



# The Italian WhC scheme in 2017

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FEDERAZIONE ITALIANA PER  
L'USO RAZIONALE DELL'ENERGIA

# FIRE: the association for energy efficiency



Do you need a hand in energy management?



[www.fire-italia.org](http://www.fire-italia.org)

The **Italian Federation for the Rational use of Energy** is a no-profit association founded in 1987 that promotes energy efficiency, supporting energy manager, ESCOs and other companies dealing with energy.

Besides the activities directed to its nearly **450 members**, FIRE operates under an implementing agreement with the Ministry of Economic Development to manage the **Italian energy manager network** since 1992.

In order to **promote energy efficiency** FIRE cooperates and deals with public authorities, energy technology and service companies, consultants, medium and large consumers, universities and associations to **promote best practices** and **improve the legislation**.

FIRE manages SECEM - an accredited body - to certify the Energy management experts according to the standard UNI CEI 11339.

# FIRE: the association for energy efficiency



Besides being involved in many **European projects**, listed next, FIRE implement surveys and market studies on energy related topics, **information and dissemination campaigns**, and **advanced training**.

Some of FIRE **clients** over the years: Ministry of Environment, ENEA, GSE, RSE, large organizations (such as *Centria, ENEL, Ferrovie dello Stato, FIAT, Finmeccanica, Galbani, H3G, Poste Italiane, Telecom Italia, Unioncamere*), universities, associations, energy agencies and exhibition organizers.



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**Energy Efficiency**  
Financial Institutions Group



**EPATEE**



# The scheme basics (Italy)



Source: FIRE.

1 WhC = 1 additional toe  
Almost all sectors and all energy efficiency projects are allowed.

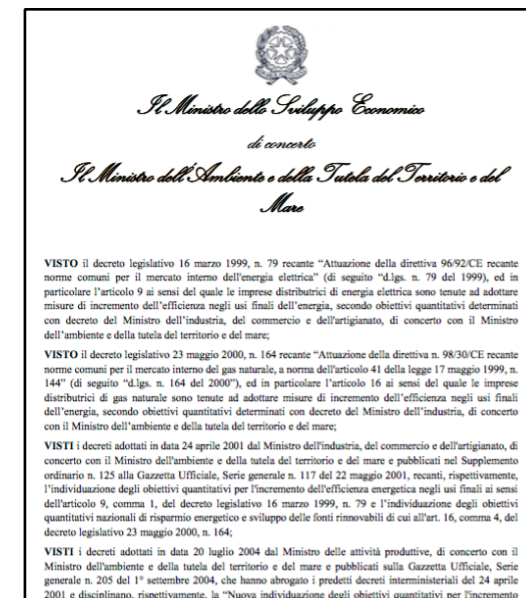
The price is determined on the market: 259 euro/WhC @ 29 of June 2017

