

Single Electricity Market Update

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SEMO



Background

- 2 years in operation
- Gross Mandatory Pool
- All Suppliers
- All Generations units over 10 MW
- Trading and Settlement Code



Participants in the SEM

- **Registered Capacity in the Market: 9899 MW**

– Thermal plant	8191 MM
– Wind	1186MW
– Pumped Storage	292 MW
– Hydro	216 MW
– Biomass	14 MW

- **50 Participants have registered in SEM**

- 8 new Participants have joined the SEM in 2009

- **42 Participants have registered Generator Units**

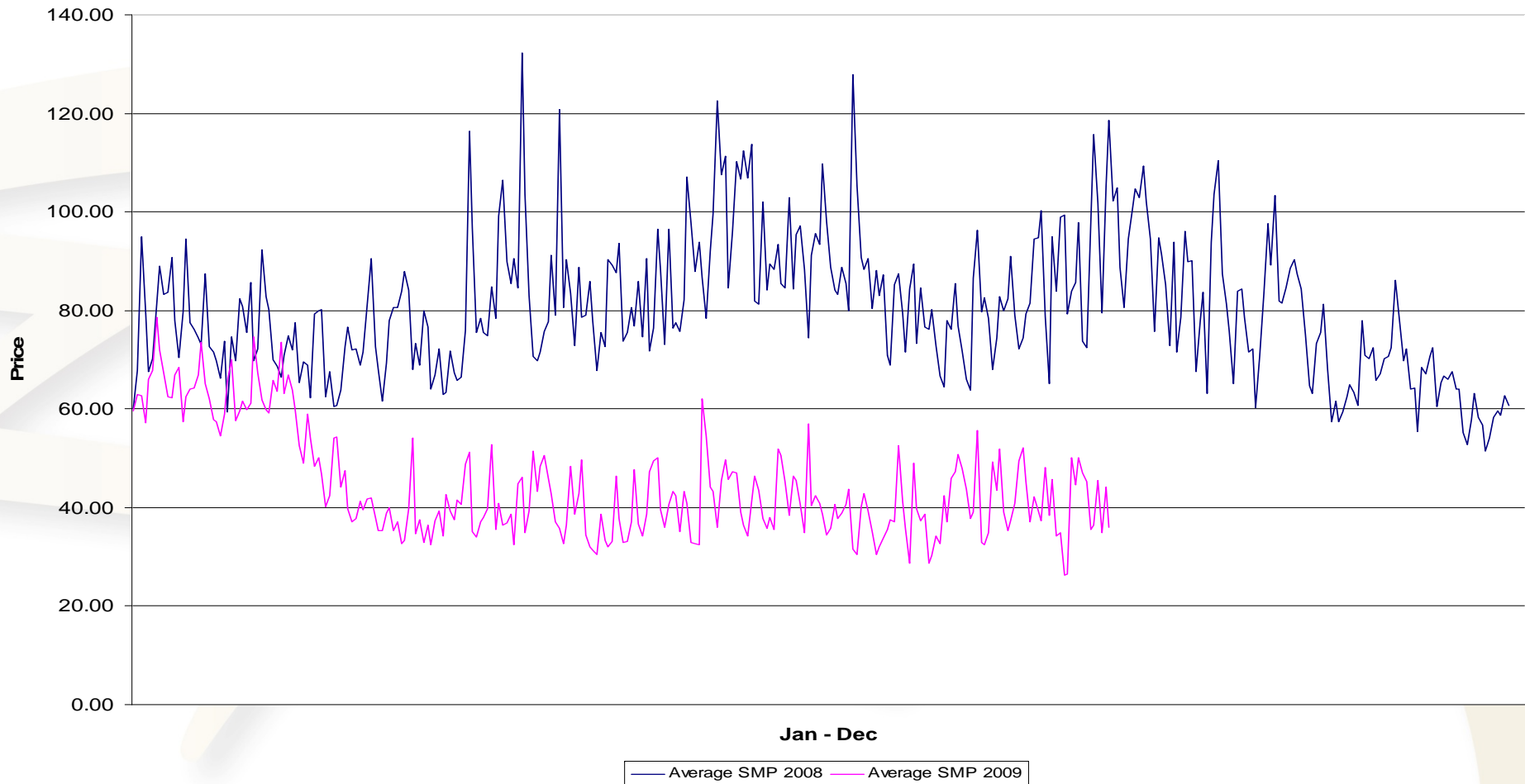


Financial Summary

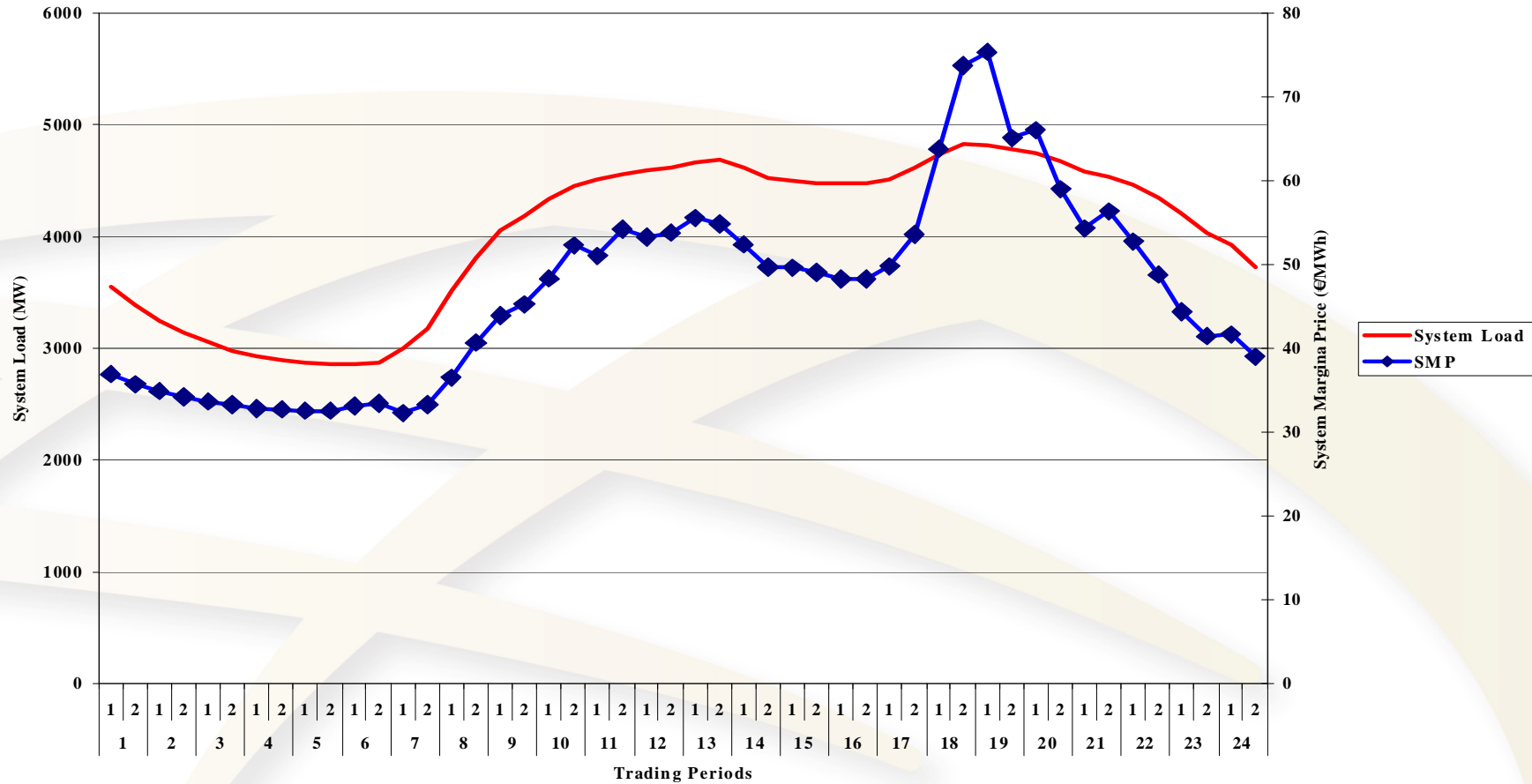
	November 07 to September 08 11 mths EUR m	October 08 to August 09 11 mths EUR m	% Change
Energy Payments	€2,626	€1,831	-30%
Constraints	€16	€3	-19.8%
Capacity	€442	€553	25%
	€3,183	€2,477	-22%



