



11th Coal Dialogue

Mercedes Martín González
Managing Director
July, 8th 2015. Brussels

In 2014...Coal Will Be Green



CARBUNION



Spanish Coal Industry and the power stations

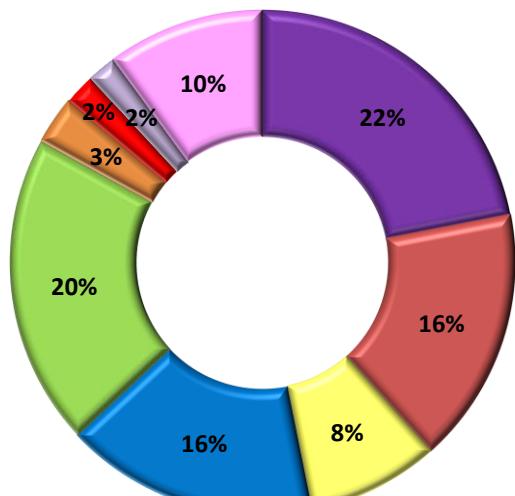
In 2014...Coal Will Be Green



CARBUNION

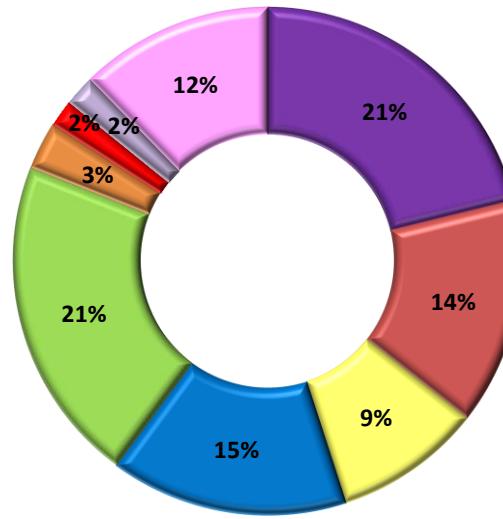
Coverage od the electricity demand. 2014 2013

2014



Generación neta: 253.563 GWh

2013



Generación neta: 260.331 GWh

Fuente REE. Elaboración propia

2014 and 2013 have had a very similar termal gap. In 2015 the termal gap has increased a 80% in contrast with 2014.

