

Media Release: 07 November, 2011

## Household Energy Price Index for Europe

October Prices Just Released

**Who is paying the most? Who is paying the least?**

**And where are the prices heading in Europe?**

### KEY FINDINGS AS OF October 2011

Electricity prices have been mostly stable in October compared to last month. The only significant increase of electricity prices took place in Ireland where prices shot up by more than 20% for electricity. This price increase is officially due to rising wholesale prices and could only be partly compensated by a decrease on the PSO levy.

The gas sector experienced quite a lot of changes and price increases which are reflected in the HEPI. Greece introduced a tax on gas consumption of 0.054 Cent/KWh and the “DETE” tax proportionate to the end-user all-in price. Furthermore, gas prices increased in Ireland and Italy increased its VAT from 20% to 21% which influenced the gas price. Electricity remained taxed at 10%.

The index shows that residential electricity prices steadily decreased over the first half of 2009 but started continuously rising from 2010 on and reached a new peak in

#### *In This Month's Edition*

*HEPI price trend - Energy prices on continuous upwards trend, even though electricity prices were stable this month*

*Gas prices and taxes – significant increase in several countries*

*Energy Price breakdown – Market forces represent less than half of the electricity bill*

August and September with a slight decrease in October (107.4 index points). The price index for gas dropped significantly in 2009 and reached its lowest value only in December at 80.3 index points (six months after the electricity price index). Retail prices started to recover in December 2009 – January 2010 when a cold wave hit many parts of Europe. The index almost regained to its January 2009 level this month (99.4 index points).

The "Total Price Rankings" table shows that depending on where a customer lives in Europe, the price that customer has to pay can vary by almost 140% per kWh of electricity and by a staggering 380% per kWh of gas. Household customers in Copenhagen pay by far the highest electricity price within the capital cities of the EU-15 (though 55% is made up of taxes), while customers in Athens pay the least. Natural gas household customers in Stockholm pay by far the most within the capital cities of the EU-15 where end-user prices are over 70% higher than in the second most expensive city Copenhagen and close to five times as much as in the British capital city where Londoners enjoy by far the lowest prices. The incredibly high prices in Stockholm can largely be explained by the limited size of the residential market (there are only about 44,000 household gas customers in the whole of Sweden<sup>1</sup>) and the fact that gas heating is almost nonexistent in Sweden.

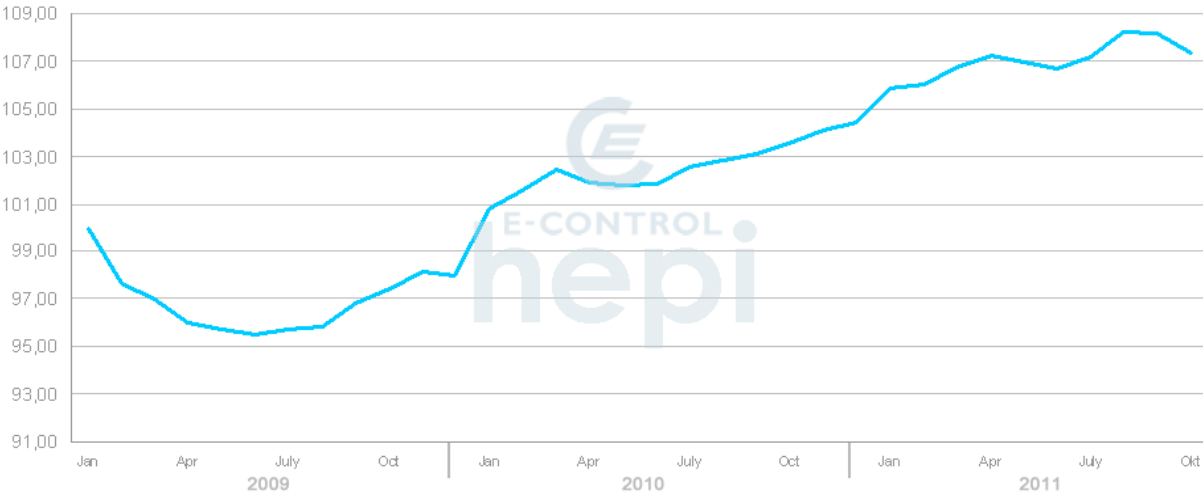
The breakdown of end-user energy prices into four components (energy, distribution, energy taxes and VAT) also shows major variations. Our survey shows that on average, the electricity price component (including retail margins) represents about 45% of the total cost, distribution 30%, energy taxes 12% and VAT 14%, whereas the natural gas price component (including retail margins) represents 53% of the total cost, distribution 24%, energy taxes 9% and VAT 14%. Copenhagen is a very unusual case; the cost of electricity as a commodity represents less than a fourth of the end-user price, by far the lowest of all surveyed cities, whereas the energy taxes represent an astonishing 35% (about three times the EU-15 average) and 55% if we include VAT. Overall, the results show that market forces represent only about half of the end-user price (both for electricity and gas) whereas national fiscal and regulatory elements are responsible for the other half through distribution tariffs, energy taxes and VAT.