Avg. Daily SMP 2008 v 2009



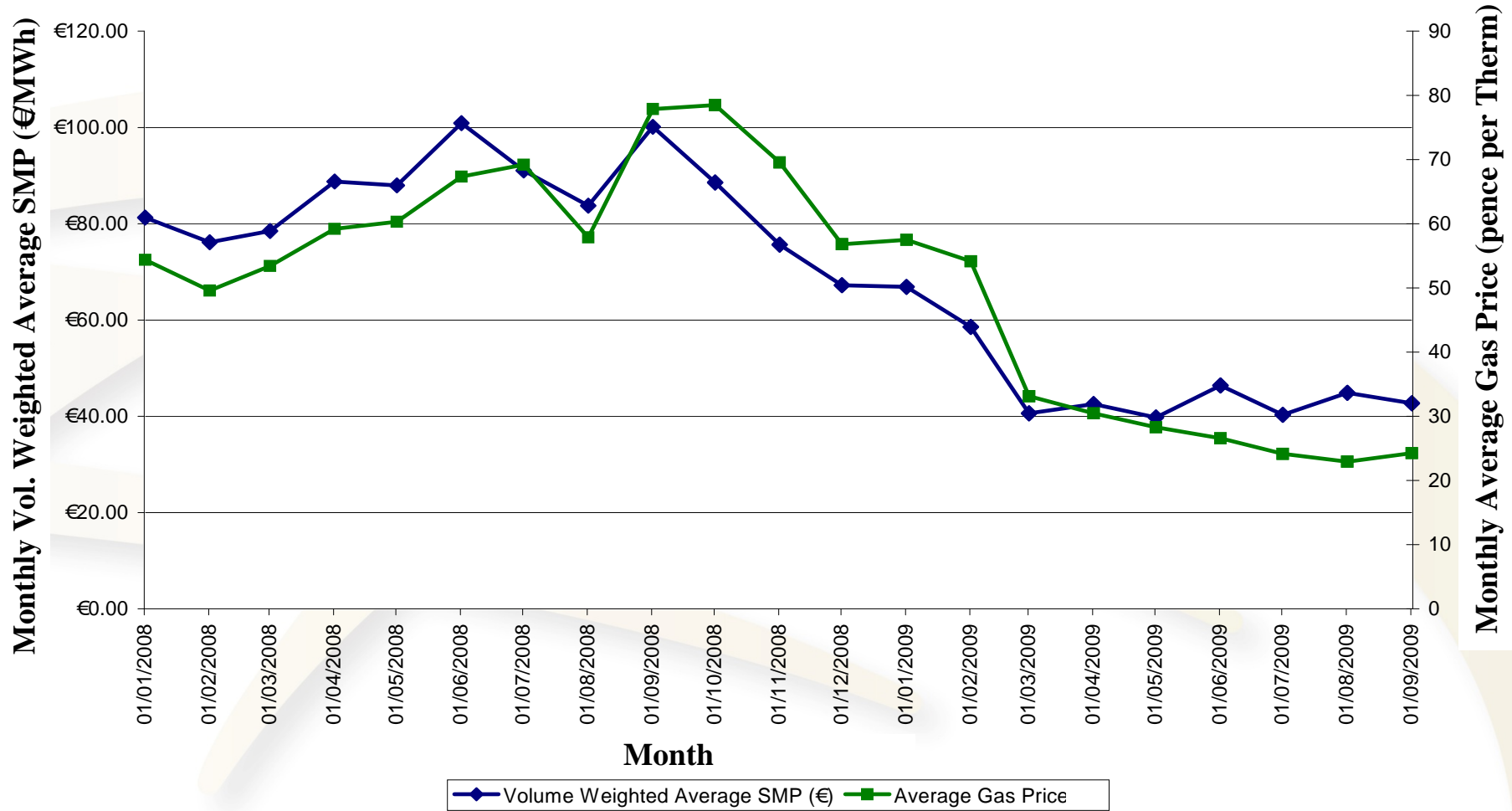
Ex-Post Initial Market - 2009



- Year to date Demand Reduction