47.573.173 WhC issued from 1 January 2005 to 31 May 2017.

# D.M. MiSE 11/01/17



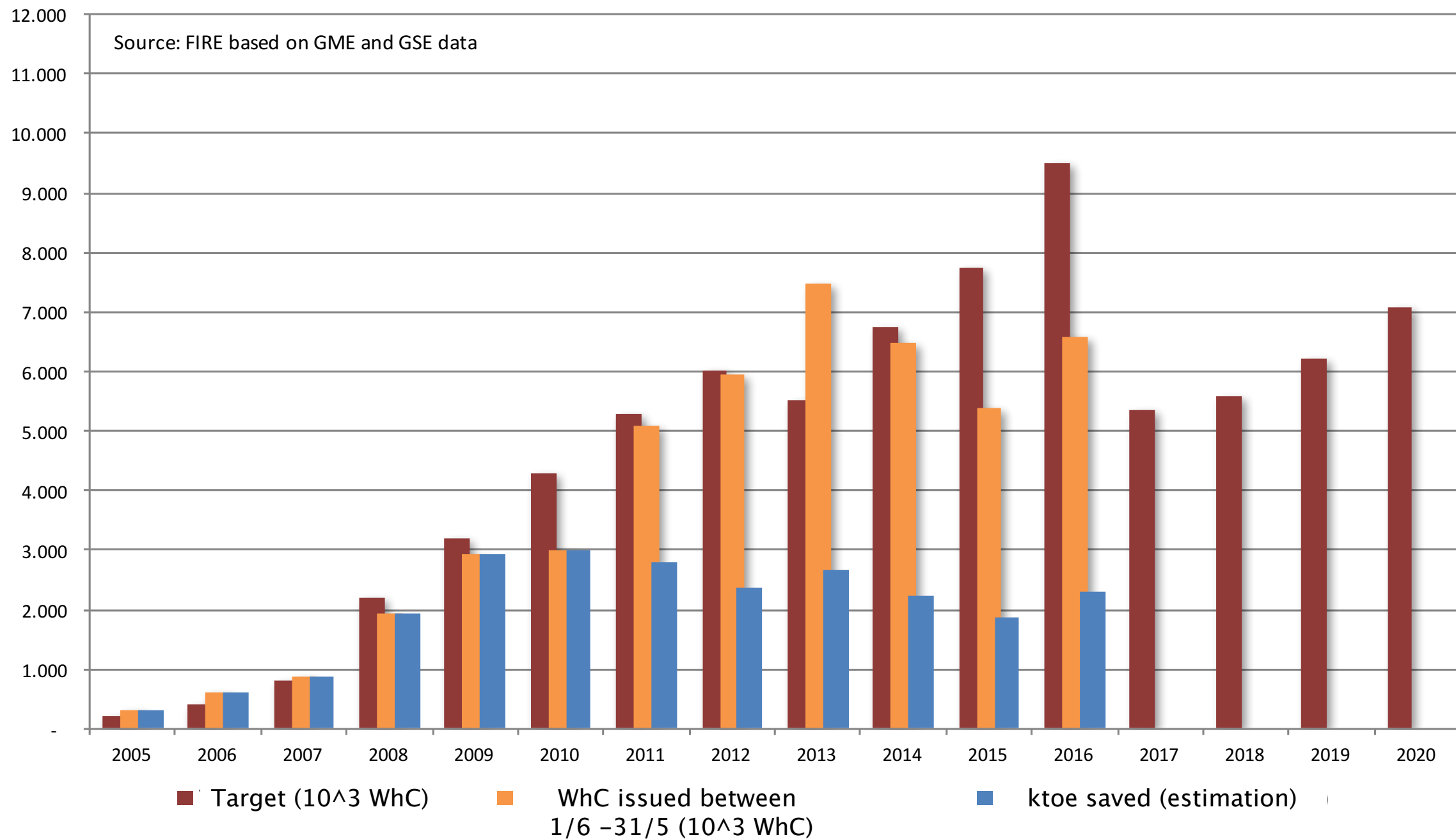
- New energy saving targets 2017–2020 (see next slide);
- Two new methods for the evaluation of the energy savings: PC (monitoring all parameters) and PS (monitoring a sample of parameters).
- 1 toe = 1 WhC
- WhC released for a period between 3 and 10 years (depending on the technology lifetime).
- 4 WhC types (electricity savings, gas savings etc.) instead of 8;
- New thresholds for the access: 5 WhC/year for PS and 10 WhC/year for PC.
- ESCOs, Energy experts and organizations with EMS must be certified (respectively UNI CEI 11352, UNI CEI 11339, ISO 50001).
- Industry will be the leader sector in our WhC scheme (new National Energy Strategy 2017, at present under public consultation).