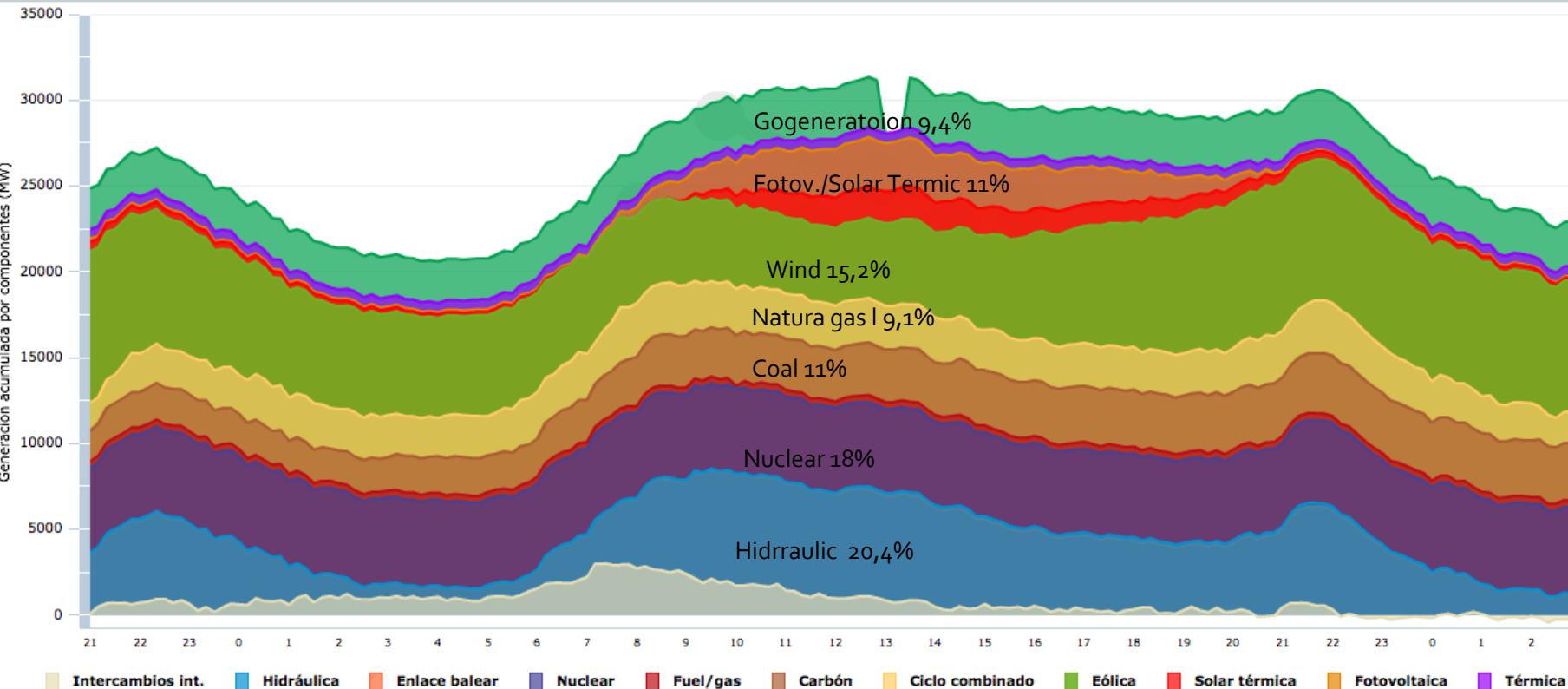
In 2014...Coal Will Be Green



Variability of the renewable energy. Role of coal

Monday May-25th-2015

Detalle de la estructura de generación en tiempo real



In 2014...Coal Will Be Green

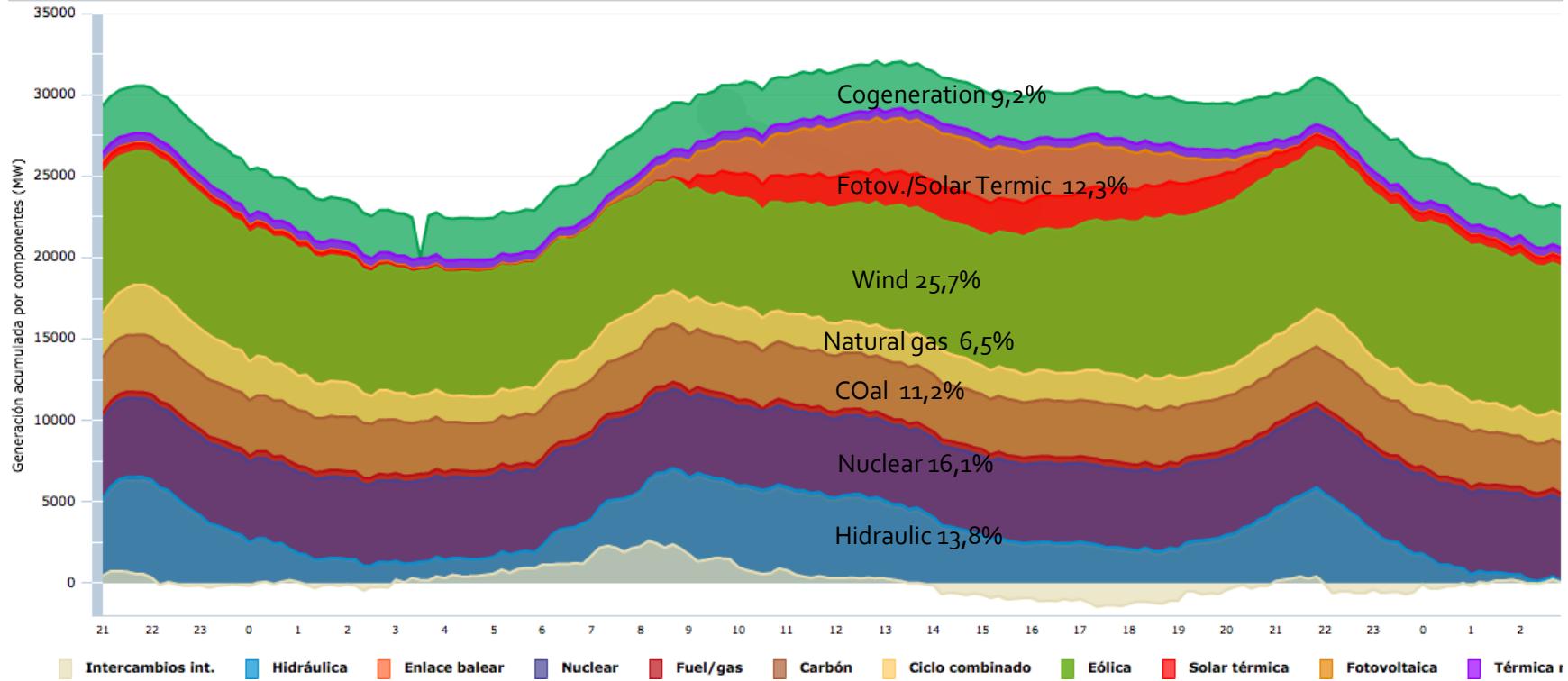


Variability of the renewable energy. Role of coal



Tuesday 26th- 2015

Detalle de la estructura de generación en tiempo real



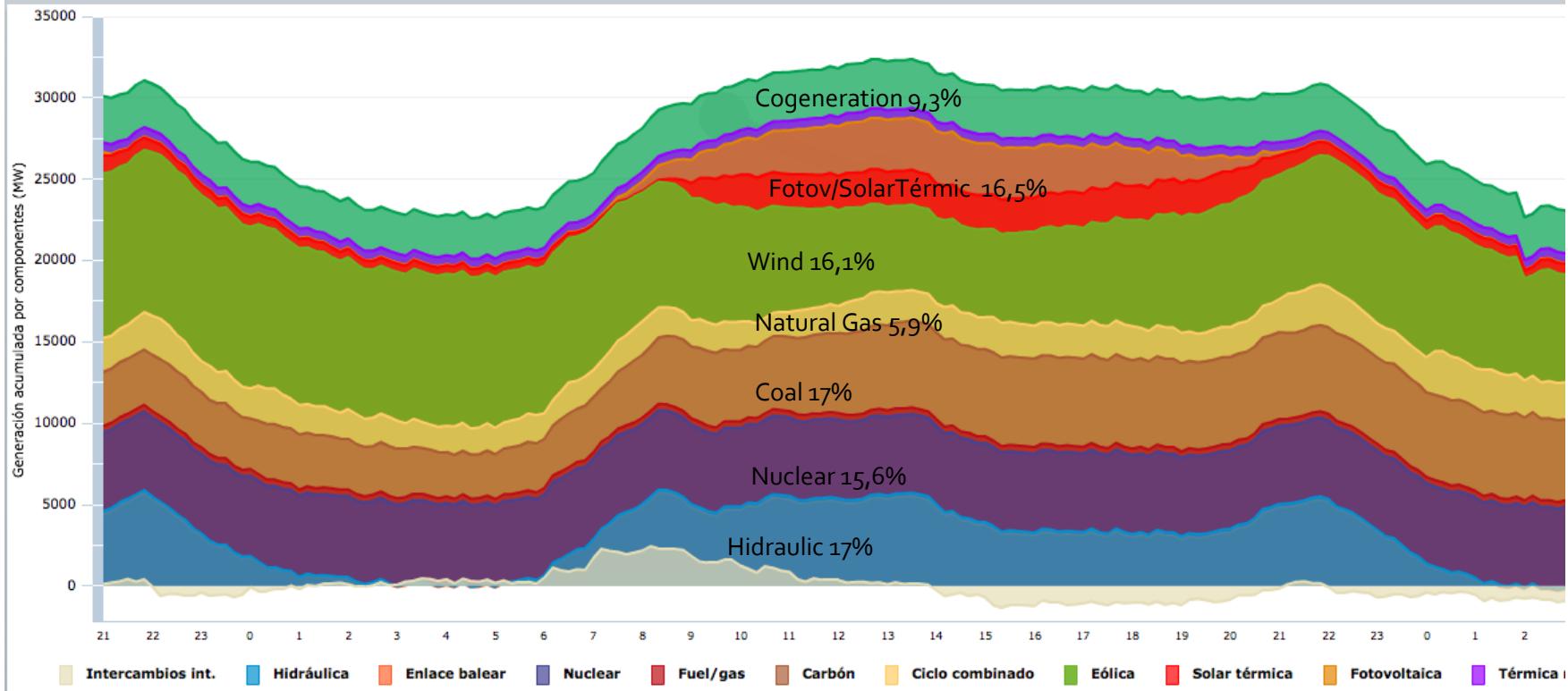
In 2014...Coal Will Be Green



Variability of the renewable energy. Role of coal

Wednesday 27th May 2015

Detalle de la estructura de generación en tiempo real



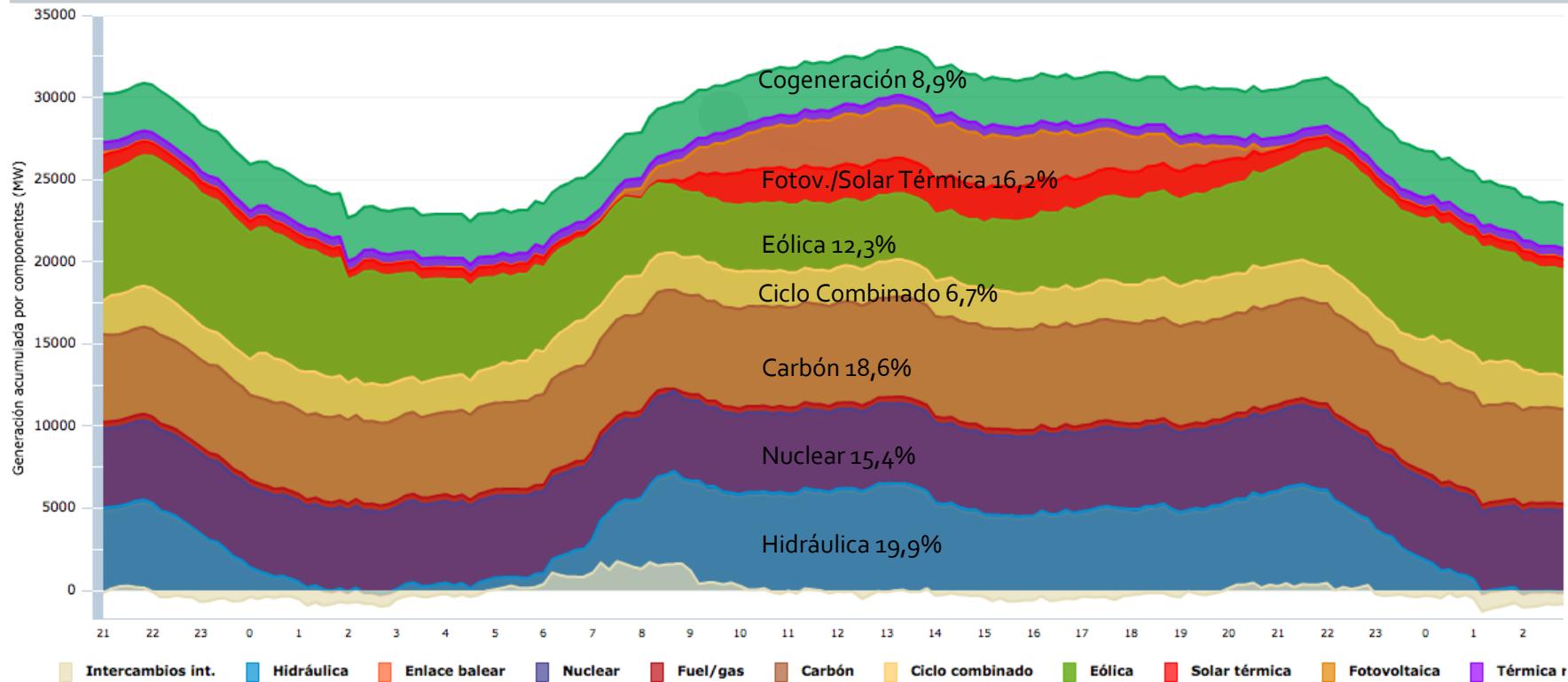
In 2014...Coal Will Be Green



Variability of the renewable energy. Role of coal

Thrusday May 28th - 2015

Detalle de la estructura de generación en tiempo real



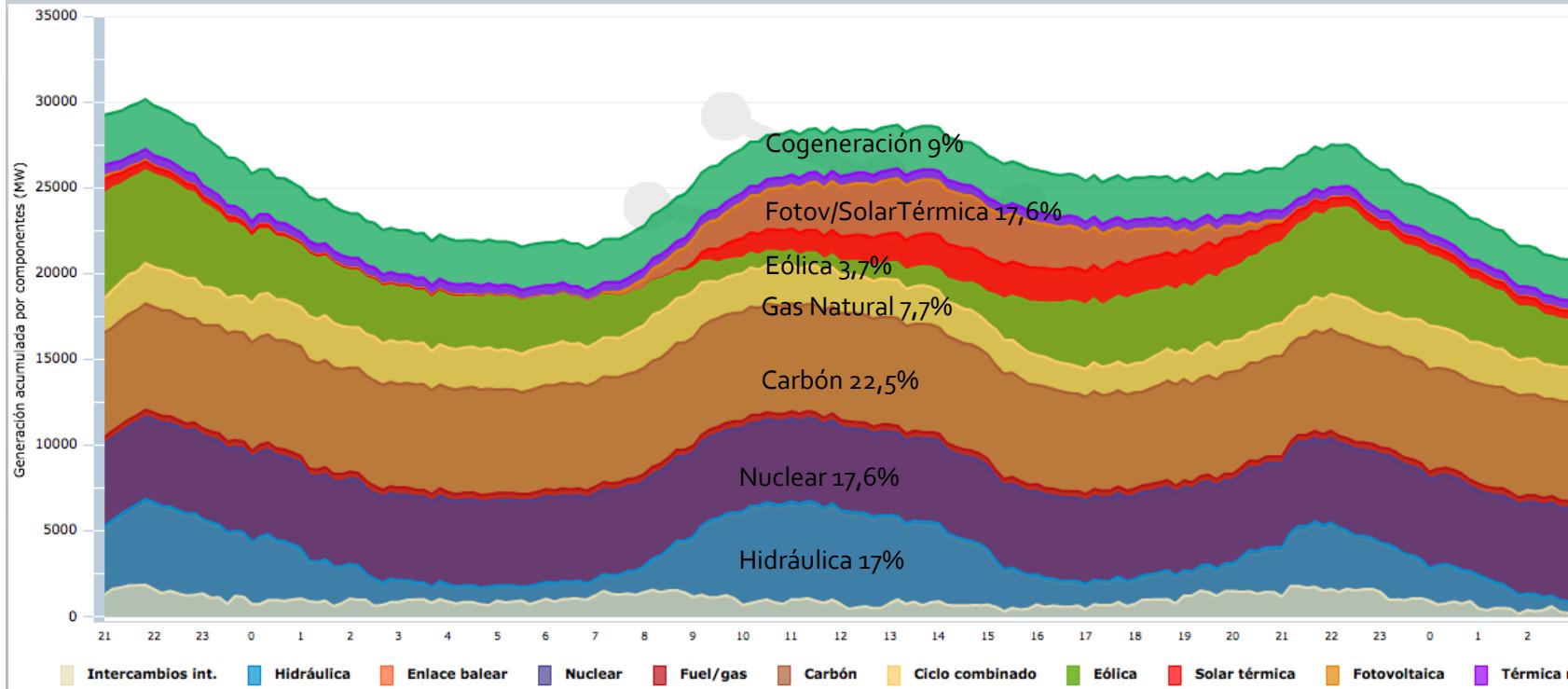
In 2014...Coal Will Be Green