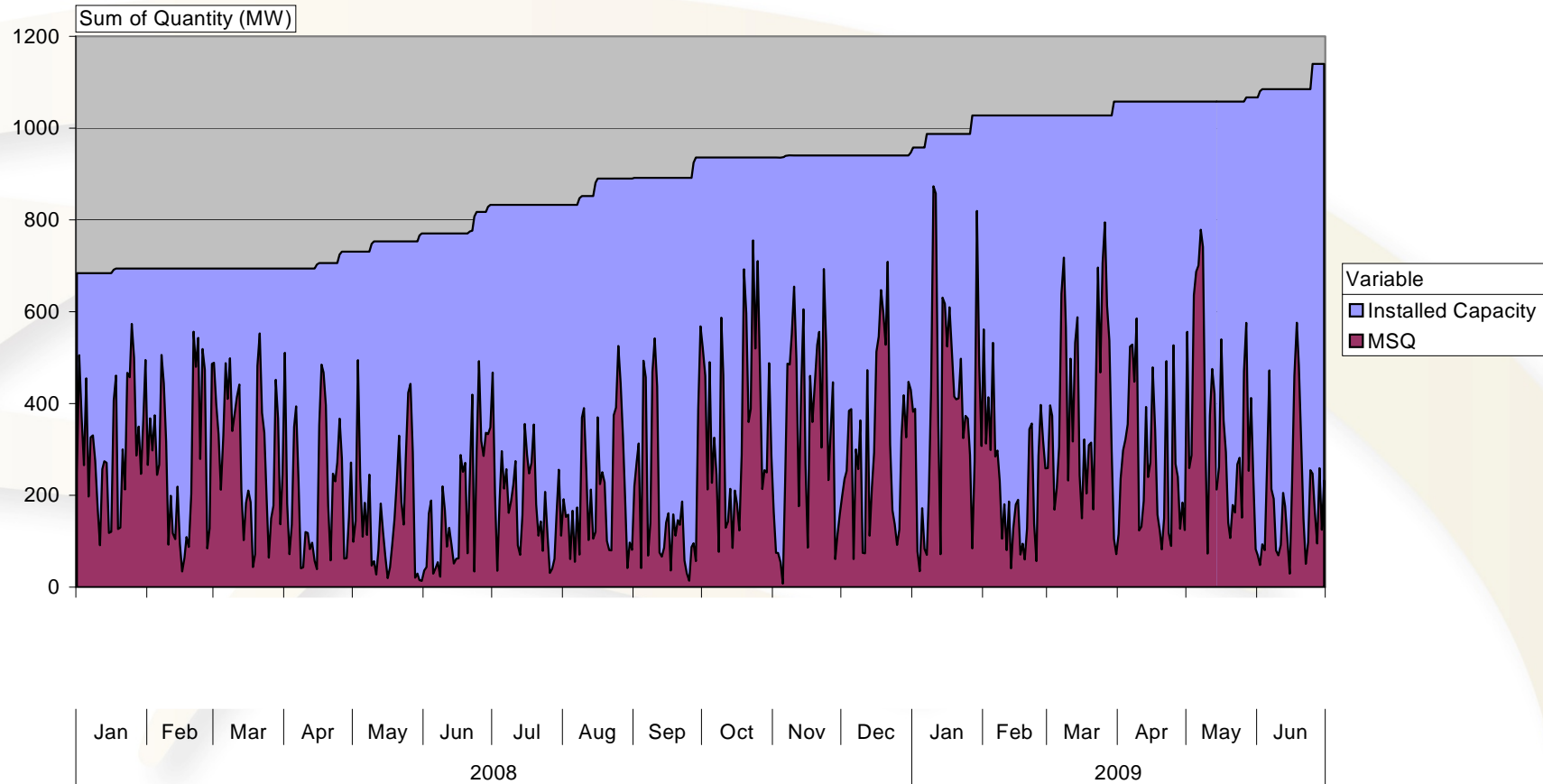


SMP to Gas Prices 2008/2009



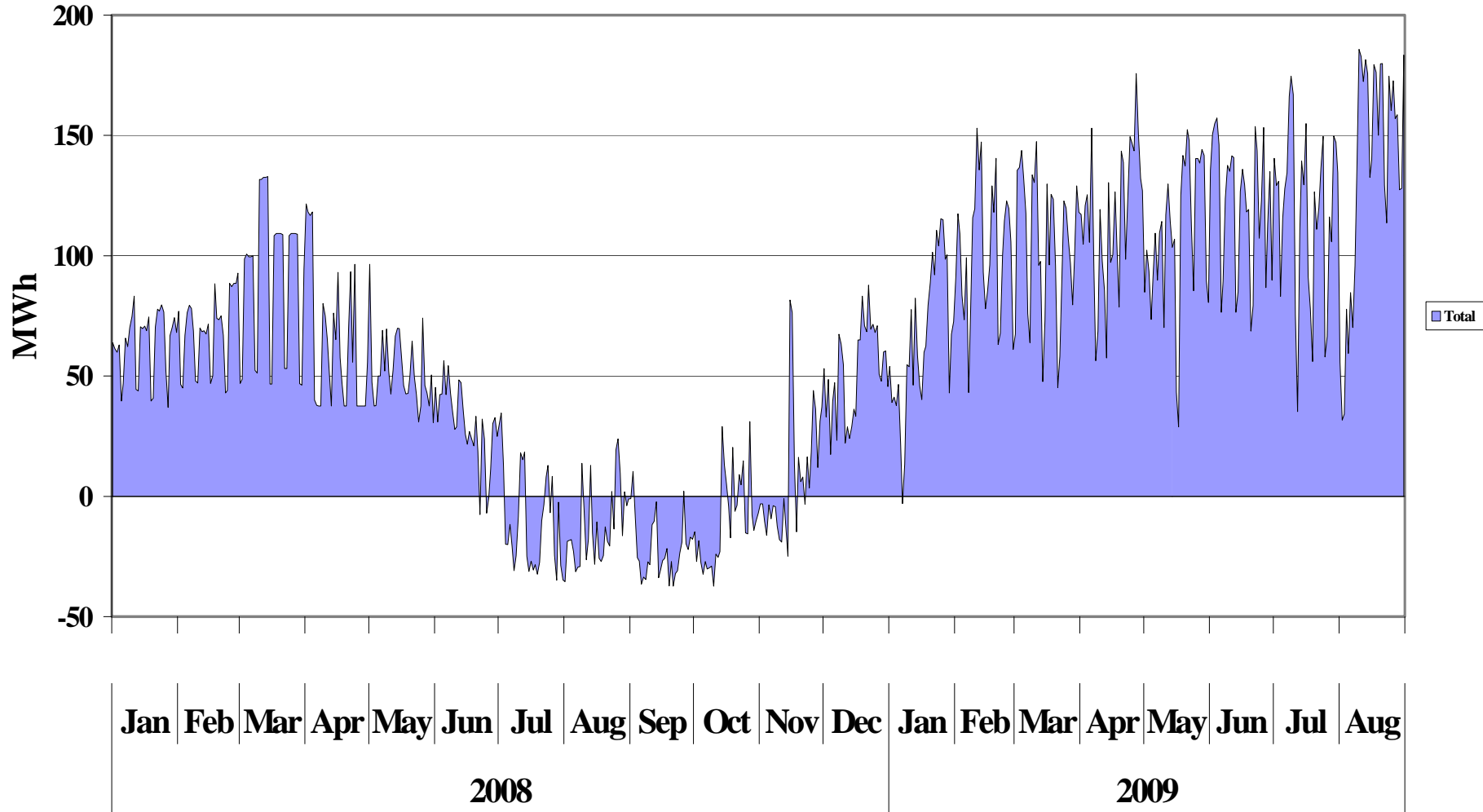
WIND – Metered Quantity v Installed Capacity