# Targets 2005–2020



Targets as certificates and annual savings

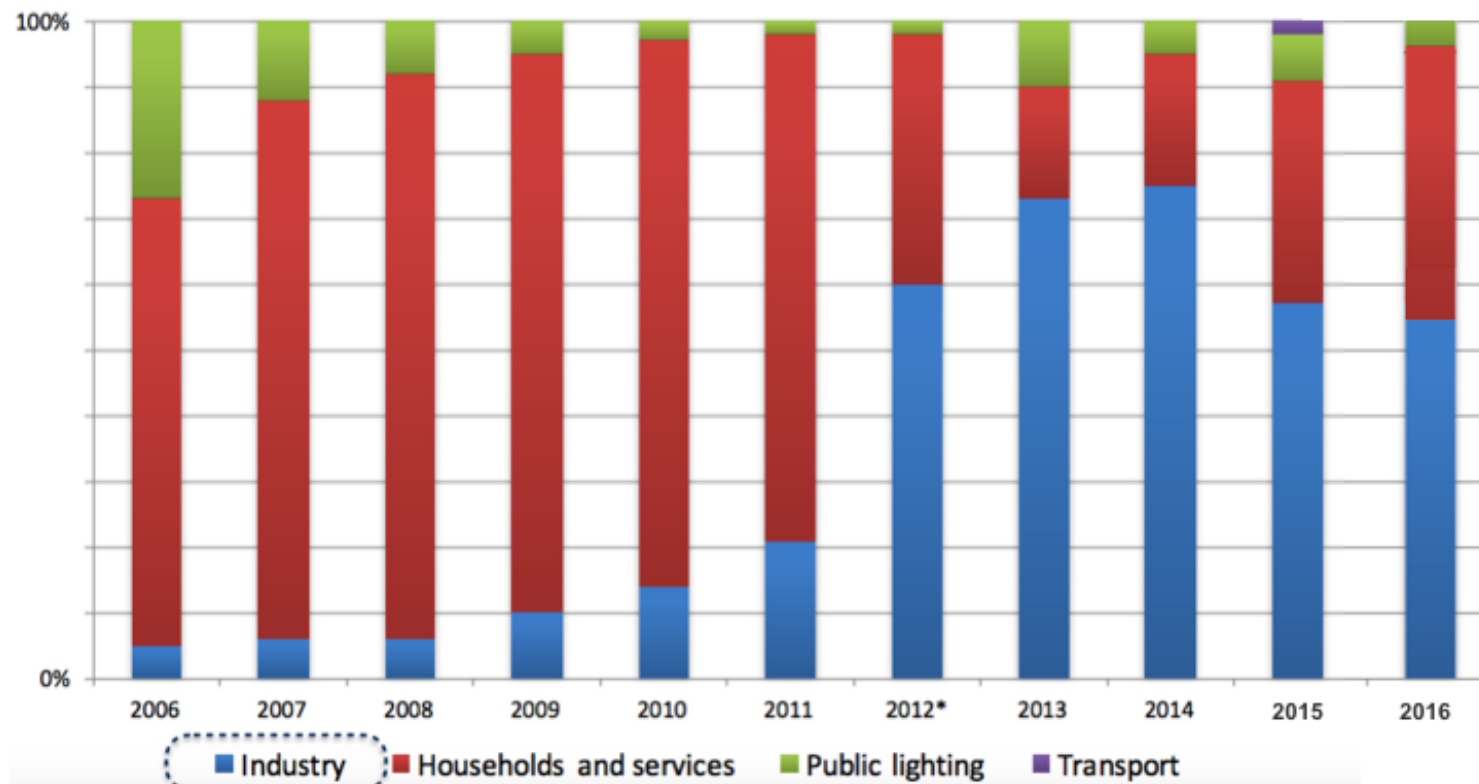


# Savings among sectors and data available



**Breakdown of savings among sectors (%)**

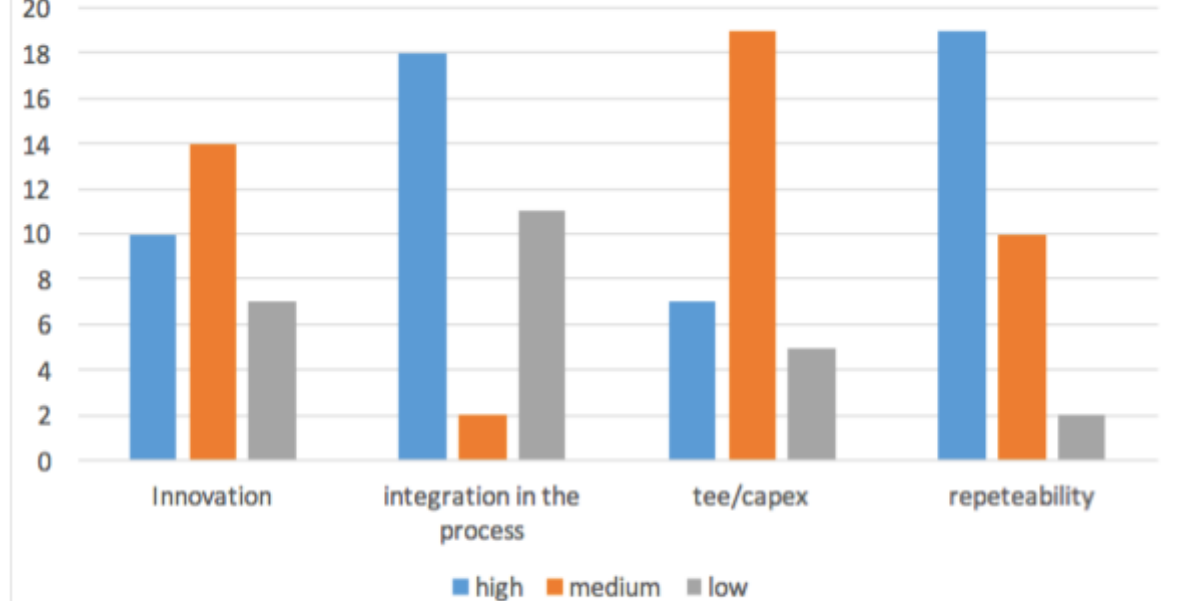
(Source: FIRE on AEEGSI and GSE data; 2012 data refers only to Jan-May)



