

# Coal vs. Gas

Committee on Sustainable Energy

Geneva, 18 November 2015

Francisco P. de la Flor



# Coal versus Natural Gas

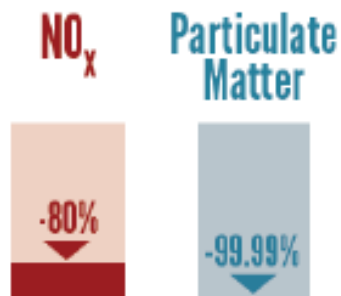


Natural Gas is cleaner, more flexible and more efficient than Coal (fired plants)

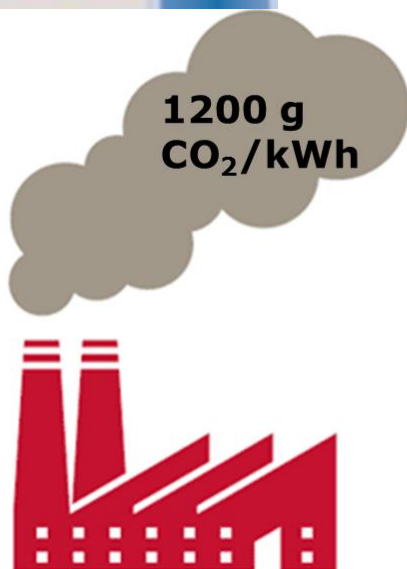
# Coal Plant vs CCGT



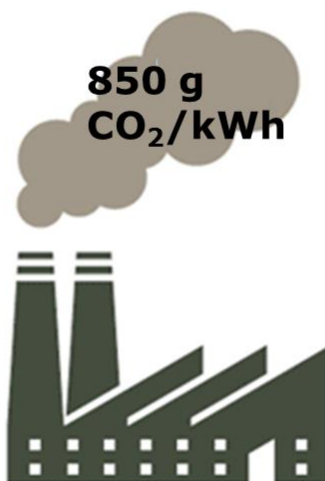
Natural gas in power generation emits up to...



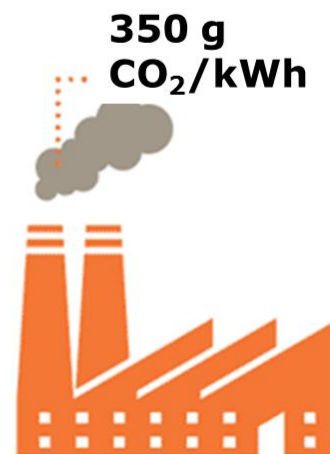
... less than coal.



**Lignite-fired power**

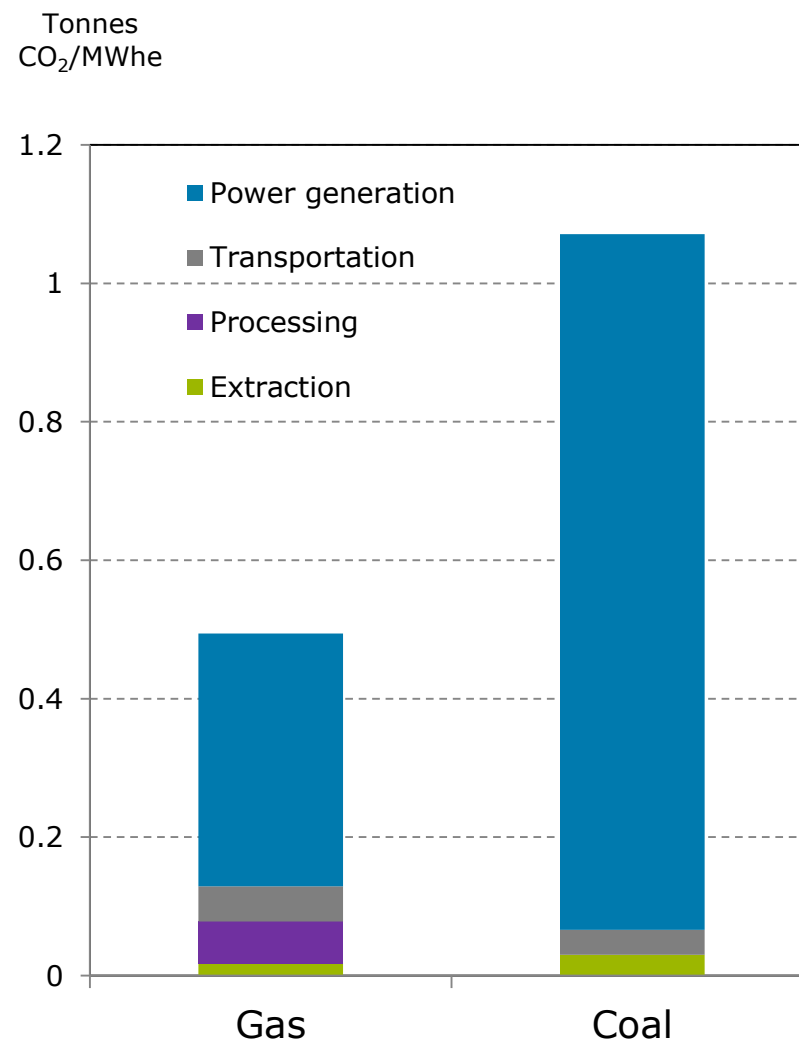
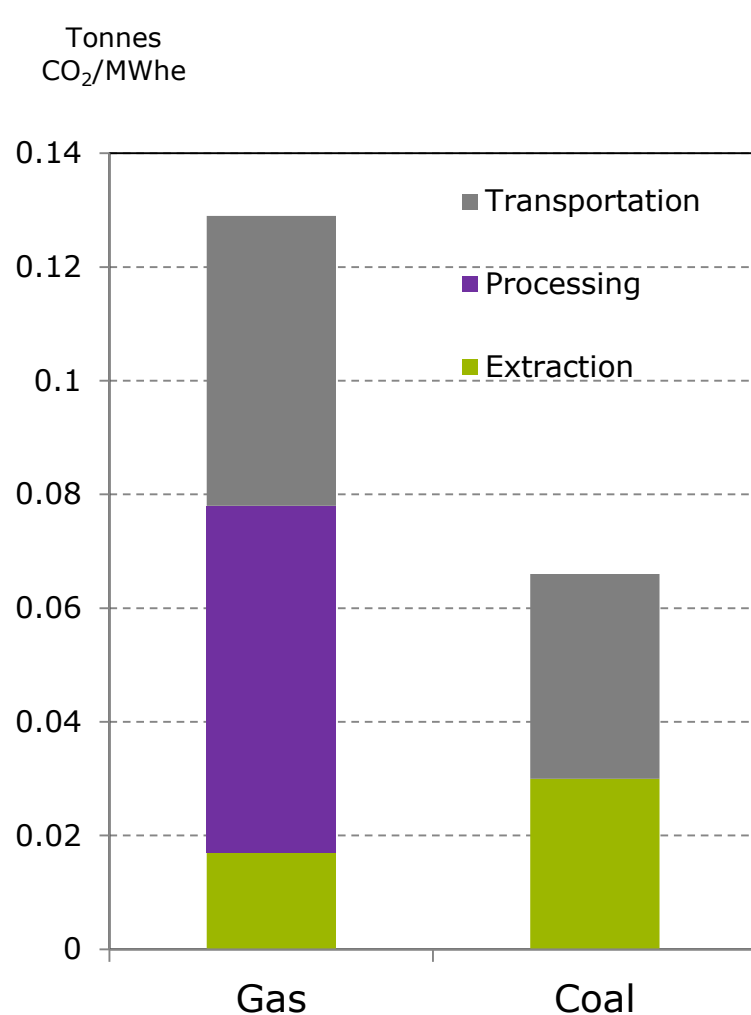