FUEL_TYPE|WIND

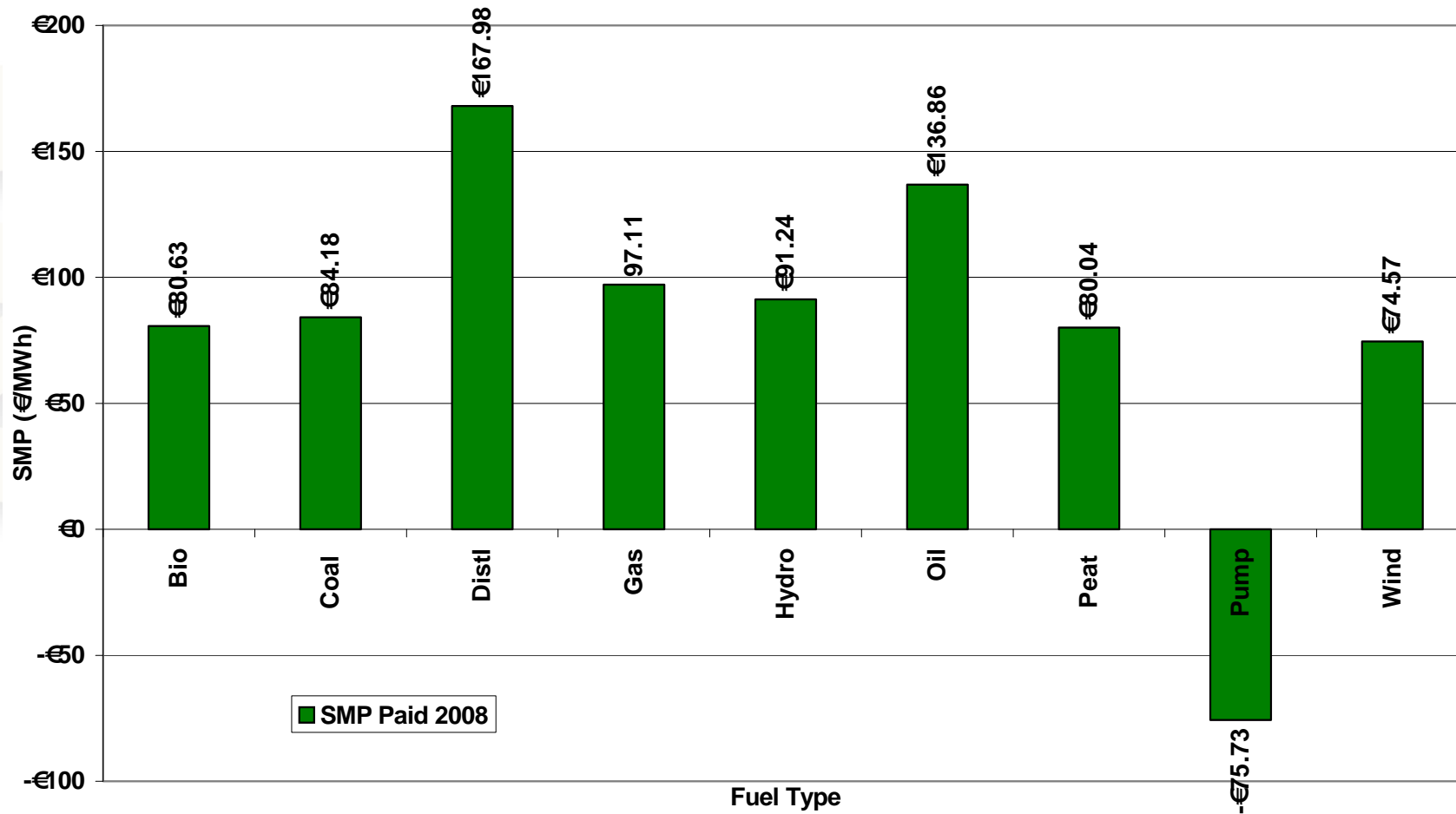


33% Load factor

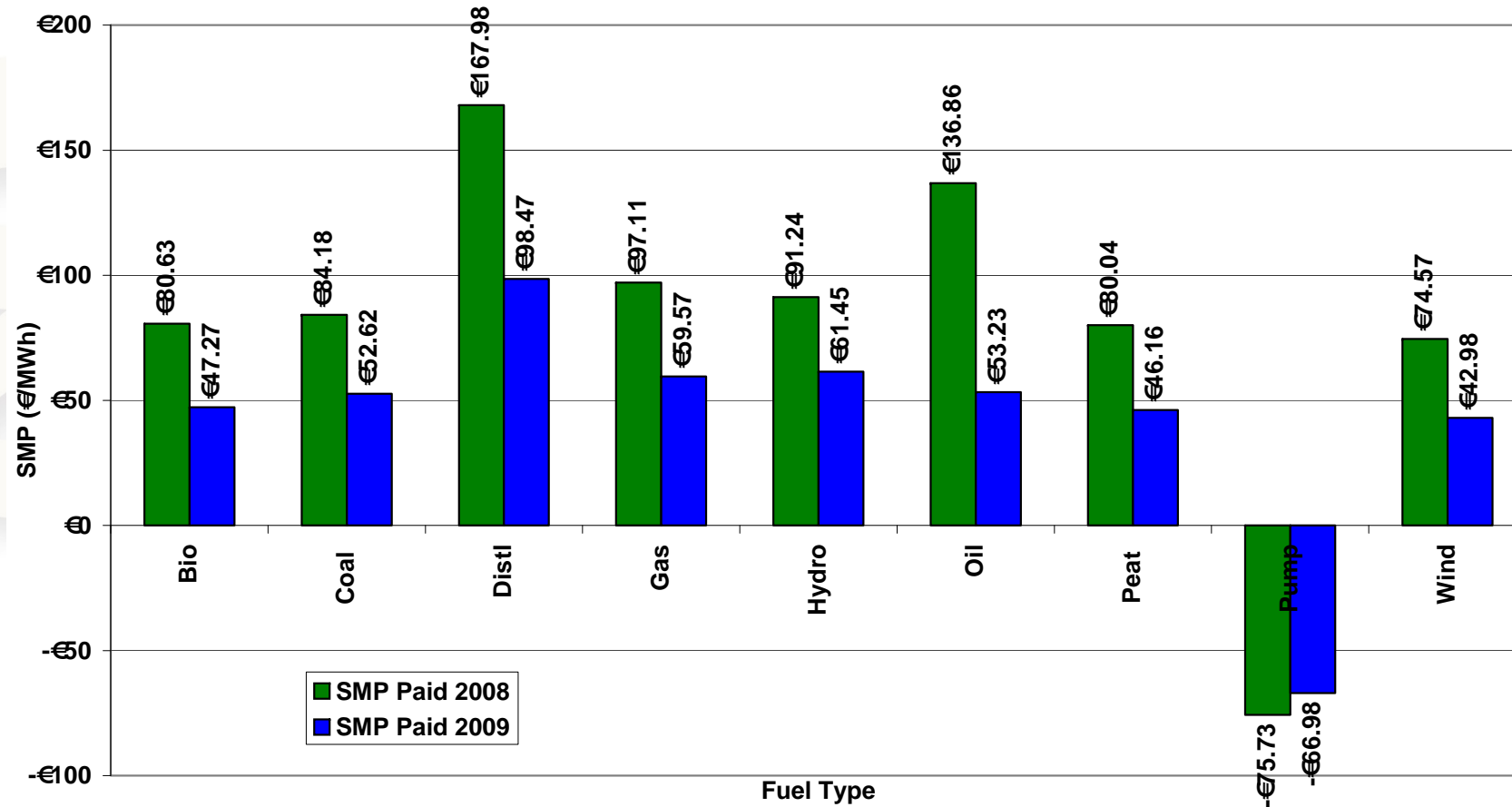