Variability of the renewable energy. Role of coal

Saturday May 30th Mayo 2015

Detalle de la estructura de generación en tiempo real

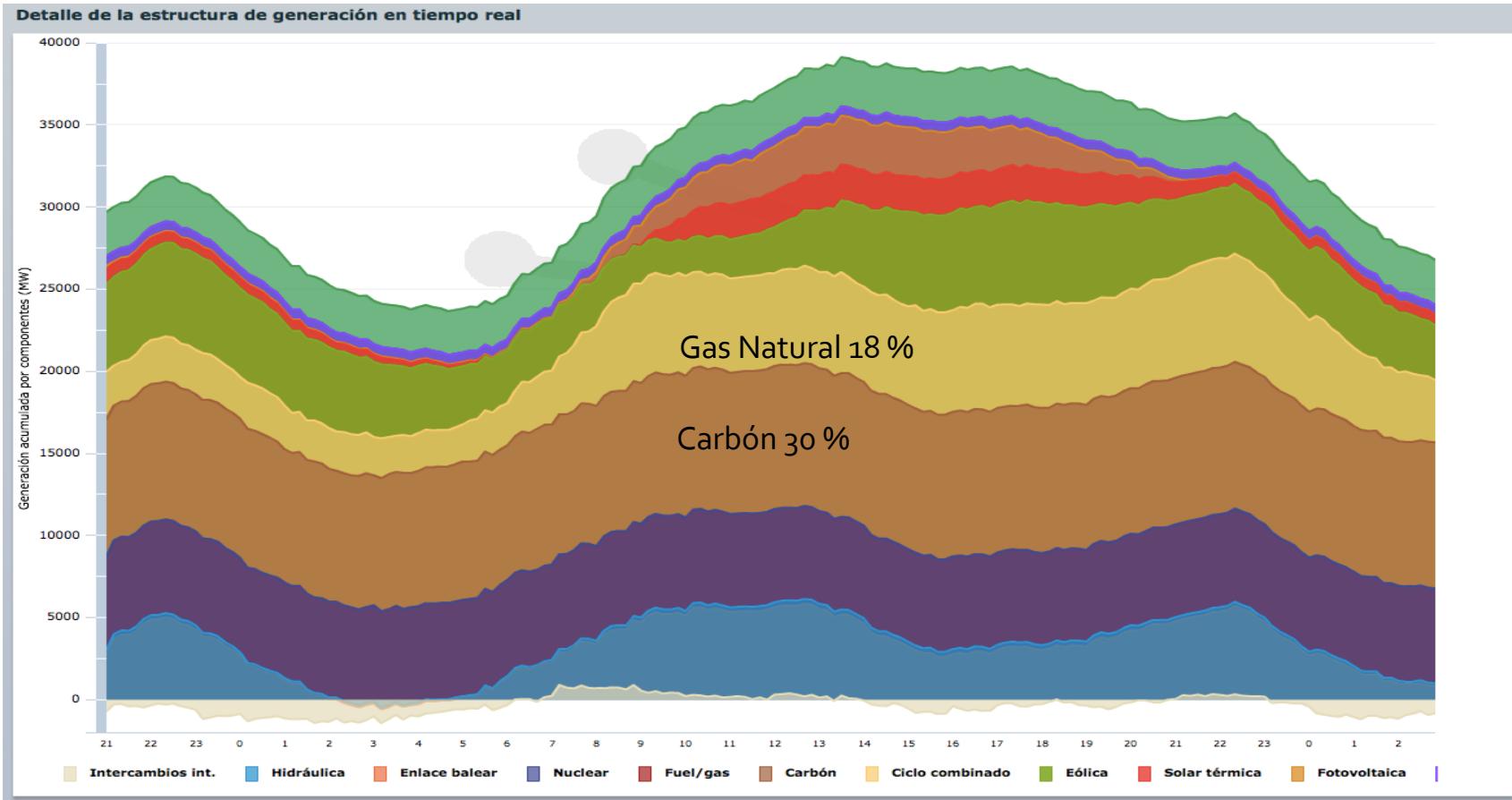


In 2014...Coal Will Be Green



Role of coal. Summer. Heat Wave. Madrid 43 °C.

Monday 6th July 2015



In 2014...Coal Will Be Green



Security Supply : coal vs gas natural



Accionistas e Inversores | Sala de Prensa | Proveedores | Acceso Seguro

buscar...

English

Quiénes somos

Sostenibilidad

Transporte de Gas

Gestión Técnica
del Sistema

Marco Regulatorio

Gestión Técnica del Sistema

Gestor Técnico del Sistema

NGTS y Protocolos

Procedimientos

Planificación del Sistema
2012-2020

Infraestructuras del Sistema
Plan Anual de Mantenimiento

Capacidades del Sistema

Demandas de gas natural

Operación del Sistema Gasista

Plan de Operación del
Sistema

Programación y Nominación
Consideraciones de
