.00
Lube Oil Consumption (l/yr)	2,400.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2006
Distribution Cable size (mm ²)	16,95
CO ₂ emission (tCO ₂)	782.75



Population	540
Area of Island (km ²)	1.2
Distance from Male' (km)	409.3
Distance from nearest airport (km)	29.1
Electricity Provider	FENAKA
Daily Peak Load (kW)	19
Peak load time	12:00
Installed Capacity (kW)	98
Installed Generator sets (kW)	50, 48
Monthly Average Usage (kWh)	14,220.00
Yearly electricity production (kWh/yr)	170,640.00
Oil Consumption (l/yr)	70,250.00
Lube Oil Consumption (l/yr)	360.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	187.03



Population	1428
Area of Island (km ²)	0.5
Distance from Male' (km)	385.4
Distance from nearest airport (km)	1.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	130
Peak load time	20:00
Installed Capacity (kW)	330
Installed Generator sets (kW)	160, 120, 50
Monthly Average Usage (kWh)	72,309.00
Yearly electricity production (kWh/yr)	867,708.00
Oil Consumption (l/yr)	278,400.00
Lube Oil Consumption (l/yr)	1,440.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	2000
Distribution Cable size (mm ²)	16,25,35,50
CO ₂ emission (tCO ₂)	741.21



Population	1023
Area of Island (km ²)	0.6
Distance from Male' (km)	394.5
Distance from nearest airport (km)	11.3
Electricity Provider	ISLAND COMMUNITY
Daily Peak Load (kW)	75
Peak load time	11:00
Installed Capacity (kW)	180
Installed Generator sets (kW)	100, 80
Monthly Average Usage (kWh)	29,000.00
Yearly electricity production (kWh/yr)	348,000.00
Oil Consumption (l/yr)	144,000.00
Lube Oil Consumption (l/yr)	600.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2008
Distribution Cable size (mm ²)	16, 25, 35
CO ₂ emission (tCO ₂)	383.39



Population	4264
Area of Island (km ²)	0.6
Distance from Male' (km)	381.7
Distance from nearest airport (km)	1.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	590
Peak load time	11:00
Installed Capacity (kW)	1040
Installed Generator sets (kW)	360, 280, 400
Monthly Average Usage (kWh)	284,270.00
Yearly electricity production (kWh/yr)	3,411,240.00
Oil Consumption (l/yr)	900,998.00
Lube Oil Consumption (l/yr)	3,098.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1995
Distribution Cable size (mm ²)	35,50,70,95,120
CO ₂ emission (tCO ₂)	2,398.82



Population	1657
Area of Island (km ²)	0.4
Distance from Male' (km)	444.1
Distance from nearest airport (km)	38.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	210
Peak load time	8:00
Installed Capacity (kW)	450
Installed Generator sets (kW)	150, 180, 120
Monthly Average Usage (kWh)	128,982.40
Yearly electricity production (kWh/yr)	1,547,788.80
Oil Consumption (l/yr)	252,000.00
Lube Oil Consumption (l/yr)	4,800.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2009
Distribution Cable size (mm ²)	35, 50, 70
CO ₂ emission (tCO ₂)	670.92



Fiyooaree

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Population	1450
Area of Island (km ²)	0.8
Distance from Male' (km)	442.8
Distance from nearest airport (km)	33.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	98
Peak load time	18:00
Installed Capacity (kW)	222
Installed Generator sets (kW)	80, 62, 80
Monthly Average Usage (kWh)	59,871.00
Yearly electricity production (kWh/yr)	718,452.00
Oil Consumption (l/yr)	213,660.00
Lube Oil Consumption (l/yr)	1,440.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1996
Distribution Cable size (mm ²)	25 to 165
CO ₂ emission (tCO ₂)	568.85



Population	3500
Area of Island (km ²)	0.3
Distance from Male' (km)	433.4
Distance from nearest airport (km)	56.5
Electricity Provider	FENAKA
Daily Peak Load (kW)	250
Peak load time	21:00
Installed Capacity (kW)	300
Installed Generator sets (kW)	300
Monthly Average Usage (kWh)	125,560.00
Yearly electricity production (kWh/yr)	1,506,720.00
Oil Consumption (l/yr)	343,587.00
Lube Oil Consumption (l/yr)	1,800.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1994
Distribution Cable size (mm ²)	16,35,50,70
CO ₂ emission (tCO ₂)	914.77



