Clicklable Index

In this document, you will find information on the energy potential on Small Islands Nations. On each page of this PDF format, you will find a consistent listing of features presented for each Island.

Information on these islands was found from two primary resources:

www.europeanislands.net www.inforse.org

GENI Global Energy Network Institute

Renewable Energy Potential
of
Small Island States

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Abstract

Islands may not be as blessed as continental nations with certain natural resources. Yet for most, wind, sun, hydro and/or geothermal energies are abundant. The importation of oil and gas to fuel small islands is growing, and the costs are increasing. Current oil price fluctuations should encourage islands to become independent from fossil fuels and utilize their own resources. Islands need to assess their full potential for producing clean energy which for many includes the full array of wind, wave, and tidal power, as well as solar, hydro, geothermal, and bio-mass. The drivers for implementing renewable energy are the renewable resource potential, new technologies and also the policy support. Although some islands have begun the transition to clean energy, most still import petroleum, coal, and natural gas. Fossil fuel dependence creates a financial and environmental burden on small islands. As oil prices rise and fall, islands should be encouraged to increase local production from renewable sources.

Renewable energy installations remain assets for as long as they can harvest free and clean energy. This transition is sometimes met with resistance, or proposed "for the future." Full cost comparisons between fossil fuels and renewable energy should encourage a more focused and accelerated strategy. Collectively, all island states spend over $90 million each day for more than 900,000 barrels of oil (price of $100 per barrel), $108 million at $125 per barrel, and $126 million at $140 per barrel. If this money were invested in new renewable generation, 72 megawatts of wind capacity could be added (based on 1 megawatt turbines at $1.5 million each assuming $125 per barrel) or 11 megawatts of solar capacity at a price of $10 per watt. Going forward, investing in domestic renewables makes more economic and environmental sense over continued imports of expensive and polluting fossil fuels.

Note: The oil figures were obtained from the "1.2 World Petroleum Consumption, 1980-2005" Department of Energy's list of oil consuming states. Some of the islands in that list are not included in this report. As well, some of the islands in this report were not included in that list.

Summary of Renewable Energy Potential of Small Island States

With the demand for greener energy, nations are now considering, and some implementing into policy, the use of renewable resources for energy. Countries such as Germany, Denmark, Spain and Iceland are world leaders in production of renewable energy technologies, especially wind, solar and geothermal. Currently, there are 35 nations who generate more than 50% of their energy from renewable resources. The trend is growing.

Seldom does the world look at the small island states and their energy demands and unique circumstances. What prevents their using the abundant renewable energy available to them, such as wind, solar, or wave energy? Is it merely because they are islands and separated from the mainland? Islands may not be as blessed as continental nations with certain natural resources, but for most, wind, sun and or geothermal energies are abundant. Furthermore, the import of oil and gas to fuel small islands is growing, and the cost is increasing. Current oil price fluctuations should further encourage islands to become independent from fossil fuels and utilize their own resources.

The potential for renewable energy use on small islands is vast. Many small islands in every region in the world use or propose to use renewable energy: the Azores and Canary islands in the North Atlantic, Gotland and Samsoe in the Baltic, Sardinia and Sicily in the Mediterranean, Mauritius and Reunion in the Indian Ocean, Fiji and the Hawaiian islands in the Pacific, as well as Dominica and the Guadeloupe islands in the Caribbean. Many small islands have achieved their goal of transitioning to renewable energy.

The remaining islands need to be aware that their potential for producing clean energy is vast and includes the full array of wind, wave, and tidal power, as well as solar, hydro, geothermal, and bio-mass. These abundant sources can be used in tandem on every island for those days when the sun doesn't shine or the wind doesn't blow. Available technologies for biomass conversion enable us to derive energy from almost any natural source, such as sugar cane or algae for bio-fuels. Since small islands can designate their resources solely to electricity and with the introduction of electric cars and plug-in vehicles, they can eliminate the use of diesel, coal or petroleum to generate electricity and diesel and petroleum for transportation.

The drivers for implementing renewable energy are the geographic potentials for production, the technology available and also the political and policy support. Whether it's a small island or mainland nation, policy is what provides incentives for development and use and engenders the benefit. With good policy, renewable energy is more secure and stable in every aspect, as investors have the incentive to make long term financial commitments, knowing their assets can grow with the industry.

Small islands can make the transition to renewable energy. In fact, 3 islands generate 100% of their electricity consumption from renewable energy. Some produce 75% of total heating supply from renewable energy, such as Lolland and Falster. Other islands have committed to initiatives to produce energy from renewables such as 79% in Fiji or 48% in Dominica. Production on many other islands varies, although goals are in place. In total, over 30 inhabited small islands have some source and percentage of production from renewable energy. In Denmark, several islands participated to move the nation towards a significant level of renewable energy, in fact, 100% capacity of renewable energy installation. Such a goal could only encourage the local people not only to make the transition but also to prove to the world that small islands can achieve their independence from fossil fuel. Some of these islands that at times have a surplus of electricity production actually sell the surplus back to the mainland through underwater cables, making a profit and enhancing the benefit of their installed capacity.

Samsoe is one of the islands where they now produce 10% more than their demand. It is a win-win situation for them, the production of clean energy as well as making a profit.

Although some islands have begun the transition to clean energy, they still import petroleum, coal, and natural gas. These islands allow a comparison of the financial and environmental burden of burning fossil fuels. As oil prices rise, islands should be further encouraged to increase local production from renewable sources. After all, planning, installation and achieving the renewable transition is more of an asset than a liability. Some of the benefits for the islands of producing their own renewable energy are savings from domestic production, producing clean energy, and potentially ensuring a more stable economy, because once the technology is installed, the island is immune to fluctuating oil prices, unless they continue to import.

Like any investment, sometimes things don't turn out as expected, but one can increase the chances of avoiding economic loss through planning and studying a variety of renewable potential sources. For example, a one-megawatt wind turbine might cost anywhere from $1-3 million dollars, whereas every watt of solar capacity can cost roughly $10 dollars. The cost comparison can vary. With planning based on these kinds of comparisons, the right renewable technology source can be implemented. But when comparing renewable energy vs. fossil fuels, renewable installation is by far the better investment. Oil will always be a liability, and we will run out. But a renewable energy installation will remain an asset for as long as it produces free and clean energy.