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<sup>1</sup> The Energy Markets Inspectorate, The Swedish electricity and natural gas markets 2009, June 2010.

# EUROPEAN ENERGY PRICE DEVELOPMENT (EXCLUDING TAXES)

Development of European electricity prices ⚡



Development of European gas prices 🔥



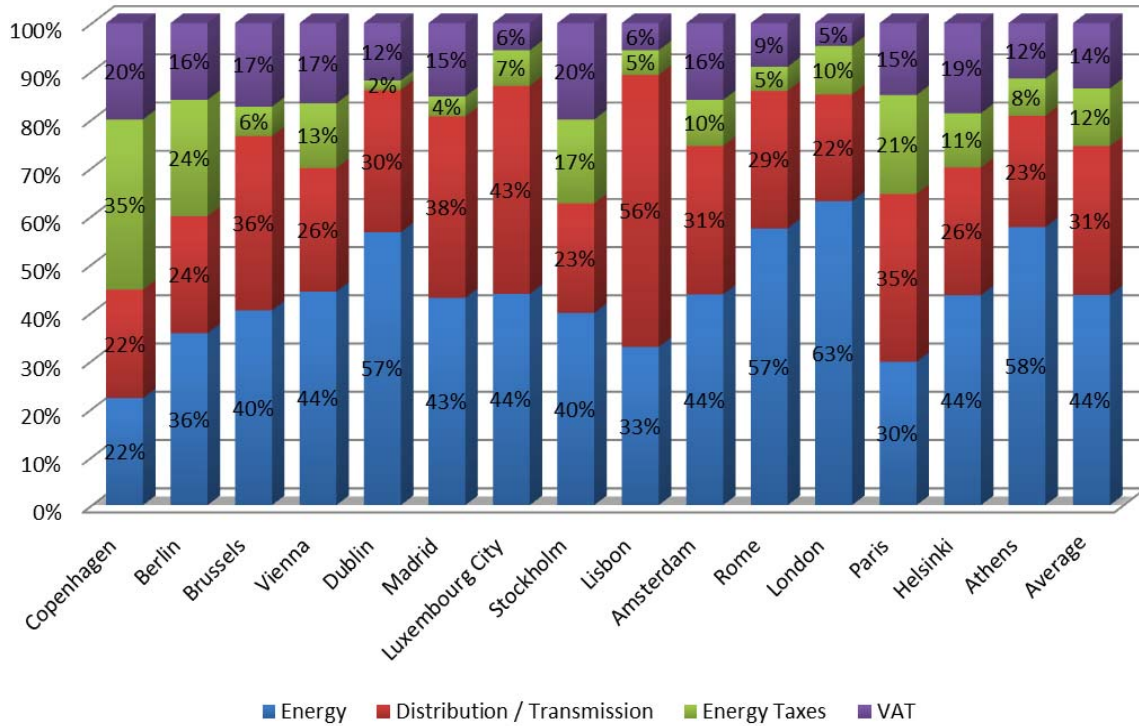
## TOTAL PRICE RANKINGS (INCLUDING ENERGY, DISTRIBUTION AND TAXES)

Electricity (all tax included)				Gas (all tax included)			
Ranking	City	Price in € cent / kWh	Change / previous month	Ranking	City	Price in € cent / kWh	Change / previous month
Most Expensive	1 Copenhagen	30,14	↓	Most Expensive	1 Stockholm	20,82	↓
	2 Berlin	25,11	→		2 Copenhagen	12,23	↑
	3 Brussels	23,18	↑		3 Rome	8,56	↑
	4 Dublin	21,36	↑		... <b>Average</b>	<b>8,24</b>	↑
	5 Madrid	20,84	↓		4 Vienna	7,72	↑
	6 Vienna	19,39	→		5 Brussels	7,56	↑
	... <b>Average</b>	<b>19,05</b>	↑		6 Athens	7,48	↑
	7 Lisbon	18,09	→		7 Berlin	7,07	→
	8 Luxembourg City	17,87	↑		8 Madrid	6,99	↑
	9 Amsterdam	17,82	→		9 Amsterdam	6,58	→
	10 Stockholm	17,76	↓		10 Paris	6,47	→
	11 Rome	16,59	→		11 Luxembourg City	6,41	→
	12 London	15,62	↑		12 Dublin	6,24	↑
	13 Helsinki	15,12	↓		13 Lisbon	6,16	→
	14 Paris	13,92	→	Cheapest	14 London	5,10	↑
Cheapest	15 Athens	12,95	→				

