

# YUKON BUREAU OF STATISTICS

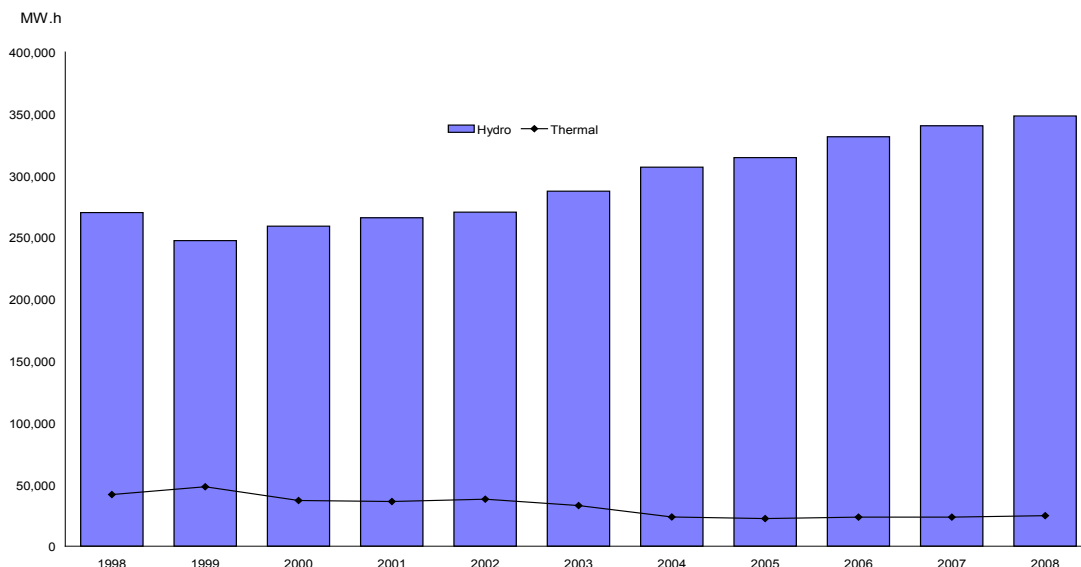


## Yukon Energy Facts

### Electricity – Generation

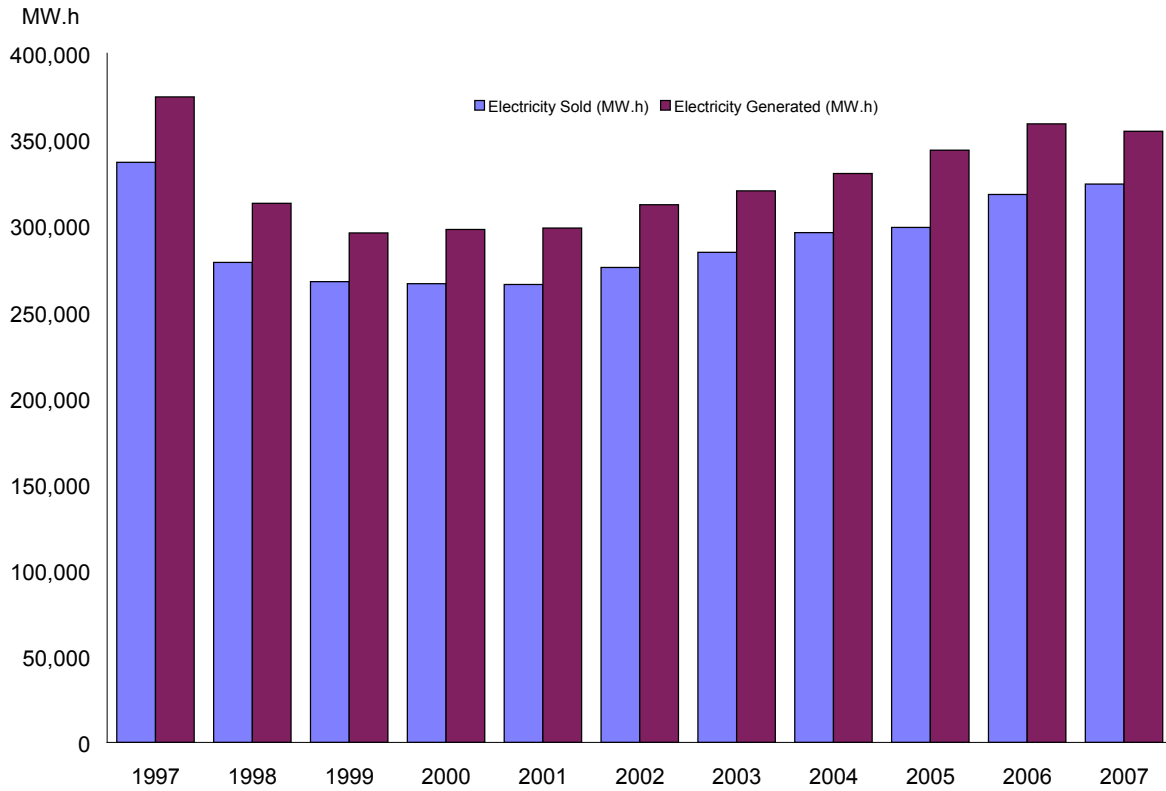
	YUKON ELECTRICAL COMPANY		YUKON ENERGY CORPORATION			YUKON TOTAL		
	HYDRO (MW.h)	THERMAL (MW.h)	HYDRO (MW.h)	THERMAL (MW.h)	WIND	HYDRO (MW.h)	THERMAL (MW.h)	WIND
2008	6,551	23,093	341,742	1,662	437	348,293	24,755	437
2007	9,025	22,334	331,226	1,247	362	340,251	23,581	362
2006	6,950	21,804	324,473	1,694	605	331,423	23,498	605
2005	6,858	21,807	307,717	580	890	314,575	22,387	890
2004	5,799	21,988	301,038	1,705	477	306,837	23,693	477
2003	4,948	21,512	282,391	11,354	898	287,339	32,866	898
2002	8,118	21,824	262,259	16,176	1,087	270,377	38,000	1,087
2001	9,165	21,026	256,709	15,105	1,125	265,874	36,131	1,125
2000	6,930	20,963	252,134	16,026	394	259,064	36,989	394
1999	4,544	20,791	242,798	27,356	267	247,342	48,147	267
1998	5,561	20,013	264,450	21,802	259	270,011	41,815	259