Islands committed to the renewable transition are committed because of its vast benefits. They should all be aware that every island has at least one major potential renewable source and several others that follow. We may have great solar potential and great wind seasons, but every possible seasonal factor should be taken into consideration. This is the reason for diversifying our potential sources.

Unfortunately, the goal to move towards change is sometimes met only gradually or proposed for the future, for example, goals for the year 2020 or 2030. Many islands who committed to some renewable energy installation ten years ago may have reached their goals sooner than anticipated, like Samsoe. Many committed to achieve their goals by 2008. Some might not meet their goal for a variety of reasons. This is why "mother nations" should further encourage the implementation and progress toward renewable energy through policy and incentives. This also applies to self-governed island nations.

Implementing renewable energy requires a transition, if not an upgrade, to something better. To some it is a moral issue to make such a conversion, because renewable sources ease the harmful effects of climate change. To a businessman, it might mean a great investment in a new industry, the green industry. But in a time when oil prices are soaring and the effects of climate change are evident, using renewable sources for energy shouldn’t be seen only as a great investment or moral issue. It should rather be seen as a great investment with great moral value for the present, especially for small island states.

How the Legends are used

Achill
Jurisdiction: Ireland
Population: 2,620 (2000)

The names of the islands are clickable. You can navigate to the main index of islands and click on the specific islands of interest. This feature allows you to jump directly to that island's page.

When notes appear, you can pass your cursor over them and read the information available, or you can click the note twice and keep the note box open.

Highlight

Highlighted text holds hidden comments. You can pass your cursor over the highlighted text or click the text twice and open the comment box.

The world map, used to show renewable percentage data, primarily uses the note feature. It distinguishes islands by renewable energy percentage, each color consisting of a 20% frame. Islands in Purple are the lowest, Green the highest, and those in Grey offer no percentage data, although some islands may have other data available. The data available also offers the primary sources of renewable energy being used.

You can see the data available on the map by simply passing your cursor over the notes. You can click on the notes twice to keep them open for comparison to other islands, or as needed. The basic key looks like this:

Renewable Percentage

80-100% from Renewable Energy

60-79% from Renewable Energy

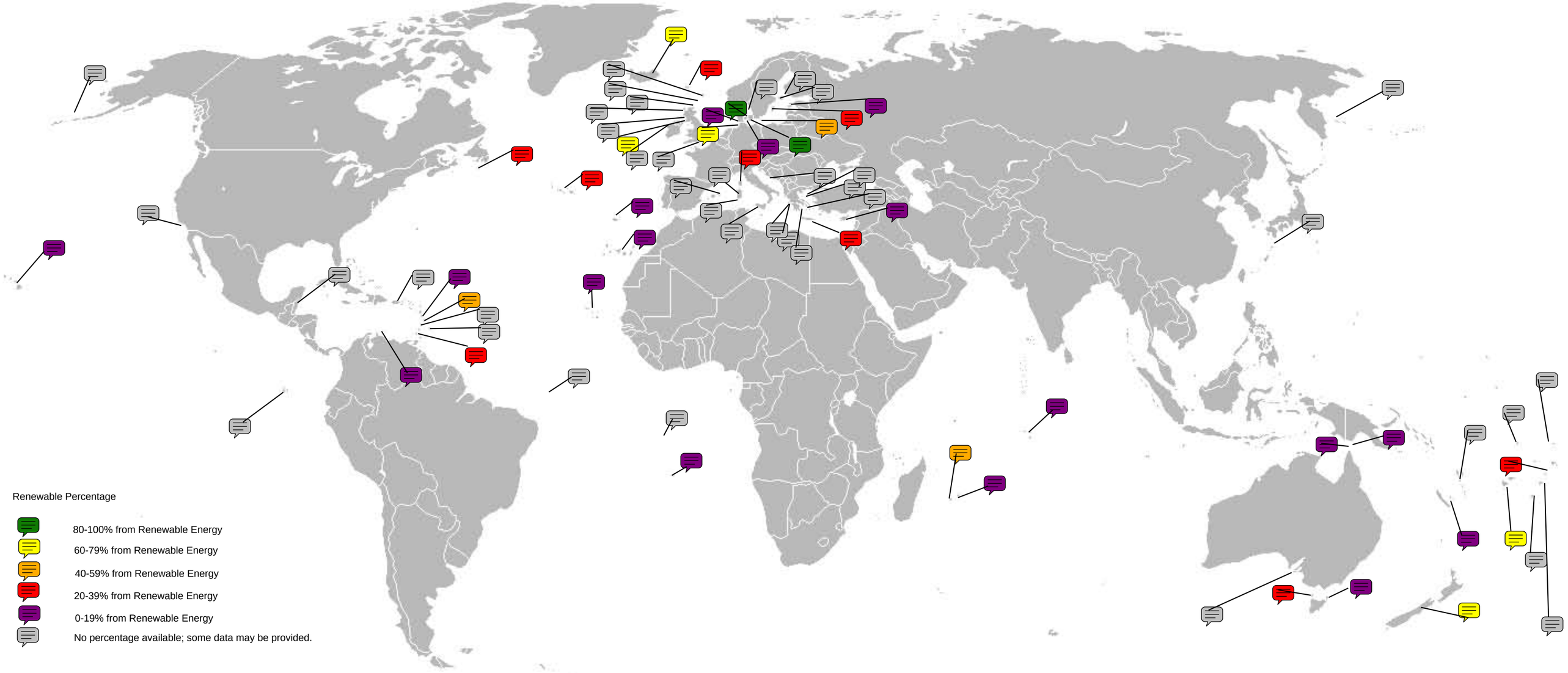
40-59% from Renewable Energy

20-39% from Renewable Energy

0-19% from Renewable Energy

No percentage available; some data may be provided.

Map below is best seen when viewed at 100% magnification or greater.


Renewable Percentage
80-100% from Renewable Energy
60-79% from Renewable Energy
40-59% from Renewable Energy
20-39% from Renewable Energy
0-19% from Renewable Energy
No percentage available; some data may be provided.