Programación y Nominación

Notas de Operación

Seguimiento Diario del
Sistema

Operativa Invernal

Plan Anual de Descargas

Existencias de Seguridad en
Plantas de Regasificación

Flujo de Caudales
Instantáneos

Almacenamientos
subterráneos Parámetros -
físicos

Información diaria relativa a
la Gestión de los AASS de la
Red Básica

Eventos

Calidad del gas

Repartos y Balances

Operación del Sistema Gasista

Notas de Operación

En esta página se encuentran disponibles las Notas de Operación emitidas.

Puede descargar los archivos que deseé visualizar en formato PDF. Es necesario disponer del programa Acrobat Reader, que puede instalarse gratuitamente desde esta página.

Ver años anteriores

2015



1 2

Nota de Operación nº 4 - Marzo 2015 (PDF 112.51 KB)

Situación de Operación Excepcional nivel 0 - Desbalance individual de un comercializador
31/03/2015

Nota de Operación nº 4 (Final) - Marzo 2015 (PDF 157.71 KB)

Situación de Operación Excepcional nivel 0 - Desbalance individual de un comercializador
31/03/2015

Nota de Operación nº 3 - 18-Marzo-2015 (PDF 166.34 KB)

Situación de operación excepcional - Nivel Cero - Desvío de un Buque - Cambio de planta asignada para la descarga
18/03/2015

Nota de Operación nº 2 (Final)- Febrero 2015 (PDF 940.34 KB)

Situación de Operación Excepcional - Nivel Cero - Ola de Frío
09/02/2015

Nota de Operación nº 2 (Inicial)- Febrero 2015 (PDF 912.45 KB)

Situación de Operación Excepcional - Nivel Cero - Ola de Frío

In 2014...Coal Will Be Green



CARBUNION

Staid Aids:

**P.S.O. Royal Decree 134/2010
Council Decision 787/2010
Capacity Mechanisms**



In 2014...Coal Will Be Green



CARBUNION

Public Service Obligation.

- It is a PSO (Public Service Obligation), governed by successive European Directives Electricity. Article 14.5
- A Member State may, for reasons of security of supply, direct that priority be given to the dispatch of generating installations using indigenous primary energy fuel sources, to an extent not exceeding, in any calendar year, 15 % of the overall primary energy necessary to produce the electricity consumed in the Member State concerned Duration 2010-2014:
- Royal Decree For up to 23 TWh./Annual.
 - Successive stoppages, claims, interim measures, have caused that added to the low thermal gap has not been consumed than expected in recent years.
- All precautionary and demands in European and Spanish courts have given good the RD 134/2014.
- Luxembourg Court ruling. Castelnou (EDF Suez-gas) . Case T-57/11 Coal how Intes public. Security of supply.
 - <http://curia.europa.eu/juris/liste.jsf?language=en&num=T-57/11>

In 2014...Coal Will Be Green



Council Decision 787/2010/EU. Applicant

- Article 3.