Population	1232
Area of Island (km ²)	0.9
Distance from Male' (km)	418.7
Distance from nearest airport (km)	3.7
Electricity Provider	FENAKA
Daily Peak Load (kW)	96
Peak load time	19:00
Installed Capacity (kW)	329
Installed Generator sets (kW)	160, 109, 60
Monthly Average Usage (kWh)	51,000.00
Yearly electricity production (kWh/yr)	612,000.00
Oil Consumption (l/yr)	204,000.00
Lube Oil Consumption (l/yr)	960.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	1998
Distribution Cable size (mm ²)	16, 25
CO ₂ emission (tCO ₂)	543.13



Population	1804
Area of Island (km ²)	0.4
Distance from Male' (km)	416.9
Distance from nearest airport (km)	1.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	149
Peak load time	20:30
Installed Capacity (kW)	244
Installed Generator sets (kW)	144, 100
Monthly Average Usage (kWh)	51,022.00
Yearly electricity production (kWh/yr)	612,264.00
Oil Consumption (l/yr)	286,310.00
Lube Oil Consumption (l/yr)	1,596.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	25,35,50,70
CO ₂ emission (tCO ₂)	762.27



Nadella

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Population	1067
Area of Island (km ²)	0.4
Distance from Male' (km)	434.8
Distance from nearest airport (km)	20.7
Electricity Provider	FENAKA
Daily Peak Load (kW)	81
Peak load time	12:00
Installed Capacity (kW)	83
Installed Generator sets (kW)	83
Monthly Average Usage (kWh)	35,861.00
Yearly electricity production (kWh/yr)	430,332.00
Oil Consumption (l/yr)	167,256.00
Lube Oil Consumption (l/yr)	726.84
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2000
Distribution Cable size (mm ²)	25, 35
CO ₂ emission (tCO ₂)	445.30



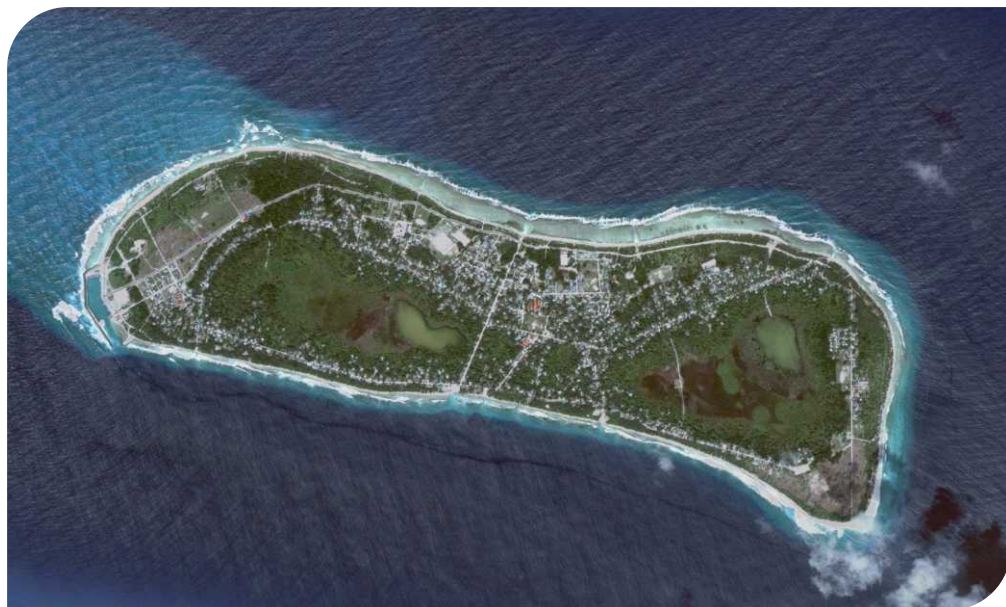
Population	1347
Area of Island (km ²)	0.4
Distance from Male' (km)	439.5
Distance from nearest airport (km)	28.2
Electricity Provider	FENAKA
Daily Peak Load (kW)	89
Peak load time	12:00
Installed Capacity (kW)	252
Installed Generator sets (kW)	120, 48, 84
Monthly Average Usage (kWh)	39,775.93
Yearly electricity production (kWh/yr)	477,311.16
Oil Consumption (l/yr)	154,840.00
Lube Oil Consumption (l/yr)	715.00
Synchronizing Panel	No
Type of Synchronizing Panel	-
Electricity cable installed year	2001
Distribution Cable size (mm ²)	35
CO ₂ emission (tCO ₂)	412.25