Definition of Terms

Biomass: Refers to any biological material used for combustion or energy.
Bagass or **Bagasse**: Refers to the biomass remaining from biological matter such as sugar cane, sorghum, and agave after extraction. All for the use of energy.
Biogas and **Bio-energy**: Refer to a type of biofuel produced from the biological breakdown of organic matter.
Fossil Fuels: Refer to any source of Hydrocarbons, (i.e. Oil, Coal, Gas)
Geothermal: Refers to heat stored beneath the Earth's surface.
Hydro: Refers to Hydropower, which is based on the force or energy of moving water.
LPG: Refers to liquefied petroleum gas, such as propane or butane gas.
OTEC: Ocean thermal energy conversion refers to the generation of electricity which uses the temperature difference between deep and shallow.
PV or **Solar panels**: Refer to Photovoltaic energy, commonly known as "solar panels", which use solar cells that convert sunlight directly into energy.
Solar Thermal: Refers to mirrors or lenses that concentrate sunlight into temperature collectors for the conversion of energy.
Solid Waste or **Waste to Energy**: Refers to the treatment of household and/or industrial waste to create energy in the way of heat or electricity. Methane can also be extracted and used as a combustible.
Tidal: Tidal energy is a form of hydropower that converts the energy of tides into electricity or other useful forms of power.
Waves: Refers to the power of surface waves for the conversion of energy.
Wind Power: Refers to the conversion of wind power to electricity through wind turbines.

Azores (9 Islands)

Jurisdiction: Portugal
Population: 243,018 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	78	110,248 kW	355,282 MWh	1,895 kWh	No
Biomass	na	na	na		
Geothermal	16	16,000 kW	79,994 MWh		
Hydro	na	9,594kW	21,711 MWh		
PV	na	na	PV		
Solid Waste	na	na	na		
Wind Power	0.5	1,050 kW	3,604 MWh		
		Azores Total:	460,600 MWh		

Renewable Potential		Renewable Energy	More information
Waves	High	No Information available for these resources	
Tidal	Low		
Biomass	Medium		
Geothermal	High		
Hydro	High		
PV	Medium		
Solar Thermal	Medium		
Waste to Energy	Medium		

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North Atlantic Ocean

Achill

Jurisdiction: Ireland
Population: 2,620 (2000)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No Information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				

Renewable Potential		Renewable Energy Goal/Plan/Strategy	More information
Wind	High	Long term prospects for tidal and wave power.	www.europeanislands.net
Waves	na		
Tidal	na		
Biomass	na		
Geothermal	na		
Hydro	na		
PV	na		
Solar Thermal	na		
Waste to Energy	na		

Azores (9 Islands)

Jurisdiction: Portugal
Population: 243,018 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	78	110,248 kW	355,282 MWh	1,895 kWh	No
Biomass	na	na	na		
Geothermal	16	16,000 kW	79,994 MWh		
Hydro	na	9,594kW	21,711 MWh		
PV	na	na	PV		
Solid Waste	na	na	na		
Wind Power	0.5	1,050 kW	3,604 MWh		
		Azores Total:	460,600 MWh		

Renewable Potential		Renewable Energy Goal/Plan/Strategy	More information
Waves	High	No Information available for these resources	
Tidal	Low		
Biomass	Medium		
Geothermal	High		
Hydro	High		
PV	Medium		
Solar Thermal	Medium		
Waste to Energy	Medium		

Corvo (Azores)

Jurisdiction: Portugal
Population: 435 (2002)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Corvo Total:	na		

Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	

Faial (Azores)

Jurisdiction: Portugal
Population: 14,934 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	98	12,000 kW	35,244 MWh	2,385 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	1	640 kW	385 MWh		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	na	na	na		
		Faial Total:	35,629 MWh		

Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	

Flores (Azores)

Jurisdiction: Portugal
Population: 3,949 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	57	2,106 kW	4,279 MWh	1,888 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	43	1,480 kW	3,177 MWh		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	na	na	na		
		Flores Total:	7,457 MWh		

Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	

Graciosa (Azores)

Jurisdiction: Portugal
Population: 4,708 (2002)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	93	2,210 kW	7,193 MWh	1,640 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	69	210 kW	532 MWh		
		Graciosa Total:	7,725 MWh		

Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	

Pico (Azores)

Jurisdiction: Portugal
Population: 14,579 (2002)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Pico Total:	na		

Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	

Santa Maria (Azores)

Jurisdiction: Portugal
Population: 243,018 (2002)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	97	3,620 kW	13,968 MWh	2,620 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	3	270kW	420 MWh		
		Santa Maria:	14,388 MWh		

Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	

Sao Jorge (Azores)

Jurisdiction: Portugal
Population: 9,522 (2002)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	89	5,258 kW	14,955 MWh	1,750 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	10	570 kW	1,710 MWh		
		Sao Jorge Tota	16,665 MWh		

Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	

Sao Miguel (Azores)

Jurisdiction: Portugal
Population: 130,154 (2002)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	62	51,584 kW	162,904 MWh	2,005 kWh	No
Biomass	na	na	na		
Geothermal	30	16,000 kW	79,994 MWh		
Hydro	7	5,478 kW	18,149 MWh		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	na	na	na		
		Sao Miguel Total:	261,047 MWh		

Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	

Terceira (Azores)

Jurisdiction: Portugal
Population: 54,996 (2002)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	99	33, 470 kW	116,738 MWh	2,139 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	1,996 kW	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	.8	na	942 MWh		
		Terceira Total:	117,680 MWh		

Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	

Canary (7 Islands)

Jurisdiction: Spain
Population: 1,995,833 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	96	1,642 MW	6,094,395 GWh	3,053 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	0.8 MW	1,773 GWh		
PV	na	na	0.093 GWh		
Solid Waste	na	na	na		
Wind Power	3	80 MW	223, 013 GWh		
		Canary Total:	6,319,182 GWh		

Renewable Potential		Renewable Energy Goal/Plan/Strategy	More information
Waves	Medium	There is a Renewable Energy Plan for the Canary Islands.	www.europeanislands.ne
Tidal	Low		
Biomass	Low		
Geothermal	Low		
Hydro	Low		
PV	High		
Solar Thermal	High		
Waste to Energy	High		
Wind	High		

El Hierro (Canary)

Jurisdiction: Spain
Population: 10,162 (2003)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	95	na	22 GWh	2,263 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	42	na	.9 GWh		
		El Hierrro Total:	23 GWh		

Renewable Energy Goal/Plan/Strategy	More information
100% of electricity supply from Renewable Energy	na

Fuerteventura (Canary)

Jurisdiction: Spain
Population: 74,983 (2004)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	91	na	299 GWh	4,360 kWh	Yes
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	8	na	28 GWh		
		Fuerteventura Total:	327 GWh		