- \* *Hydro electricity:* Energy produced by utilizing the water flow in a river.
- \* *Thermal electricity:* Energy produced by generators which run on petroleum products (e.g. diesel).
- \* *Wind electricity:* Wind generator at Haeckel Hill, Whitehorse, went into service in the fall of 1993. A second wind generator was added in October 2000.



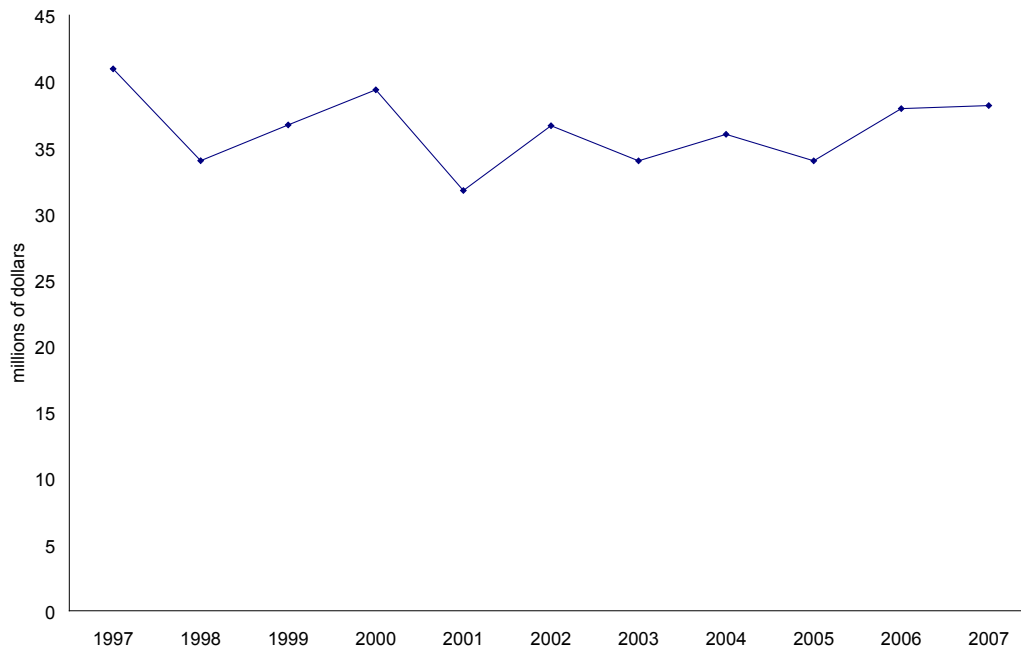
Source: Yukon Electric Company and Yukon Energy Corporation.