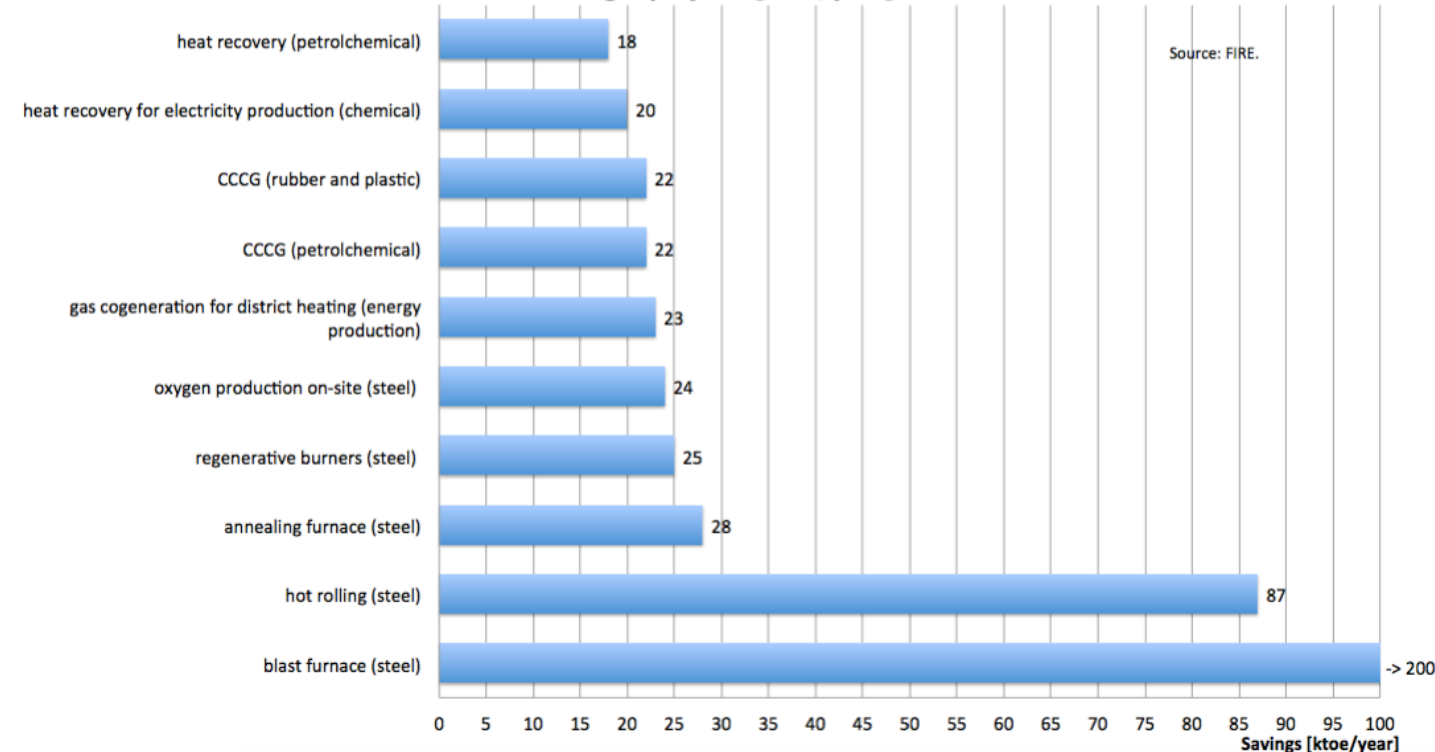
FIRE-ENEA analysis of WhC projects in Italy (2005-2013)