Renewable Energy Goal/Plan/Strategy	More information
There is a Renewable Energy Plan for the Canary Islands.	na

Grand Canary (Canary)

Jurisdiction: Spain
Population: 802,257 (2005)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	96				No
Biomass	na				
Geothermal	na				
Hydro	na		No information available for these resources		
PV	na				
Solid Waste	na				
Wind Power	4				
		Grand Canary Total:	na		

Renewable Energy Goal/Plan/Strategy	More information
There is a Renewable Energy Plan for the Canary Islands.	na

La Gomera (Canary)

Jurisdiction: Spain
Population: 21,952 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	99	na	45 GWh	2,095 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	0.7	na	0.3 GWh		
		La Gomera Total:	46 GWh		

Renewable Energy Goal/Plan/Strategy	More information
There is a Renewable Energy Plan for the Canary Islands.	na

Lanzarote (Canary)

Jurisdiction: Spain
Population: 127,457 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	96	na	548 GWh	4,432 kWh	Yes
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	3	na	17 GWh		
		Lanzarote Total:	566 GWh		

Renewable Energy Goal/Plan/Strategy	More information
There is a Renewable Energy Plan for the Canary Islands.	na

La Palma (Canary)

Jurisdiction: Spain
Population: 86,062 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	94	na	182 GWh	2,230 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	0.7	na	1 GWh		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	4	na	9 GWh		
		La Palma Total:	192 GWh		

Renewable Energy Goal/Plan/Strategy	More information
There is a Renewable Energy Plan for the Canary Islands.	na

Tenerife (Canary)

Jurisdiction: Spain
Population: 852,945 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	98	na	2,414 GWh	2,875 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	0.5 GWh		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	1	na	38 GWh		
		Tenerife Total:	2,452 GWh		

Renewable Energy Goal/Plan/Strategy	More information
There is a Renewable Energy Plan for the Canary Islands.	www.pvresources.com/en/hybrid

Cape Verde
(13 Islands)

Population: 499,796
(est'd 2008)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	na	82,790 MWh	182 kWh	na
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	na	na	8,330 MWh		
		Cape Verde Total:	91,120 MWh		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No Information available for these resources		

Sal (Cape Verde)

Population: 14,816 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	na	10,120 MWh	780 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	na	na	1,440 MWh		
		Sal Total:	11,560 MWh		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More informatio
No Information available for these resources		

Sao Tiago (Cape Verde)

Population: 240,000 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	na	39,870 MWh	176 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	na	na	2,500 MWh		
		Sao Tiago Total:	42,370 MWh		

Renewable Energy Goal/Plan/Strategy	More information
No Information available for these resources	

Sao Vicente
(Cape Verde)

Population: 70,000 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	na	32,800 MWh	531 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	na	na	na		
		Sao Vicente Total:	32,800 MWh		

Renewable Energy Goal/Plan/Strategy	More information
No Information available for these resources	

Cape Verde Cont.

Island	Population:	Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Boa Vista	3,353				
Santo Antao	47,124				
Santa Luzia	na				
Sao Nicolau	12,864		No Information available for these resources		
Brava	4,296				
Fogo	37,409				
Maio	5,435				

Renewable Energy Goal/Plan/Strategy	More information
No Information available for these resources	

Faire Isle

Jurisdiction: U.K
Population: 70 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No Information available for these resources			No
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na	160 kW			
		Faire Isle Total:	na		

Renewable Energy Goal/Plan/Strategy	More information
Up to 90% of the island's electricity demand from wind	na

Foula

Jurisdiction: U.K
Population: 45 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	na	No Information available for these resources		No
Biomass	na	na			
Geothermal	na	na			
Hydro	na	15 kW			
PV	na	na			
Solid Waste	na	na			
Wind Power	na	50 kW			
		Foula Total:	na		

Renewable Energy Goal/Plan/Strategy	More information
There is not a renewable energy plan for the island	na

Islay

Jurisdiction: U.K
Population: 3,500 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	na	No Information available for these resources		Yes
Biomass	na	na			
Geothermal	na	na			
Hydro	na	na			
PV	na	na			
Solid Waste	na	na			
Wind Power	na	na			
Wave Power	na	75 kW			
		Islay Total:	na		

Renewable Energy Goal/Plan/Strategy	More information
No Information available for these resources	

Isle of Wight

Jurisdiction: U.K
Population: 140,000 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na		3,264 GWh	na	Yes
Biomass	na	56% of total energy demand is currently met by piped gas, from the mainland			
Geothermal	na				
Hydro	na				
PV	na	Waste-to-Energy 13GWh per year.			
Solid Waste	na				
Wind Power	na				
Wave Power	na				
		Isle of Wight Total:	3,277 GWh		

Renewable Energy Goal/Plan/Strategy	More information
The Island is yet to meet its goal and demand from renewable energy, although they have considered: * A community wind project * A biomass CHP or heat-only * Farm based anaerobic digestion * A bio-diesel production plant * Demonstration marine current turbine	www.europeanislands.net

Madeira
(At least 2 Islands)

Jurisdiction: Portugal
Population: 245,806 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	82	139,620 kW	763 GWh	3,791 kWh	na
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	12	49,550 kW	113 GWh		
PV	na	na	na		
Solid Waste	4	na	39 GWh		
Wind Power	2	10 MW	17 GWH		
		Madeiras Total:	932 GWh		

Renewable Potential		Renewable Energy Goal/Plan/Strategy	More information
Waves	Medium	na	AREAM
Tidal	Low		
Biomass	High		
Geothermal	Low		
Hydro	High		
PV	Medium		
Solar Thermal	High		
Waste to Energy	High		

Madeira (Madeira)

Jurisdiction: Portugal
Population: 240,000
(est'd 2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	81	195 MW	726 GWh	3,720 kWh	na
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	13	51 MW	113 GWh		
PV	na	na	na		
Solid Waste	4	8 MW	39 GWh		
Wind Power	2	9 MW	15 GWh		
		Madeira Total:	893 GWh		

Renewable Energy Goal/Plan/Strategy	More information
No Information available for these resources	

Porto Santo (Madeira)

Jurisdiction: Portugal
Population: 4,388 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	95	24 MW	35 GWh	8,409 kWh	na
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	5	1 MW	2 GWh		
		Porto Santo:	37 GWh		

Renewable Energy Goal/Plan/Strategy	More information
No Information available for these resources	