## Electricity – Generation and Sales



Source: Statistics Canada, Catalogue no. 57-202.

## Value of Electricity Sold in the Yukon



Source: Statistics Canada, Catalogue no. 57-202.

## Electricity – Cost

### Residential/Agricultural Customers

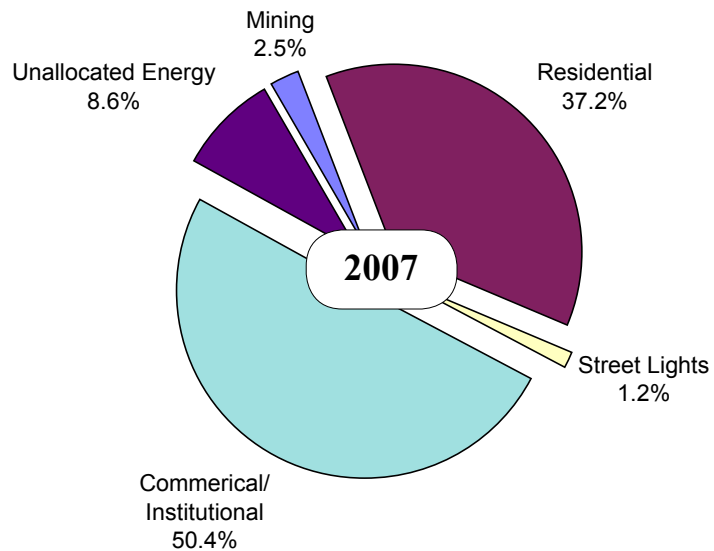
	Average Annual Bill (\$)		Consumption Per Customer (KW.h)		Consumer Cost Per KW.h (cents)	
	Canada	Yukon	Canada	Yukon	Canada	Yukon
<b>2007</b>	1,067.80	1,109.10	12,240	9,600	8.72	11.55
<b>2006</b>	1,015.23	1,129.15	11,575	9,679	8.77	11.67
<b>2005</b>	1,020.43	1,053.30	12,266	9,157	8.32	11.50
<b>2004</b>	1,006.53	1,045.19	12,431	9,102	8.10	11.48
<b>2003</b>	959.81	1,085.77	12,409	9,290	7.73	11.69
<b>2002</b>	950.43	1,051.87	12,246	9,339	7.76	11.26
<b>2001</b>	905.81	1,033.32	12,133	9,352	7.47	11.05
<b>2000</b>	887.91	1,388.28	11,950	9,761	7.43	14.22
<b>1999</b>	881.90	1,253.84	11,996	9,702	7.35	12.92
<b>1998</b>	862.83	1,116.12	11,786	9,564	7.32	11.67
<b>1997</b>	890.85	1,129.73	12,339	9,815	7.22	11.51

This table shows that the average annual electricity bill in the Yukon was \$1,109.10 in 2007, a decrease of \$20.05, or 1.8%, from 2006. Comparing the Yukon to Canada, the Yukon average is \$41.30, or 3.9%, more than the Canadian average of \$1,067.80. On average, Yukoners consume annually 9,600 KW.h of electricity, 21.6% less than the Canadian average of 12,240 KW.h.

Source: Statistics Canada, Catalogue no. 57-202.

## Electricity – Distribution

This chart shows the five main categories of electrical use in the Yukon. Their consumption is expressed as a percentage of the Yukon total electrical generation of 354,694 MW.h in 2007.



Source: Statistics Canada, Catalogue no. 57-202.