**Number of cases observed**



**Larger projects [ktoe/year]**



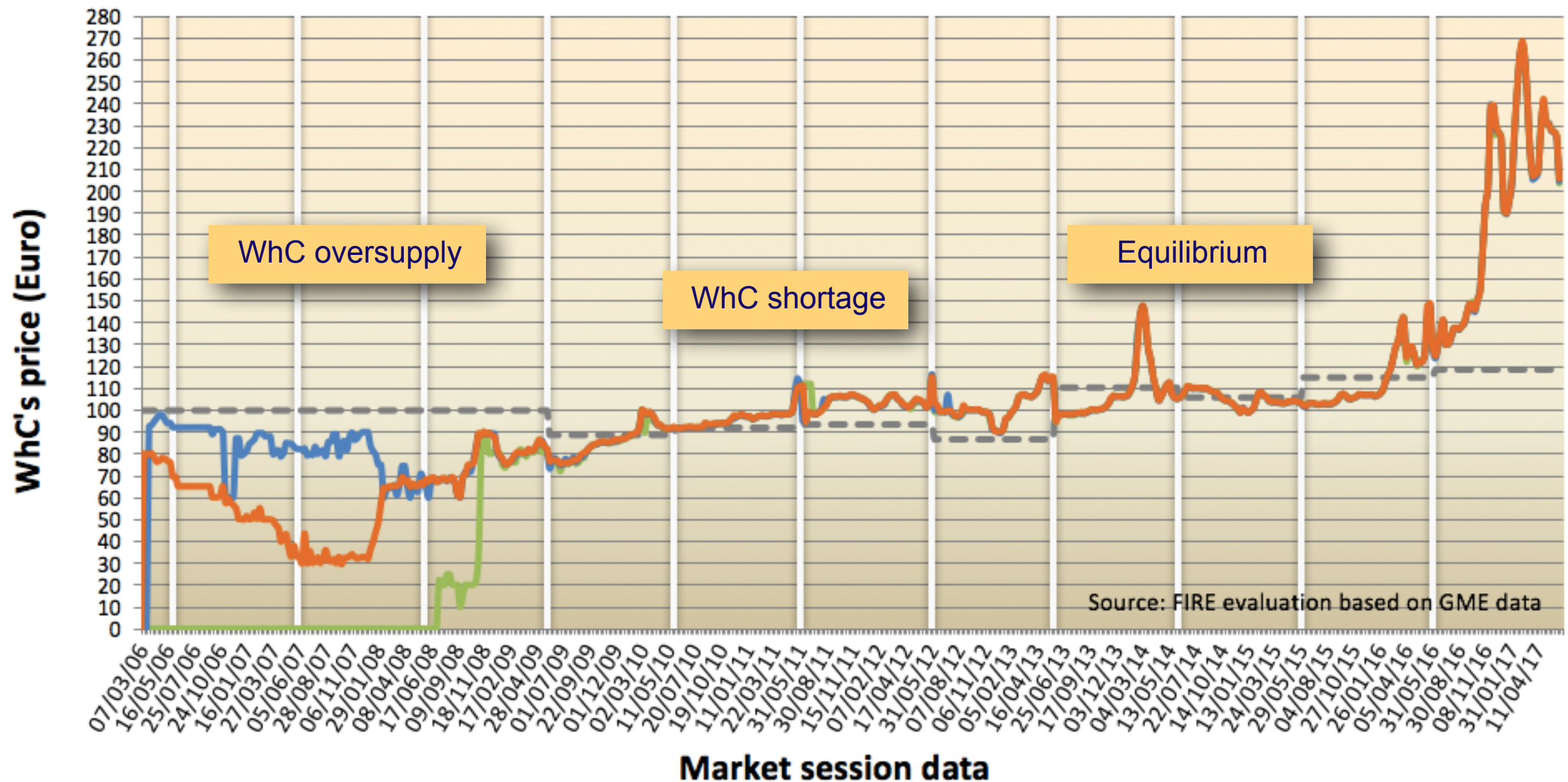
Source: FIRE.



# Prices and considerations



## WhC market price trend



■ "May 31st session"

--- "DSO's reimbursement"

— "Other fuels savings"

— "Gas savings"

— "Electricity savings"





# Thank you!

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