- a) The operation of the coal production units concerned must form part of a closure plan deadline of which does not extend beyond 31 December 2018.

If the coal production units to which aid is granted pursuant to paragraph 1 are not closed at the date fixed in the closure plan as authorised by the Commission, the Member State concerned shall recover all aid granted in respect of the whole period covered by the closure plan.

- Carbunion considers that those production units that have achieved competitiveness by the end of the regulation cannot be forced to close, something that has been endorsed by the European Parliament and the Economic and Social Committee in their respective opinion reports.

In 2014...Coal Will Be Green



New Spanish Coal Plan . Main Features

- A New Coal Plan (2013-2018) was designed by the Government and, in this sense, the role of coal in the generation mix for the following years will be critical.
- Regarding coal, subsidies under Article 3 of the European Decision have already been reduced by 83% compared to 2011. The quantity foreseen
 - 55 millions for 2013
 - 39 millions for 2014
 - 30 million approx for 2015.
- In 2015 the open cast mines do not receive State Aids working competitively-output. The output from opencast is 60% of the total production
- The government considers that the Decision 787/2010 of the Council of the EU is a firm decision and decided to modify the closure plan submitted to the European Commission.
- Spain's government is negotiating these days, take opencast mine closure plan and make long-term planning to recover the aid granted.
- Spain has granted 79 million Euros over the years to open pit mining. Some mines have been closed, other production units have been liquidated after bankruptcy, then possibly amount to be returned is less than 45 million Euros.

In 2014...Coal Will Be Green



Capacity Mechanisms.

- Capacity mechanisms are those measures adopted by Member States to **ensure generation adequacy**, i.e.:
 - to ensure that the installed generation capacity exceeds demand under almost every circumstance
 - to avoid black-outs
- Rationale:
 - overcome shortcomings of market structures and incentivise the development or retention of sufficient capacity
 - avoid the risk of abuse of producers' market power (high prices, under-investment)
 - ensure security of energy supply in particular when intermittent RES constitute a significant share of the generation mix

In 2014...Coal Will Be Green



Increasingly used in the UE

- Key Member States already **implementing or planning CM** or similar forms (e.g. Belgium, France, Germany, Italy, Portugal, Spain, Sweden, UK)
- Different forms:
 - Centrally procured capacity removed from market and only used in extreme situations (e.g. Belgium, Germany, Sweden, Italy)
 - Market wide mechanisms that allow willing providers to offer reliable capacity and are provided with incentives to do so (e.g. UK, France)
- Open for specific **technologies** nuclear, fossil fuels, wind, hydro, and solar, geothermal and other RES)
- Most not open to generation from **outside** the Member State (except Germany)

In 2014...Coal Will Be Green



The Issues

- CMs constitute a form of state intervention
 - which can „severely distort the functioning of the market and lead to higher energy prices both for households and businesses“ if not designed carefully (Commission Communication, 5 November 2013)
- Diversity of mechanisms obstructs cross-border trading
- Impact on EU energy market integration ?

In 2014...Coal Will Be Green



Energy Union Priority-Strategy.