Orkney

Jurisdiction: U.K
Population: 19,800 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	Orkney has superb natural resources for the generation of electricity from wind, wave and tidal sources		No information available for these reasources	
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No Information available for these resources	Council is to prepare a Renewable Energy Planning Framework.	http://www.europeanislands.net

Outer Hebrides

Jurisdiction: Scotland
Population: 27,180 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No Information available for these resources	Upgrade Infrastructure to link Islands to Mainland.	http://www.europeanislands.net

Pellworm

Jurisdiction: Germany
Population: 1,139 (2005)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	34	5,900 kW	7,940 MWh	20,457	Yes
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	0.9	600 kW	225 MWh		
Solid Waste	na	na	na		
Wind Power	65	na	15,136 MWh		
Import from Grid	na	na	na		
		Pellworm Total:	23,301 MWh		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	100% of energy consumption from renewable energy sources.	http://www.pvresources.com/en/hybrid

Rathlin

Jurisdiction: U.K
Population: 120 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			No
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	75	99 kW			
		Rathlin Total:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources		

St. Pierre and Miquelon

Jurisdiction: France
Population: 6,125 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	4,200 kW	38 GWh	6,481 kWh	na
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	30	600 kW	1,700 MWh		
	St. Pierre and Miquelon Total:		1,738 MWh		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources		

South Atlantic Ocean

Ascension

Jurisdiction: U.K
Population: 1,000 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	84	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	16				
		Ascension Total:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources		

Fernando de Noronha

Jurisdiction: Brazil
Population: 2,300 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			No
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na	75 kW			
		Fernando de Noronha Total:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	Considering the installation of further two wind turbines on the island	No information available for these resources

St. Helena

Jurisdiction: U.K
Population: 3,926 (2005)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na				
Biomass	na				
Geothermal	na				
Hydro	na		No information available for these resources		
PV	na				
Solid Waste	na				
Wind Power	na				
	St. Helena Islands Total:		na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources		

Baltic Sea

Aeroe

Jurisdiction: Denmark
Population: 6,863 (2005)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	87	No information available for these resources			
Biomass	na	By Town:			
Geothermal	na	**Marstal**: 9,000m2 of Thermal Solar Heating			
Hydro	na	**Rise**: Biomass 600 kW and 4,000m2 Thermal Solar Heating			
PV	na	**Soeby**: Biomass 2 MW and 2,250m2 Thermal Solar Heating			
Solid Waste	na	**Aeroeskoebing**: Biomass 1.6 MW and 5,000m2 of Thermal Solar Heating			
Wind Power	12				
		Aeroe Total: na			

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for this resource	80-100% of energy supply from	http://www.europeanislands.net

Aland

Jurisdiction: Finland
Population: 26,923 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na	Wind energy deployment is steady			
		Aland Total: na			

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
Wind energy is expected to cover 10% of electricity consumption in the region by 2006 (this was 6% in 2003).	No information available for these resources	www.europeanislands.net

Bornholm

Jurisdiction: Denmark
Population: 45,000 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Biomass	na	4 Biomass Districts	175 MWh	na	Yes
Geothermal	na	na	na		
Hydro	na	na			
PV	na	Solar Heaters			
Solid Waste	na	na			
Wind Power	20	25 MW			
Renewable	30	110 kW Biogas Systems used to produce electricity 25MW capacity			
		Bornholm Total:	175 MWh		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources		www.europeanislands.net

Gotland

Jurisdiction: Sweden
Population: 57,317 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Coal	38	na	1,695 GWh	23,867 kWh	Yes
Petroleum	30	na	1,365 GWh		
Imported Electricity	19	na	875 GWh		
LPG	1	na	80 GWh		
Bio-energy	5	na	256 GWh		
Heat Pumps	1	na	56 GWh		
Waste Heat	0	na	25 GWh		
Biogas	0.2	na	11 GWh		
Wind Power	15	55 MW	62 GWh		
		Gotland Total:	4,425 GWh		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for this resource	100% of energy consumption from renewable energy sources by **2025**	www.europeanislands.net

Hiiumaa

Jurisdiction: Estonia
Population: 11,800 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for this resource			Yes
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	4	150 kW			
		Hiiumana Total:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
The implementation of RES focuses mainly on the exploitation of the rich biomass potential for existent or planned district heating systems (domestic, industrial), together with the high wind potential (sand banks and islets present sites for offshore exploitation also)	No information available for this resource	www.europeanislands.net

Faeroe

Jurisdiction: Denmark
Population: 48,500 (2007 est'd)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	64	5 MW	No information available for this resource		
Biomass	na	na			
Geothermal	na	na			
Hydro	34	31 MW			
PV	na	na			
Solid Waste	na	na			
Wind Power	0.2	0.1 MW			
		Faeroe Total:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More informatio
There is no Energy plan for the Faeroe Islands	No information available for this resource	

Fohr

Jurisdiction: Germany
Population: 8,700 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Renewable	4	Wind power and small utilization of PV			No
Fossil Fuels	na				
Biomass	na				
Geothermal	na	No information available for this resource			
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Hiiumana Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Leasoe

Jurisdiction: Denmark
Population: 2,400 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Renewable	na				Yes
Fossil Fuels	na	A district heating plant in the town of Byrum using wood chips			
Biomass	na				
Geothermal	na	No information available for this resource			
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Leasoe Total:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for this resource	There is a plan in process	No information available for this resource

Lolland-Falster

Jurisdiction: Denmark
Population:
Lolland 48,219 (2008)
Falster 43,537 (2005)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na		na		
Biomass	na				
Geothermal	na	Electricity needs are covered entirely by local renewables, as well as 75% of total heating		No information available for these resources	
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na	Wind power onshore/offshore			
		Lolland-Falster Total:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for this resource	The recently elaborated regional action plan, Green Energy Lolland Falster, proposes a broad range of recommendations on how to further develop existing activities in order to secure economic growth, environmental benefits, new jobs, new educational programs and reduced carbon dioxide emissions.	www.europeanislands.net

Samsoe

Jurisdiction: Denmark
Population: 4,124 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for this resource			Yes
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na	100% of electricity, as well as 75% of heating supply, is covered by renewable energy			
Wind Power	100				
		Samsoe Total: na			

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for this resource	100% of energy consumption from renewable energy sources by **2008**	http://www.europeanislands.net