Interconnector Flows



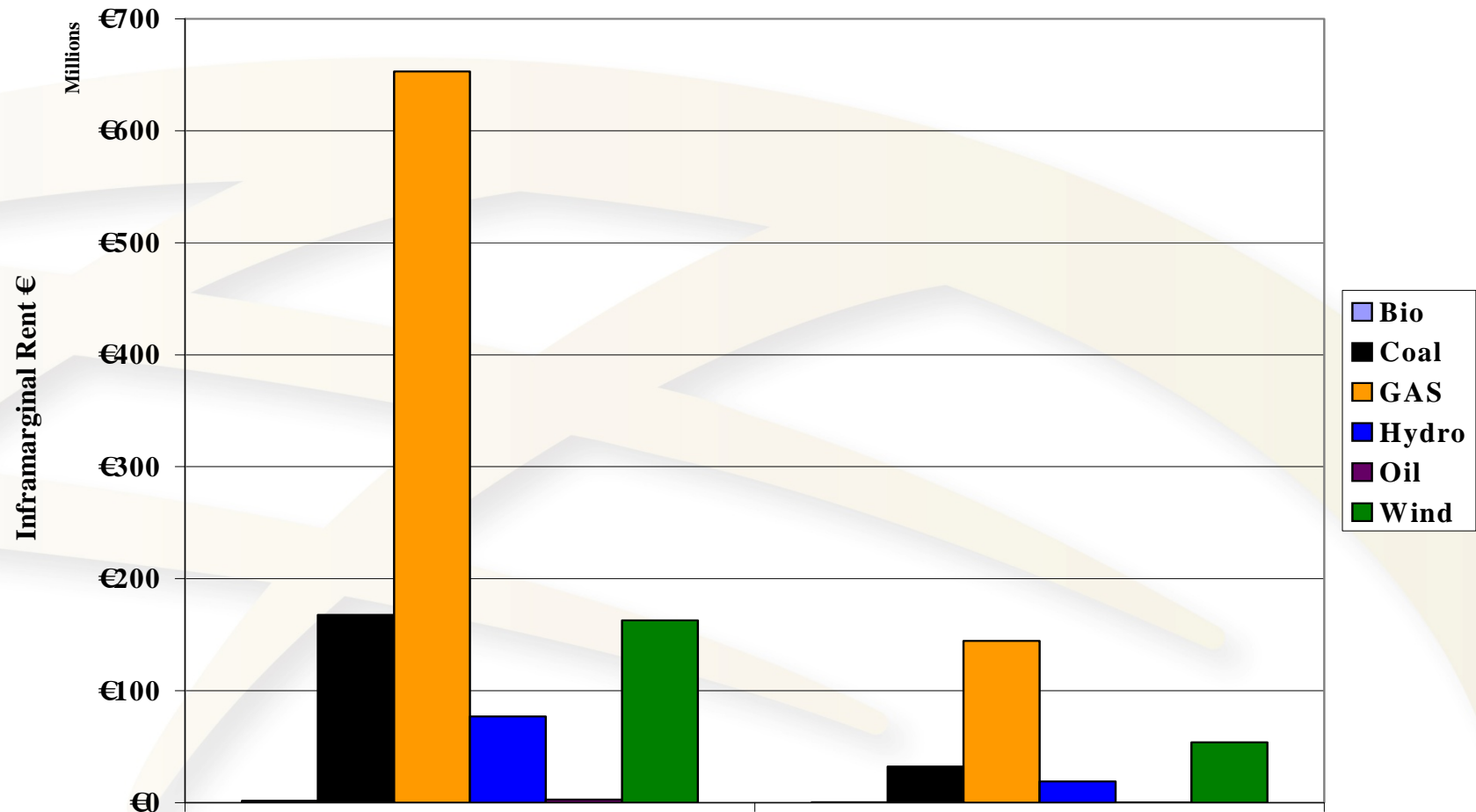
Average System Marginal Price by Type in SEM