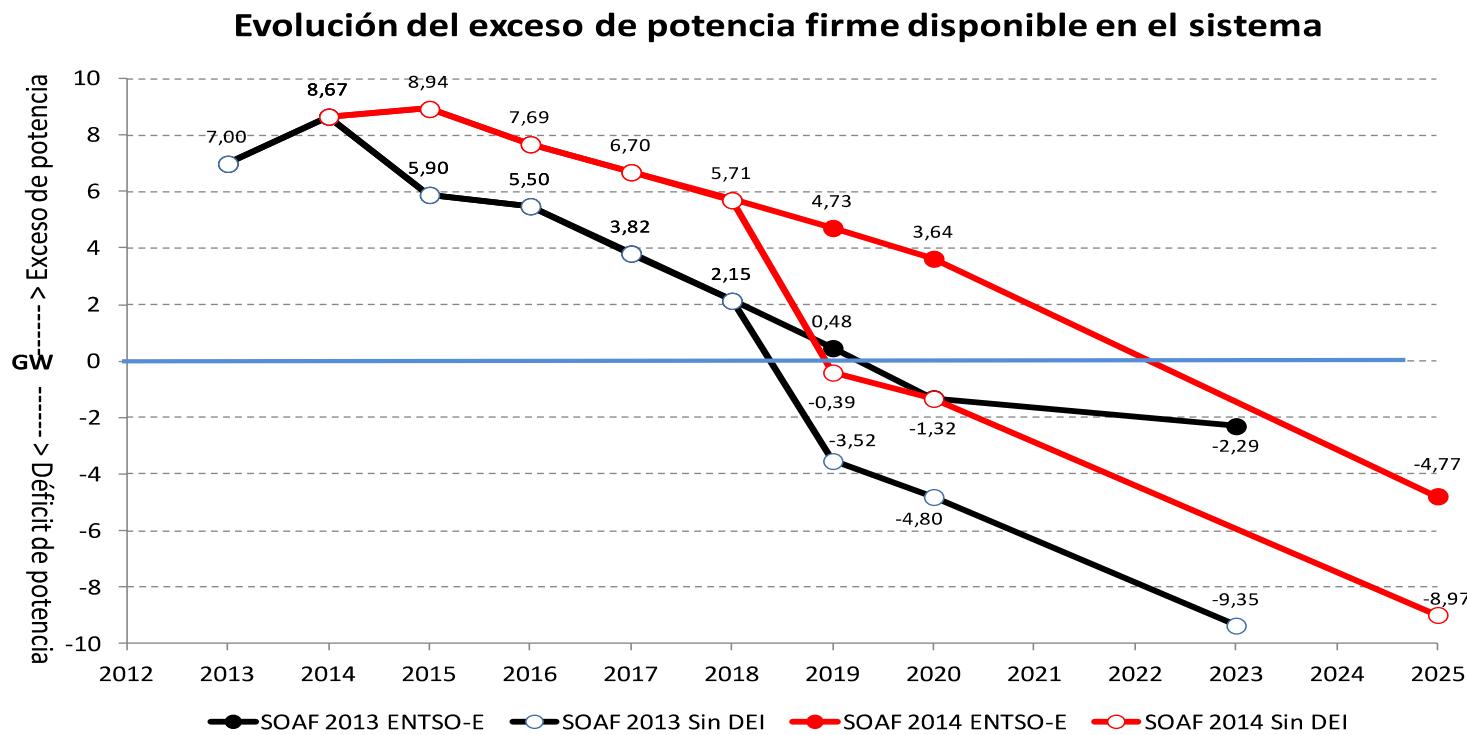
Three Communications announced on 15 February 2015

- **Energy Union (A Framework Strategy for a Resilient Energy Union with a Forward-Looking Climate Change Policy)**
 - an integrated continent-wide energy system where energy flows freely across borders, based on competition and the best possible use of resources, and with effective regulation of energy markets at EU level where necessary
- **Electricity Interconnection (Achieving the 10% electricity interconnection target Making Europe's electricity grid fit for 2020)**
 - Investing in infrastructure that connects countries will make energy flow, improve energy security, lessen dependency on imports and prepare networks for renewable energy
- **Climate Change - The Paris Protocol (A blueprint for tackling global climate change beyond 2020)**

In 2014...Coal Will Be Green



Report ENTSO-E SOAF.



We need new thermal capacity (4000MW).
It is cheaper to invest in DeNOx technologies than to build new capacity (natural gas). 250K€/MW vs 750K€/MW

In 2014...Coal Will Be Green



Power Station that could benefit from capacity mechanisms



Total MW 4.038,8 MW

C.T. Andorra..... 1055,77 MW
C.T. Puente Nuevo..... 299,76 MW
C.T. Soto de la Ribera.... 346,25 MW
C.T. Narcea..... 347,47 MW
C.T. Guardo..... 342,24 MW
C.T. La Robla..... 355,10 MW
C.T. Compostilla..... 995,58 MW
C.T. IGCC. Elcogas..... 296,48 MW

Total payment 90.000 €/MW

Coal To buy 6.000.000 TermiasPCS/MW

Investment: 363,5 millones €

For Tons: 5,2 million tn.

In 2014...Coal Will Be Green



Capacity Mechanisms Necessary in Spain

- In Spain energy from domestic coal plants it is very necessary, to cover peak demand and to cover the zonal power demanded by the country's capital, which has no generation in the vicinity of Madrid
- Besides the domestic coal plants they are inside, and usually consume anthracite.
- The plants burning anthracite, are condemned to buy a very specific coal mines (Ukraine), which added to the logistical difficulties, it is debilitated Security supply.

In 2014...Coal Will Be Green



Thank you very much for your attention.



If you want contact me, please write me;
mmartin@carbunion.com

In 2014...Coal Will Be Green



CARBUNION