## Gasoline – Domestic Sales

2008	Total Domestic Sales	Regular Unleaded Gasoline	Mid-grade Unleaded Gasoline	Premium Unleaded Gasoline	Retail Sales of Motor Gasoline
	----- litres (000) -----				
January	1,353	1,273	13	67	862
February	1,294	1,222	14	58	824
March	1,389	1,297	10	82	884
April	1,097	1,029	9	59	698
May	1,441	1,343	15	83	917
June	1,842	1,719	17	106	1,172
July	2,002	1,924	18	60	1,274
August	2,376	2,155	17	204	1,512
September	2,068	1,897	14	157	1,315
October	1,719	1,579	12	128	1,094
November	1,135	1,077	9	49	722
December	1,404	1,280	14	110	894
<b>Total</b>	<b>19,120</b>	<b>17,795</b>	<b>162</b>	<b>1,163</b>	<b>12,168</b>

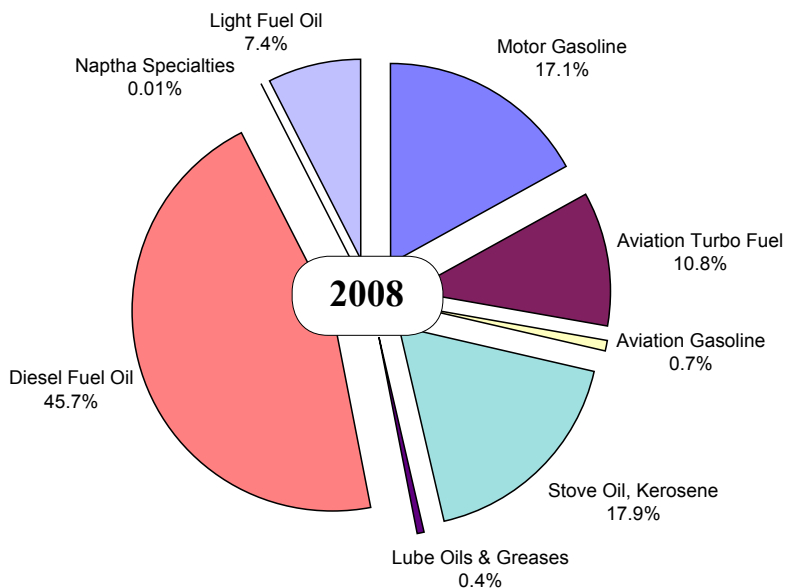
*Note:* Total sales of motor gasoline are the total sales in the Yukon Territory.

Retail sales of motor gasoline represent the sales conducted by retail service stations only.

*Source:* Statistics Canada, CANSIM table no. 134-0004.

## Refined Petroleum Products – Domestic Sales

This chart shows the distribution of the eight types of petroleum products sold in the Yukon. Each product is expressed as a percentage of the total petroleum distribution of 112,106 cubic metres in 2008.



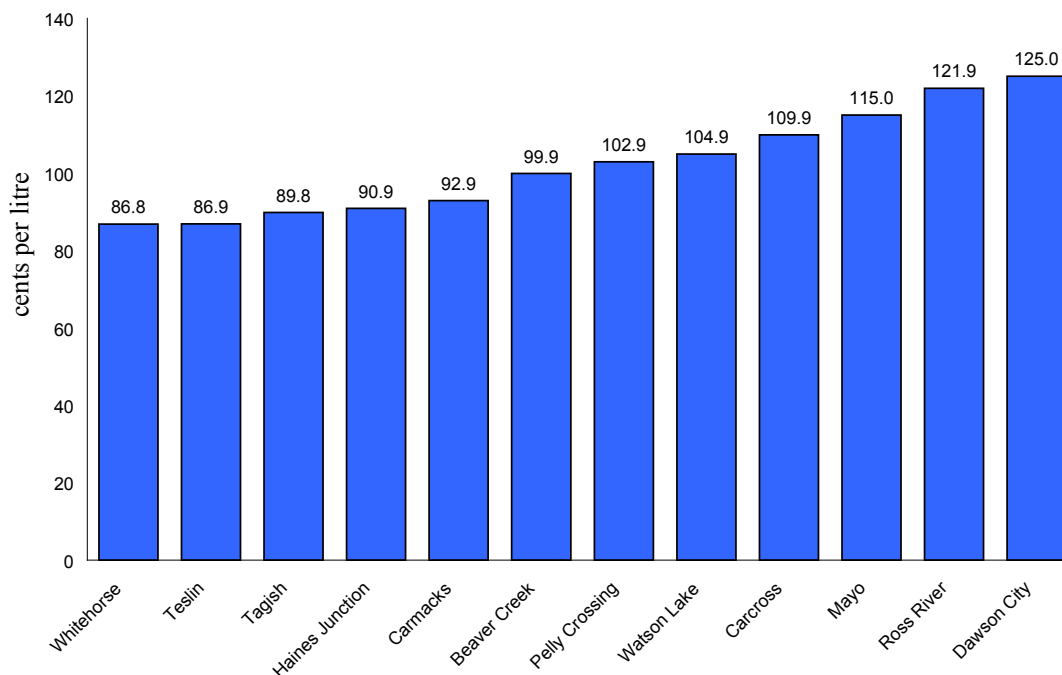
*Source:* Statistics Canada, CANSIM table no. 134-0004.