Population	7210
Area of Island (km ²)	1.2
Distance from Male' (km)	409.7
Distance from nearest airport (km)	5.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	1120
Peak load time	13:30
Installed Capacity (kW)	2350
Installed Generator sets (kW)	600, 750, 1000
Monthly Average Usage (kWh)	430,488.00
Yearly electricity production (kWh/yr)	5,165,856.00
Oil Consumption (l/yr)	1,800,000.00
Lube Oil Consumption (l/yr)	5,760.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1987
Distribution Cable size (mm ²)	6 to 150
CO ₂ emission (tCO ₂)	4,792.32



Population	1430
Area of Island (km ²)	1.9
Distance from Male' (km)	439.9
Distance from nearest airport (km)	40.6
Electricity Provider	FENAKA
Daily Peak Load (kW)	101
Peak load time	13:00
Installed Capacity (kW)	418
Installed Generator sets (kW)	100, 138, 180
Monthly Average Usage (kWh)	4,365.00
Yearly electricity production (kWh/yr)	52,380.00
Oil Consumption (l/yr)	207,120.00
Lube Oil Consumption (l/yr)	2,400.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	2000
Distribution Cable size (mm ²)	35,50,70,95
CO ₂ emission (tCO ₂)	551.44



Population	11964
Area of Island (km ²)	4.9
Distance from Male' (km)	496.5
Distance from nearest airport (km)	0
Electricity Provider	FENAKA
Daily Peak Load (kW)	1440
Peak load time	12:00
Installed Capacity (kW)	2170
Installed Generator sets (kW)	720, 250, 600, 600
Monthly Average Usage (kWh)	735,841.00
Yearly electricity production (kWh/yr)	8,830,092.00
Oil Consumption (l/yr)	2,438,100.24
Lube Oil Consumption (l/yr)	5,004.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1991
Distribution Cable size (mm ²)	25,35,50,70,95,120,150
CO ₂ emission (tCO ₂)	6,491.20



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

Population	28000
Area of Island (km ²)	8.0
Distance from Male' (km)	535.6
Distance from nearest airport (km)	11.9
Electricity Provider	FENAKA
Daily Peak Load (kW)	3850
Peak load time	12:00
Installed Capacity (kW)	6850
Installed Generator sets (kW)	750, 750, 750, 1600, 1000, 1000, 1000
Monthly Average Usage (kWh)	1,956,937.00
Yearly electricity production (kWh/yr)	23,483,244.00
Oil Consumption (l/yr)	6,674,255.00
Lube Oil Consumption (l/yr)	68,217.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Manual
Electricity cable installed year	1997
Distribution Cable size (mm ²)	16,25,35,50,70,95,120
CO ₂ emission (tCO ₂)	17,769.54



Hulhumeedhoo

Population	6900
Area of Island (km ²)	3.0
Distance from Male' (km)	532.5
Distance from nearest airport (km)	14.4
Electricity Provider	FENAKA
Daily Peak Load (kW)	400
Peak load time	21:00
Installed Capacity (kW)	995
Installed Generator sets (kW)	165, 165, 165, 500
Monthly Average Usage (kWh)	245,396.00
Yearly electricity production (kWh/yr)	2,944,752.00
Oil Consumption (l/yr)	873,084.00
Lube Oil Consumption (l/yr)	6,600.00
Synchronizing Panel	Yes
Type of Synchronizing Panel	Auto
Electricity cable installed year	1996
Distribution Cable size (mm ²)	25
CO ₂ emission (tCO ₂)	2,324.50

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