Average System Marginal Price by Type in SEM



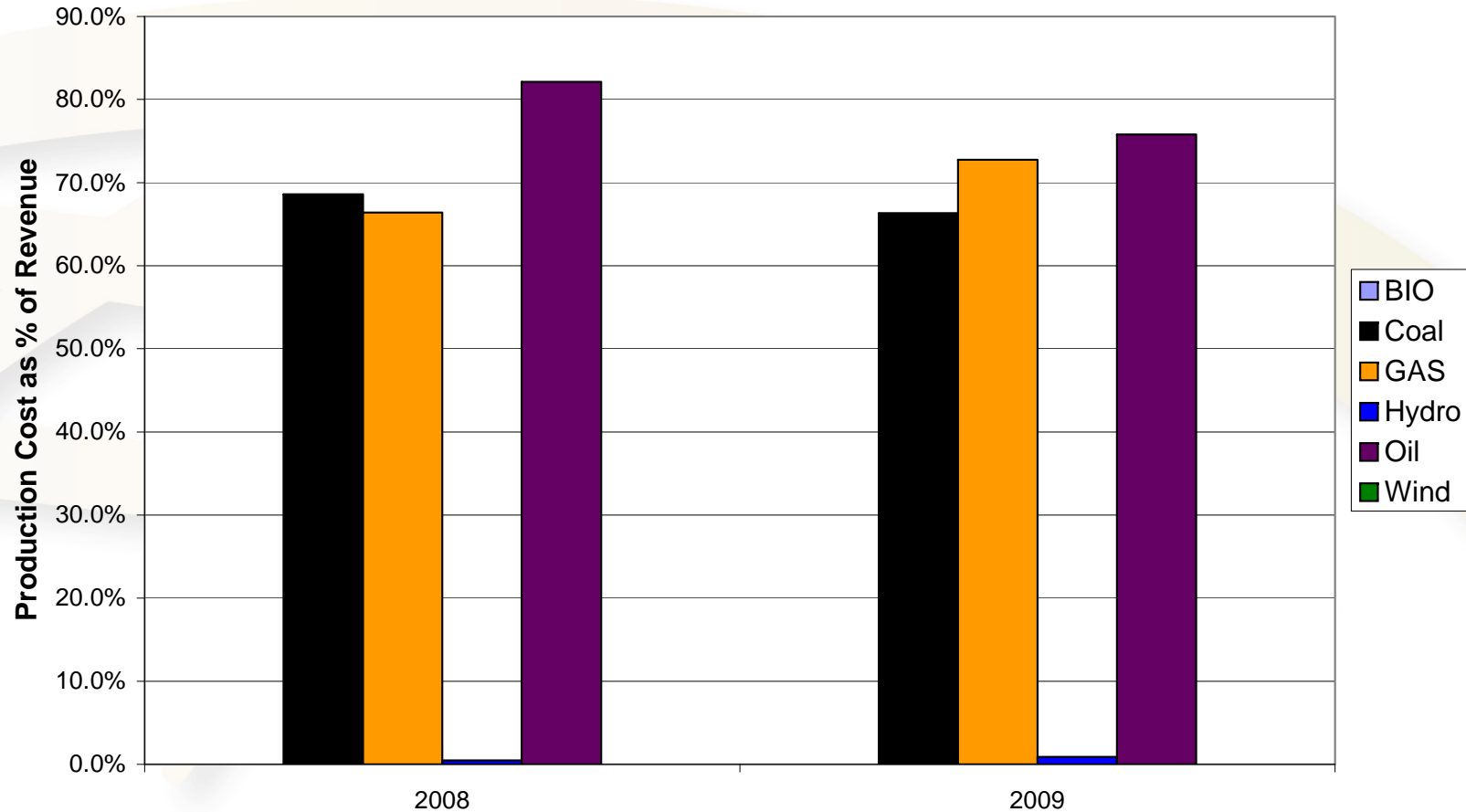
Inframarginal Rent in the SEM



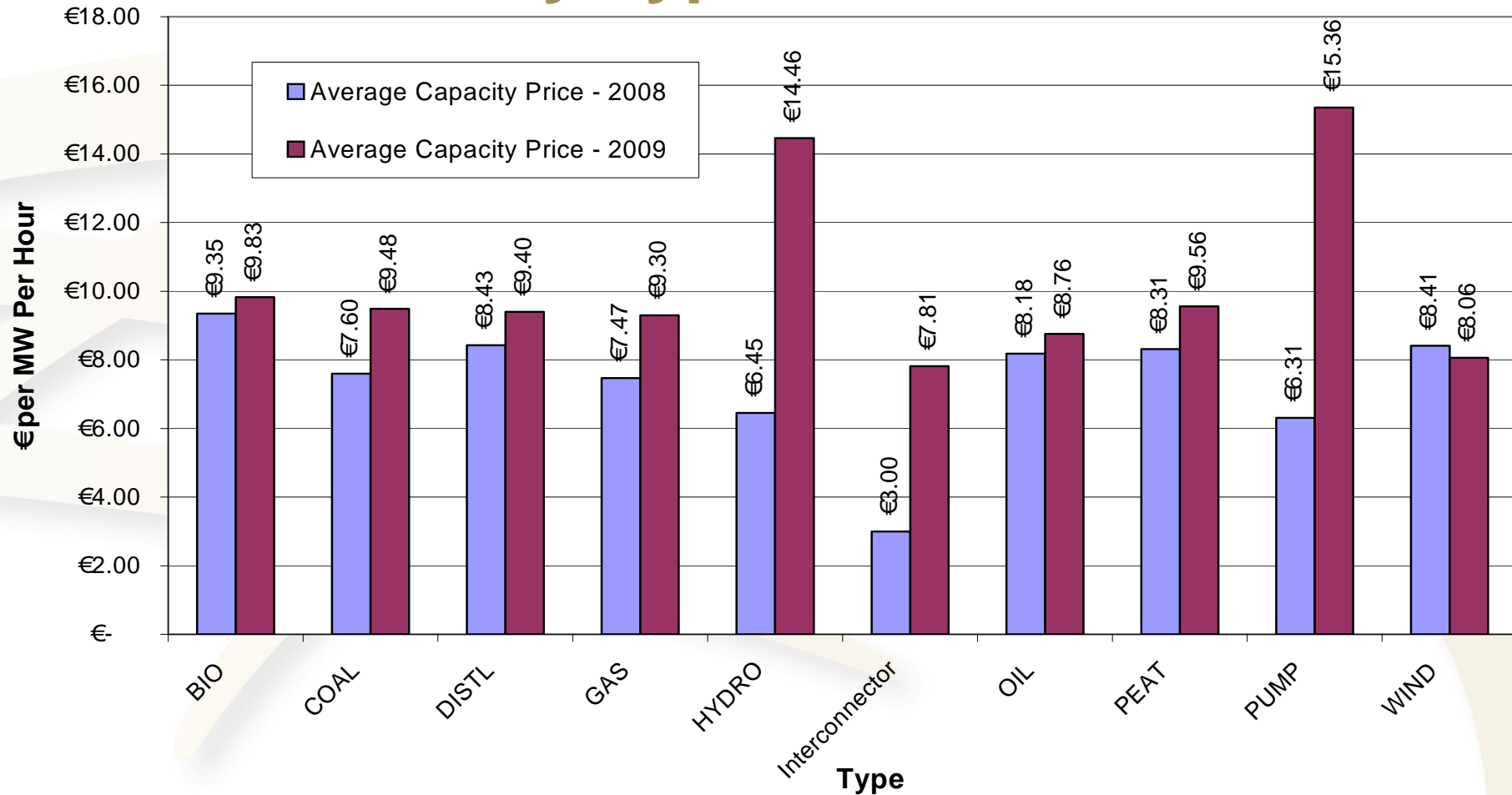
2009 Jan - DEC

2009 Jan - June

Production Cost as % of Revenue



Average Capacity Price by Type in SEM



Challenges

- Interconnection
 - greater levels of interconnection to the island of Ireland from neighbouring power systems
 - Evolution of market rules with respect to the integration of interconnection capacity is essential
- Renewable
 - Further renewable penetration
 - the development of complementary technologies



Conclusions

- Market operated successfully for the last two year
- The SMP reduced over the two year period
- Fuel cost are still a significant percentage of SEM costs
- Flow on the interconnector driven by price arbitrage
- Capacity Payment increased as a percentage of SEM
- Developments will be challenging but achievable



Further Details

Thank You

Questions Welcome

For further details on the Single Electricity Market please see:

www.sem-o.com