## Average Fuel Prices, December 31<sup>st</sup>, 2008

Communities	Full-service Stations		Self-service Stations	
	Regular Gasoline	Diesel	Regular Gasoline	Diesel
	cents/litre		cents/litre	
Beaver Creek	..	..	99.9	121.9
Burwash Landing	n/a	n/a	..	..
Carcross	..	..	109.9	129.9
Carmacks	..	..	92.9	115.9
Dawson City	..	..	125.0	147.0
Destruction Bay	..	..	92.9	113.9
Faro	n/a	n/a	..	..
Haines Junction	94.9	116.9	90.9	111.9
Mayo	112.9	135.9	115.0	138.0
Pelly Crossing	..	..	102.9	119.9
Ross River	..	..	121.9	169.9
Tagish	..	..	89.8	107.8
Teslin	..	..	86.9	110.4
Watson Lake	..	159.9	104.9	118.9
Whitehorse	88.8	112.4	86.8	109.1

Source: Yukon Bureau of Statistics, *Fuel Survey*.

**Average Price of Self-serve Regular Gasoline by Community**  
December 31<sup>st</sup>, 2008



Source: Yukon Bureau of Statistics, *Fuel Survey*, December 2007.

## Median Household Expenditures on Selected Energy Components (for households reporting an expenditure in these components)

2007	Transportation Expenditures		Shelter Expenditures <sup>1</sup>		
	Gas and other fuels <sup>2</sup>		Electricity	Natural gas	Other fuels <sup>3</sup>
----- \$ -----					
<b>Canada</b>	<b>2,085</b>	<b>1,200</b>	<b>1,380</b>	<b>175</b>	
Newfoundland & Labrador	2,340	1,680	F	1,000	
Prince Edward Island	2,400	1,150	F	1,945	
Nova Scotia	2,280	1,200	F	1,500	
New Brunswick	2,400	2,000	F	544	
Quebec	2,000	1,236	1,565	500	
Ontario	2,340	1,200	1,500	60	
Manitoba	2,200	960	1,260	45	
Saskatchewan	2,160	1,200	1,280	60	
Alberta	2,400	1,200	1,300	50	
British Columbia	1,880	750	1,200	80	
<b>Yukon</b>	<b>2,394</b>	<b>1,200</b>	<b>F</b>	<b>1,900</b>	
Northwest Territories	2,500	1,644	F	3,000	
Nunavut	1,814	900	F	3,600	

<sup>1</sup> For principal accommodation.

<sup>2</sup> For owned or leased automobiles and trucks/vans.

<sup>3</sup> For example oil, propane, wood etc.

F = Too unreliable to be published.

Source: Statistics Canada, Survey of Household Spending 2007, CANSIM table no. 203-0003 and 203-0007.

## Heating Methods

### Principal Heating Equipment, 2007

	Steam or Hot Water Furnaces	Hot Air Furnaces	Heating Stoves <sup>1</sup>	Electric Heating <sup>2</sup>	Other <sup>3</sup>
	----- % -----				
Canada	13.8	52.7	4.4	29.0	F
Yukon	14.3	60.6	F	11.7	F
Whitehorse	15.2	57.8	F	12.0	F

1. Heating stoves are localized heating units with no central distribution system to other parts of the house (e.g., oil space heater, gas space heater, wood stoves).
2. Includes permanently installed baseboard electric heating and other types such as floor or ceiling heating wires in all or most rooms.
3. Includes cookstoves and any other type of heating equipment not otherwise listed.

### Principal Heating Fuel, 2007

	Oil or Other Liquid Fuel	Natural Gas	Propane	Electricity	Wood
	----- % -----				
Canada	9.5	50.5	0.7	34.0	4.7
Yukon	60.3	F	F	15.1	F
Whitehorse	57.3	F	F	16.2	F

F = Too unreliable to be published.