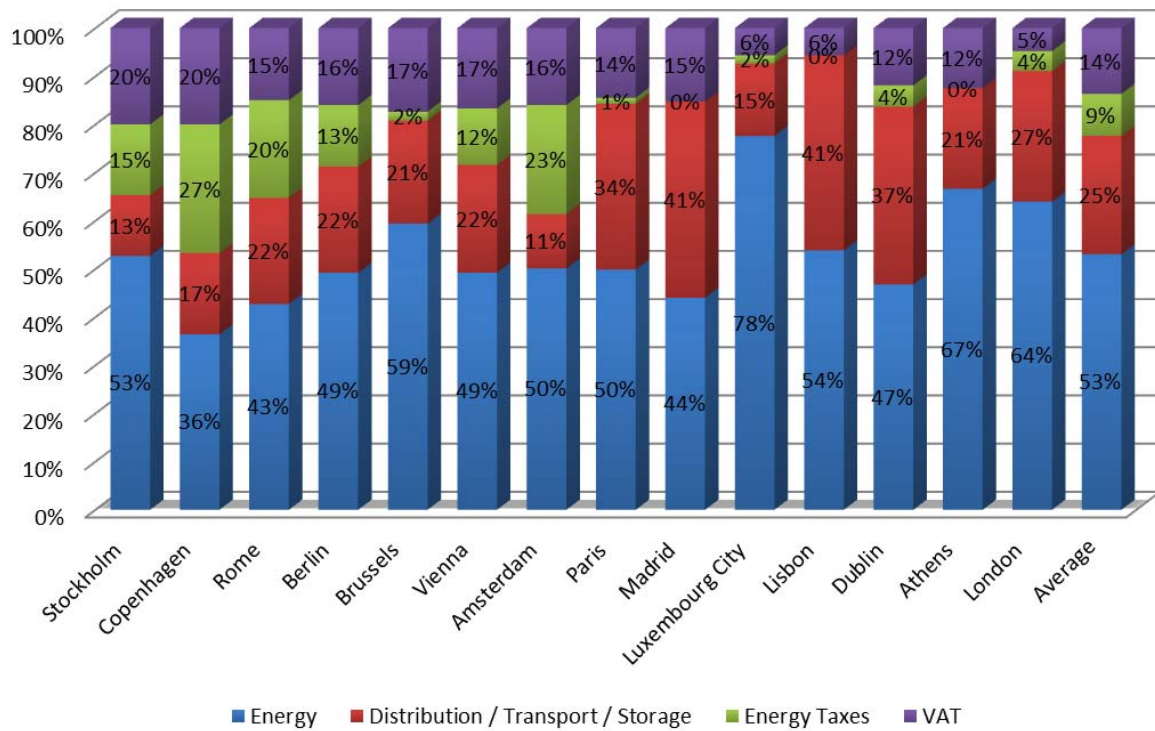
Source: E-Control and VaasaETT (prices as of October 1<sup>st</sup>, 2011)

# ENERGY PRICE BREAKDOWN

## Residential Electricity Price Breakdown



## Residential Gas Price Breakdown



Source: E-Control and VaasaETT (prices as of October 1<sup>st</sup>, 2011)

## What is the HEPI?

Based on the electricity and natural gas prices collected both for incumbents and competitor companies in capital cities of EU15 member states, E-Control Austria in cooperation with VaasaETT has compiled The Household Energy Price Index, HEPI. The HEPI is a weighted end user price index that assesses overall price developments in Europe.

The HEPI is Europe's only independent comparative monthly index of electricity and gas prices across the 'EU 15' states. Data is collected directly from utilities and authorities in the respective markets, using a thorough, precise and comparative definition and methodology.

The HEPI project also compiles and publishes a monthly ranking and analysis of capital city prices within the EU15.

E-Control Austria and VaasaETT will continue to publish HEPI every month.

## For More Information

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*Subscribe to the free monthly update of the HEPI index for Europe. Get the latest prices delivered automatically to your email. Just send an email request to Christophe Dromacque*

## About the Authors

### E-Control

E-Control (Energie-Control Austria) was set up by the legislator on the basis of the new Energy Liberalisation Act and took up work on 1 March 2001. E-Control is headed by Mr Walter Boltz and Mr Martin Graf as managing directors and is entrusted with monitoring, supporting and, where necessary, regulating the implementation of the liberalization of the Austrian electricity and natural gas markets.

**More at: [www.e-control.at](http://www.e-control.at)**

### VaasaETT Global Energy Think Tank

The VaasaETT Global Energy Think-Tank is a leading independent think-tank for the global utilities industry. A unique collaborative concept based on the philosophy of value-for-all through its network of thousands of senior executives, officials, researchers and other experts who are for the most part known and trusted personally.

The Think-Tank focuses broadly on practical strategic business and market issues including Marketing, Psychology, Behaviour and Market Requirements relating to Successful Competition, Customer Switching & Loyalty, Smart Grid, Demand Response, Smart Home and Energy Efficiency, as well as envisioning state of the art innovations and developments.

Our service fall into three main categories: Community, Collaborative Projects and Consultancy & Research.

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