

# 3<sup>rd</sup> ACER Gas Target Model Workshop

3<sup>rd</sup> ACER GTM workshop, Brussels, 15 May 2014



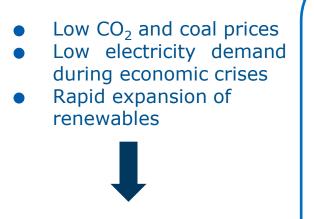
# 8. Role of gas-fired power plants in low carbon electricity markets

*Wynne Jones Frontier Economics* 

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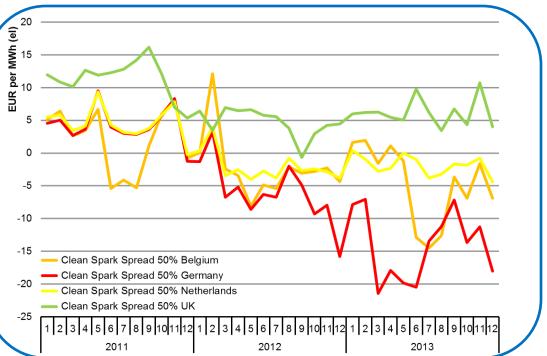


## **Profitability of gas fire power plants**



Decline in profitability
Some countries have

negative spark spreads



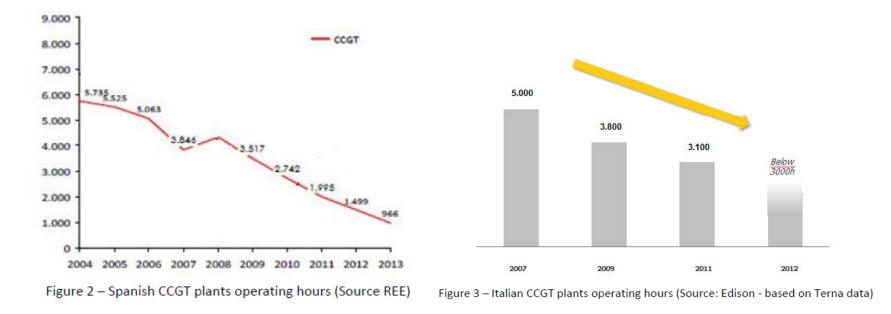
#### Problem is worst in NW Europe but by no means limited to this region

\*Graph based on data from Platts

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### **Decline in use of CCGTs**



Figures reproduced from 'Flexible Gas Markets for Variable Renewable Generation' Eurelectric , May 2014

Plant closures and lack of investment create SoS concerns

➔ MSs are considering implementing, or are already implementing, capacity mechanisms.



### **Role of gas sector regulatory/market arrangements**

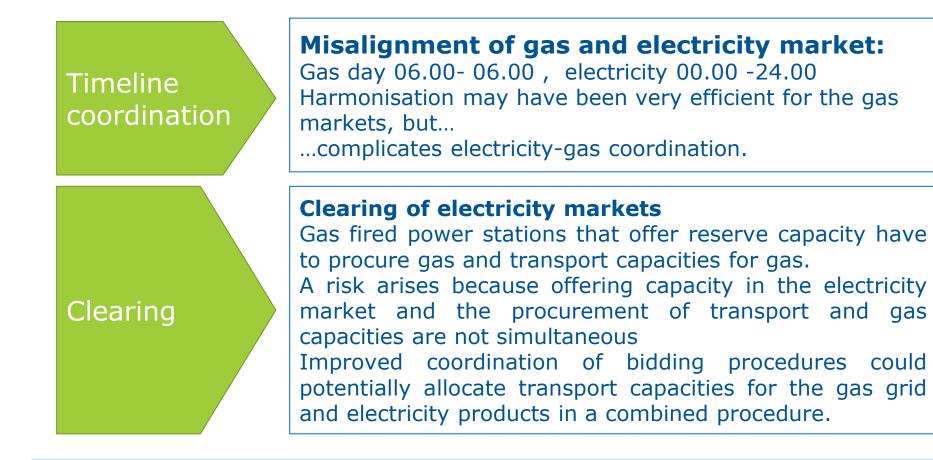
Gas sector has a Gas sector has a duty to make self interest in sure that gas not losing a fired plant can major source of make its full cost revenue for gas effective TSOs contribution to sustainable Viciou circle energy Self interest 'Duty'

The issue is not one of special subsidies for gas fired generation but of ensuring that monopoly elements of the gas sector are as responsive as possible to the needs of a major customer group

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## Potential initiatives (1)



#### But any harmonisation needs to be subject to a CBA

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## Potential initiatives (2)

Information sharing

#### Information sharing and transparency

Electricity TSOs could provide information on likelihood of dispatching gas-fired power plants contracted as reserve. Information should not only be shared between TSOs, but also with operators. Information about the state and capability of the gas network are important to plant operators and shippers in the gas market

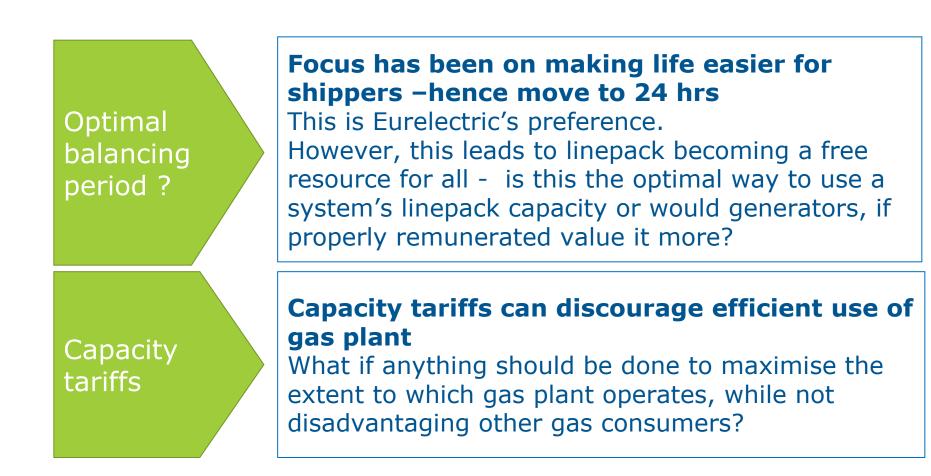
Access to storage

#### Access to storage is not always flexible

Storage products are sometimes bundled in ways that are not helpful. Unbundled products would allow bespoke use for generators who need to manage short term fluctuations



## Additional issues for discussion





# Thank you for your attention !