Source: Statistics Canada, CANSIM table no. 203-0019.

# Energy Price Index

Consumer Price Index  
Energy Aggregate, 2002 = 100

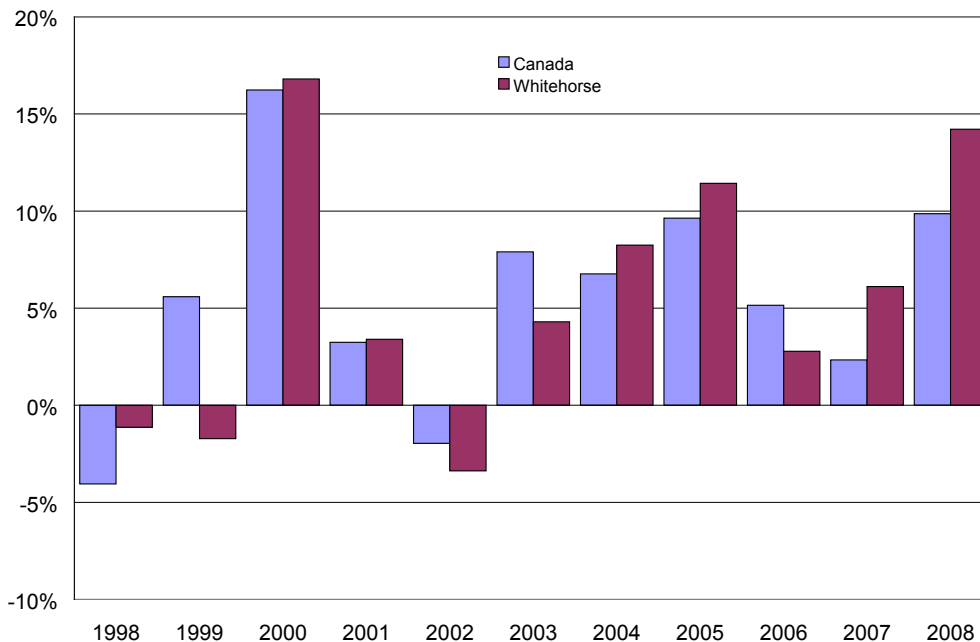
	Canada	Whitehorse
<b>2008</b>	<b>149.3</b>	<b>156.7</b>
2007	135.9	137.2
2006	132.8	129.3
2005	126.3	125.8
2004	115.2	112.9
2003	107.9	104.3
2002	100.0	100.0
2001	102.0	103.5
2000	98.8	100.1
1999	85.0	85.7
1998	80.5	87.2

*For example:* The consumer price index energy aggregate for Whitehorse for 2008 was 156.7 (2002 =100). This means that energy prices were 56.7% higher in 2008 than in 2002.

Source: Statistics Canada, CANSIM table no. 326-0021.

Note: The "Energy Aggregate" includes electricity, natural gas, fuel oil and other fuels, gasoline, and fuel/parts/supplies for recreational vehicles.

## Annual Percentage Growth in Energy Costs, 1998 to 2008



Source: Statistics Canada, CANSIM table no. 326-0021.

## Household Heating Fuel Costs

	Whitehorse	Vancouver	Toronto	Yellowknife
	----- cents per litre -----			
<b>January '09</b>	<b>97.3</b>	<b>82.3</b>	<b>85.2</b>	<b>93.5</b>
January '08	115.5	99.0	102.0	113.8
January '07	102.9	94.4	80.7	96.1
January '06	93.6	84.9	83.4	85.4
January '05	77.7	72.9	68.1	68.1
January '04	64.2	60.5	58.9	55.0
January '03	65.2	61.2	60.9	55.9
January '02	53.4	49.0	47.5	42.1
January '01	65.9	61.7	64.6	56.3
January '00	47.4	50.4	48.0	47.7
January '99	40.1	40.6	37.1	32.6

Source: Statistics Canada, CANSIM table no. 326-0009.

### LEGEND

KW	Kilowatt = 1,000 watts
MW	Megawatt = 1,000,000 watts
KW.h	Kilowatt Hour = One kilowatt of power used for one hour.
MW.h	Megawatt Hour = One megawatt of power used for one hour.
m <sup>3</sup>	Cubic metre = 1,000 litres
..	Figures not available

Information sheet no. 59.11 – Sept '09