Turku

Jurisdiction: Finland
Population: 20,000 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na				
Biomass	na				
Geothermal	na				
Hydro	na		No information available for these resources		
PV	na				
Solid Waste	na				
Wind Power	na				
		Turku Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		http://www.europeanislands.net

Mediterranean Sea

Agios Efstratios

Jurisdiction: Greece
Population: 300 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na				
Biomass	na				
Geothermal	na		No information available for these resources		
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na	100kW			
		Agios Efstratios Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Carloforte

Jurisdiction: Sardinia, Italy
Population: (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na				
Biomass	na				
Geothermal	na		No information available for these resources		
Hydro	na				
PV	na	600 kW Hybrid	PV System		
Solid Waste	na				
Wind Power	na				
		Carloforte Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		http://www.pvresources.com/en/hybrid

Corsica

Jurisdiction: France
Population: 281,000 (2007)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	70	357 MW	No information available for these resources		No
Biomass	na	na			
Geothermal	na	na			
Hydro	30	132 MW			
PV	na	na			
Solid Waste	na	na			
Wind Power	na	na			
		Corsica Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for this resource	50% of electricity consumption from renewable energy by 2003	http://www.pvresources.com/en/hybrid

Crete

Jurisdiction: Greece
Population: 623,666 (2005)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	74	514 MW	1,820 GWh	3,806 kWh	No
Biomass	12	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	8	na	na		
Solid Waste	na	na	na		
Wind Power	5	57 MW	96 GWh		
Other Renewables	0.5	na	9 GWh		
		Crete Total:	1,925 GWh		

Renewable Potential		Renewable Energy Goal/Plan/Strategy	More information
Waves	Medium	By 2010, 45.5% of total annual electricity demand will be met by the following sources:	europeanislands.net
Tidal	Low		
Biomass	Medium		
Geothermal	Low		
Hydro	Low		
PV	High		
Solar Thermal	High		
Waste to Energy	Medium		
Wind	High		

Year Projection	2000	2005	2010
Thermal Plants	469MW	546MW	584MW
Wind Farms	89MW	200MW	250MW
Biomass Units	20MW	40MW	60MW
Small Hydro	0.6MW	6MW	6MW
PV	0.2MW	2MW	4MW
Pumped Storage	0MW	125MW	125MW

Croatian Islands

Jurisdiction: Croatia
Population: (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Croatian Islands Total:	na		

Renewable Potential		Renewable Energy Goal/Plan/Strategy	More information
Wind	High	No information available for these resources	http://www.europeanislands.net

Cyprus

Population: 788,457 (2007)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Oil	90	No information available for these resources			
Coal	6				
Geothermal	na				
Hydro	na				
PV	4				
Solid Waste	na				
Wind Power	na				
Biomass	na				
		Cyprus Total:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources		http://www.europeanislands.net

Ithaka

Jurisdiction: Greece
Population: 3,084 (2001)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			Yes
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Ithaka Total:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	RES supply rely principally on improved biomass use in the domestic sector, exploitation of wind energy up to approximately 5 MW and increased penetration of solar collectors.	http://www.europeanislands.net

Kephalonia

Jurisdiction: Greece
Population: 36,404 (2001)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Kephalonia Total:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources		http://www.europeanislands.net

Kythnos

Jurisdiction: Greece
Population: 1,600 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na		No information available for these resources		
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na	100 kW			
Solid Waste	na				
Wind Power	na	99 kW			
		Kythnos Total:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources		http://www.pvresources.com/en/hybrid

Limnos

Jurisdiction: Greece
Population: 18,104 (2001)

Total Renewable Electricity Production		Installed Capacity	Electricity Production -	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Renewable	na	1 MW			No
Fossil Fuels	na				
Biomass	na				
Geothermal	na				
Hydro	na		No information available for these resources		
PV	na				
Solid Waste	na				
Wind Power	na				
		LimnosTotal:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	Prospects of the island are considered very high, concentrating on the solar and wind potential, while biomass exploitation refers to a significant amount of agricultural residues.	http://www.europeanislands.net

Minorca

Jurisdiction: Spain
Population: 88,434 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Minorca Total:	na		

Renewable Potential		Renewable Energy Goal/Plan/Strategy	More information
Waves	Low	No information available for these resources	
Tidal	Low		
Biomass	Low		
Geothermal	Low		
Hydro	Low		
PV	Low		
Solar Thermal	High		
Waste to Energy	Medium		

Sardinia

Jurisdiction: Italy
Population: 1,655,677 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			No
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Sardinia Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources	There exists a renewable energy plan for the island	http://www.europeanislands.net

Sicily

Jurisdiction: Italy
Population: 5,017,212 (2006)

Total Renewable Electricity		Installed	Electricity	Consumption	Island Connected
Type	**%**				
Fossil Fuels	na				na
Biomass	na				
Geothermal	na				
Hydro	na		No information available for these resources		
PV	na				
Solid Waste	na	Solar Heaters			
Wind Power	na				
		Sicily Total:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources	The aims concern several fields such as energy, mobility, noise and air pollution. Activities cover: energy planning, mobility planning, acoustic pollution mapping, electromagnetic pollution mapping, air pollution monitoring, awareness raising campaigns for citizens on environmental issues.	europeanislands.net

Maldives

Population: 300,000 (2006)

Total Renewable Electricity		Installed	Electricity	Consumption	Island Connected
Type	%				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	5	80 kW			
		Maldives Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Mauritius

Population: 1,256,739
(2006 est'd)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	%				
Fossil Fuels	80	288 MW	No information available for these resources		
Biomass	na	na			
Geothermal	na	na			
Hydro	9	59 MW			
PV	na	na			
Solid Waste	na	na			
Wind Power	na	na			
Bagass	10	132 MW			
		Mauritius Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Reunion

Jurisdiction: France
Population: 793,000 (2007)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	43	192 MW			No
Biomass	na	na			
Geothermal	na	na			
Hydro	39	126 MW			
PV	na	na	No information available for these resources		
Solid Waste	na	na			
Wind Power	na	na			
Bagass/Coal	16	118 MW			
		Reunion Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

North Pacific Ocean

Bering

Jurisdiction: Russia
Population: 1,000 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			No
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na	500 kW			
		Bering Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Channel Islands (National Park)

Jurisdiction: U.S
Population: NA

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	There are 60 small renewable energy installations on the 5 islands in the Channel Islands National Park		No information available for these resources	
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Channel Islands Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Hawaii (8 Islands)

Jurisdiction: U.S
Population: 1,211,537 (NA)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	92	na	9,423(Million kWh)	8,548 kWh	No
Biomass	1	na	225 (Million kWh)		
Geothermal	2	na	229 (Million kWh)		
Hydro	0.7	na	92 (million kWh)		
PV	na	na	na		
Solid Waste	3	na	371 (Million kWh)		
Wind Power	0.1	na	17 (Million kWh)		
		Hawaii Total:	10,357 GWh		

Renewable Potential	Renewable Energy	More information
No information available for these resources	Hawaii to produce 70% of its energy from renewable sources by 2030	No information available for these resources

Hawaii

Jurisdiction: U.S
Population: 148,677 (2000)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	71	181 MW	731 (Million kWh)	6,914 kWh	No
Biomass	1	na	na		
Geothermal	22	30 MW	229 (Million kWh)		
Hydro	5	14 MW	51 (Million kWh)		
PV	na	.09 MW	na		
Solid Waste	3	na	na		
Wind Power	1	na	17 (Million kWh)		
		Hawaii Total:	1,018 MWh		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Kahoolawe (Hawaii)

Jurisdiction: U.S
Population: NA

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Kahoolawe Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Kaui (Hawaii)

Jurisdiction: U.S
Population: 58,303 (2000)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	78	95 MW	351 (Million kWh)	7,632 kWh	No
Biomass	17	36 MW	77 (Million kWh)		
Geothermal	na	na	na		
Hydro	3	4 MW	17 (Million kWh)		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	na	na	na		
		Kaui Total:	445 MWh		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Lanai (Hawaii)

Jurisdiction: U.S
Population: 3,193 (2000)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			No
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Lanai Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Maui (Hawaii)

Jurisdiction: U.S
Population: 117,644 (2000)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	86	188 MW	1,042(Million kWh)	10,191 kWh	No
Biomass	11	58 MW	133(Million kWh)		
Geothermal	na	na	na		
Hydro	2	na	24(Million kWh)		
PV	na	0.02 MW	na		
Solid Waste	na	na	na		
Wind Power	na	na	na		
		Maui Total:	1,199 MWh		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Molokai (Hawaii)

Jurisdiction: U.S
Population: 7,404 (2000)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			No
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Molokai Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Niihau (Hawaii)

Population: 160 (2000)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Niihau Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Oahu (Hawaii)

Jurisdiction: U.S
Population: 876,151 (2000)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**		**Millions**		
Fossil Fuels	95	1,725 MW	7,299(Million kWh)	8,771 kWh	No
Biomass	0.2	12 MW	15 (Million kWh)		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	4	63 MW	371 (Million kWh)		
Wind Power	na	na	na		
		Oahu Total:	7,685 GWh		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Miyakojima (Okinawa)

Jurisdiction: Japan
Population: 55,914 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na				
Biomass	na				
Geothermal	na		No information available for these resources		
Hydro	na				
PV	na	750 kW			
Solid Waste	na	300 kW Hybrid			
Wind Power	na				
		Miyakojima Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		www.europeanislands.net

St. Paul

Jurisdiction: U.S
Population: 532 NA

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	1,300 kW	No information available for these resources		No
Biomass	na	na			
Geothermal	na	na			
Hydro	na	na			
PV	na	na			
Solid Waste	na	na			
Wind Power	na	225 kW			
		St. Paul Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

South Pacific Ocean

Coconut

Jurisdiction: Australia
Population: 200 NA

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	na			No
Biomass	na	na			
Geothermal	na	na			
Hydro	na	na	No information available for these resources		
PV	3	25 kW			
Solid Waste	na	na			
Wind Power	2	10 kW			
		Coconut Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Cook Islands

Population: 18,700 (2005)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na				
Biomass	na				
Geothermal	na				
Hydro	na		No information available for these resources		
PV	na				
Solid Waste	na				
Wind Power	na				
		Cook Total:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources		

Cook Islands Cont.	Population:	Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Aitutaki	2,000 (NA)	No information available for these resources			
Atiu	571 (2003)				
Mangaia	na				
Manihiki	na				
Manue	na				
Mauke	na				
Mitiaro	219 (NA)				
Nassau	71 (2006)				
Palmerston	na				
Penryhn	357 (2001)				
Pukapuka	664 (2001)				
Rakahanga	na				
Rarotonga	9,500 (NA				
Sumarrow	na				
Takutea	na				

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Fiji

Population: 853,445
(2006 est'd)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**	By region			
Fossil Fuels	20	**Viti Levu:**	0.110	632	No
Biomass	na	Diesel 60MW	(Billion kWh)		
Geothermal	na	Hydro 76MW			
Hydro	79				
PV	na				
Solid Waste	na	**Vanua Levu:**	0.430		
Wind Power	na	Diesel 1 MW	(Billion kWh)		
		Hydro .8 MW			
		Fiji Total:	540,000 MWh		

Renewable Potential		Renewable Energy Goal/Plan/Strategy	More information
Solar:	Good	There is a National Renewable Energy policy	na
Wind:	Good		
Biomass:	Excellent		
Hydro:	Excellent		
Geothermal:	Excellent		
OTEC:	Good		
Wave:	Good		

Flinders

Jurisdiction: Australia
Population: 950 NA

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	5	80 kW			
		Flinders Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Galapagos

Jurisdiction: Ecuador
Population: 40,000 NA

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			No
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Galapagos Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources	50% self-sufficient of energy demand (excluding transport) within a few years . (2000)	No information available for these resources

Isle of Pines
(New Caledonia)

Jurisdiction: France
Population: 2,000 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	1,500kW	No information available for these resources		
Biomass	na	na			
Geothermal	na	na			
Hydro	na	na			
PV	na	na			
Solid Waste	na	na			
Wind Power	15	160kW			
		Isle of Pines Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

King Island

Jurisdiction: Australia
Population: 1,570 (2005)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	80	4,800 kW			No
Biomass	na	na			
Geothermal	na	na			
Hydro	na	na			
PV	na	na			
Solid Waste	na	na			
Wind Power	20	750 kW			
		King Island Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Kiribati

Population: 105,432 (2005)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na				
Biomass	na				
Geothermal	na				
Hydro	na		No information available for these resources		
PV	na				
Solid Waste	na				
Wind Power	na				
		Kiribati Total:	na		

Renewable Potential		Renewable Energy	More information
Solar:	Excellent	Installation of PV through out the Gilbert Island group from year **2000-2005** is the largest PV program in the Pacific Island region	na
Biomass:	Some resource		
Hydro:	None		
Geothermal:	None		
OTEC:	Good		
Wave:	Definite potential, extent		
Wind:	Unlikely to be an		

Rurutu

Jurisdiction: France

Population: NA

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	1,000 kW			
Biomass	na	na			
Geothermal	na	na			
Hydro	na	na	No information available for these resources		
PV	na	na			
Solid Waste	na	na			
Wind Power	na	80 kW			
		Rurutu Island Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Samoa

Population: 214,265 (2007)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	61	8 MW	.040 (Billion kWh)	303 kWh	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	38	11MW	.025 (Billion kWh)		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	na	na	na		
		Samoa Total:	65,000 MWh		

Renewable Potential		Renewable Energy	More information
Solar:	Good	Samoa does not have a comprehensive energy policy	No information available for these resources
Wind:	Good		
Biomass:	Good		
Hydro:	Good		
Geothermal:	Good		

Thursday Island

Jurisdiction: Australia

Population: 2,682 NA

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	92	6,400 kW			No
Biomass	na	na			
Geothermal	na	na			
Hydro	na	na	No information available for these resources		
PV	na	na			
Solid Waste	na	na			
Wind Power	8	450 kW	na		
		Thursday Island:	na		

Renewable Potential	Renewable Energy Goal/Plan/Strategy	More information
No information available for these resources		

Tuvalu

Population: 11,992 (2007)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Tuvalu Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Vanuatu

Population: 209,000 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
		Vanuatu Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		

Wilpena Pound

Jurisdiction: Australia
Population: NA

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	100 kW	No information available for these resources		
Biomass	na	Hybrid			
Geothermal	na	System			
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
	Wilpena Pound Total:		na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		http://www.pvresources.com/en/hybrid

Caribbean Sea

Barbados

Population: 279,000 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	%				
Fossil Fuels	na	na	na	na	na
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	Solar water heaters			
Solid Waste	na	na	na		
Wind Power	na	na	na		
		Barbados Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources	40% of energy to be produced from renewable energy sources by 2010	No information available for these resources

Ambergris Caye

Jurisdiction: Belize

Population: NA

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	%				
Fossil Fuels	na				No
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na	100 kW	No information available for these resources		
Solid Waste	na				
Wind Power	na				
		Cook Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources		http://www.pvresources.com/en/hybrid

Curacao

Jurisdiction: Netherlands
Population: 138,000

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	98	192 MW	na	na	na
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	na	na	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	2	3 MW	na		
		Curacao Total:	na		

Renewable Potential		Renewable Energy	More information
Performance Data(1996)			
Wind:	8 m/s		
Energy potential:	3,520 kW-square meter		
Gross Output:	1,308 kW-square meter	No information available for these resources	
Capacity Factor:	35%		
Energy Capture:	37.20%		
Operating Time:	86%		

Dominica

Population: 71,727 (2006)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	52	11 MW	75 GWh	2,021	No
Biomass	na	na	na		
Geothermal	na	na	na		
Hydro	48	7 MW	70 GWh		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	na	na	na		
		Dominica Total:	145.8 GWh		

Renewable Potential	Renewable Energy	More information
No information available for these resources	**100%** of Energy consumption from renewable energy sources in 2015. A national energy has recently been implemented.	No information available for these resources

Guadeloupe
(Several Islands)

Jurisdiction: France
Population: 408,000 (2007)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	91	407 MW	na	na	No
Biomass	7	64 MW	na		
Geothermal	1	4 MW	na		
Hydro	1	7 MW	na		
PV	na	na	na		
Solid Waste	na	na	na		
Wind Power	0.3	.3 MW	na		
		Guadeloupe Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources	25% of the electricity consumption from renewable energy in 2002. The target is to achieve 400GWh produced from renewable energy sources in 2006	No information available for these resources

La Desirade
(Guadeloupe)

Jurisdiction: France
Population: 1,620 (1999)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na				Yes
Biomass	na				
Geothermal	na				
Hydro	na		No information available for these resources		
PV	na				
Solid Waste	na				
Wind Power	100				
		La Desirade Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources	There is a renewable energy plan for the Guadeloupe archipelago- 25% of the electricity consumption from renewable energy by 2002	No information available for these resources

Marie Galante (Guadeloupe)

Jurisdiction: France
Population: 12,488 (1999)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na				Yes
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na		No information available for these resources		
Solid Waste	na				
Wind Power	30				
		Marie Galante Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources	There is a renewable energy plan for the Guadeloupe archipelago- 25% of the electricity consumption from renewable energy by 2002	No information available for these resources

Puerto Rico

Jurisdiction: U.S
Population: 3,810,000

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	na			
Biomass	na	na			
Geothermal	na	na			
Hydro	na	247 MW	No information available for these resources		
PV	na	40,000			
Solid Waste	na	na			
Wind Power	na	na			
		Puerto Rico Total:	na		

Renewable Potential	Renewable Energy	More information
No information available for these resources	There exists a renewable energy plan for the island	No information available for these resources

Saint Lucia

Population: 160,765 (2005)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	na	No information available for these resources			
Biomass	na				
Geothermal	na				
Hydro	na				
PV	na				
Solid Waste	na				
Wind Power	na				
	Saint Lucia Total: na				

Renewable Potential	Renewable Energy	More information
No information available for these resources	St. Lucia is first nation to announce its intention to transform its energy systems to a fossil-fuel-free base, to the extent possible	No information available for these resources

Saint Vincent and the Grenadines

Population: 110,000 (2007)

Total Renewable Electricity Production		Installed Capacity	Electricity Production - Annual	Consumption per Capita	Island Connected Electricity Grid
Type	**%**				
Fossil Fuels	67	18 MW	No information available for these resources		No
Biomass	na	na			
Geothermal	na	na			
Hydro	32	5 MW			
PV	na	na			
Solid Waste	na	na			
Wind Power	na	na			
	Saint Vincent and the Grenadines Total:				

Renewable Potential	Renewable Energy	More information
No information available for these resources	There is no National Policy	No information available for these resources

Information on these islands was found from two primary resources:

www.europeanislands.net www.inforse.org