**Hard coal-fired power**



**Gas-fired CCGT**

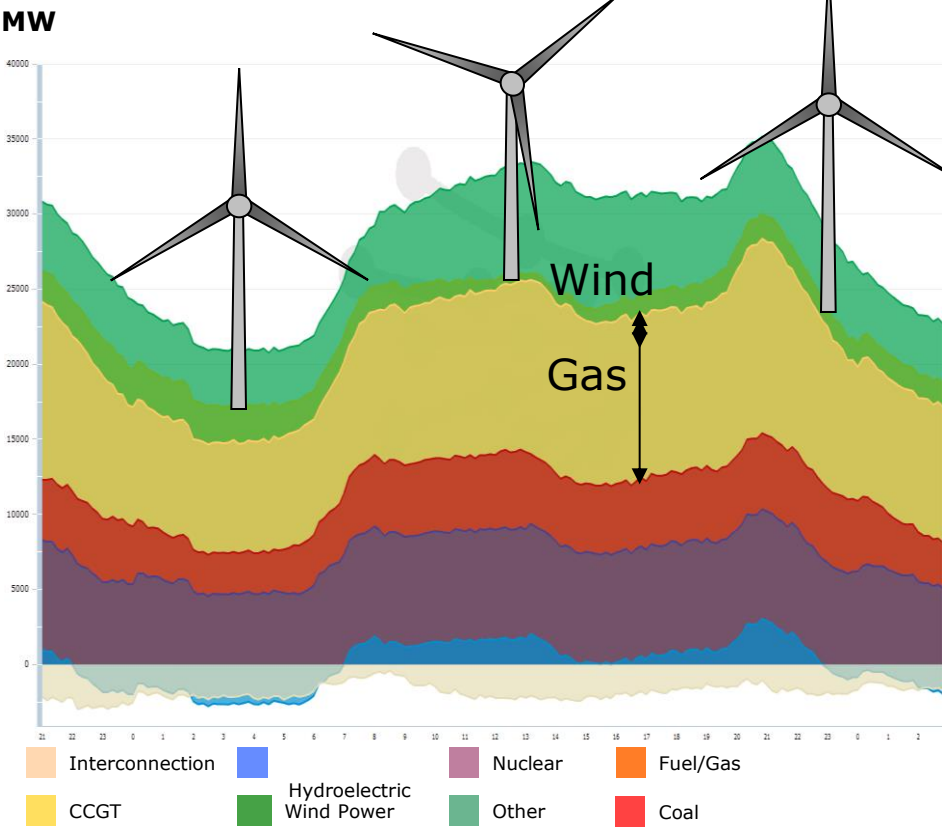
# Gas vs. Coal - Emissions



# Impact of wind on CCGTs

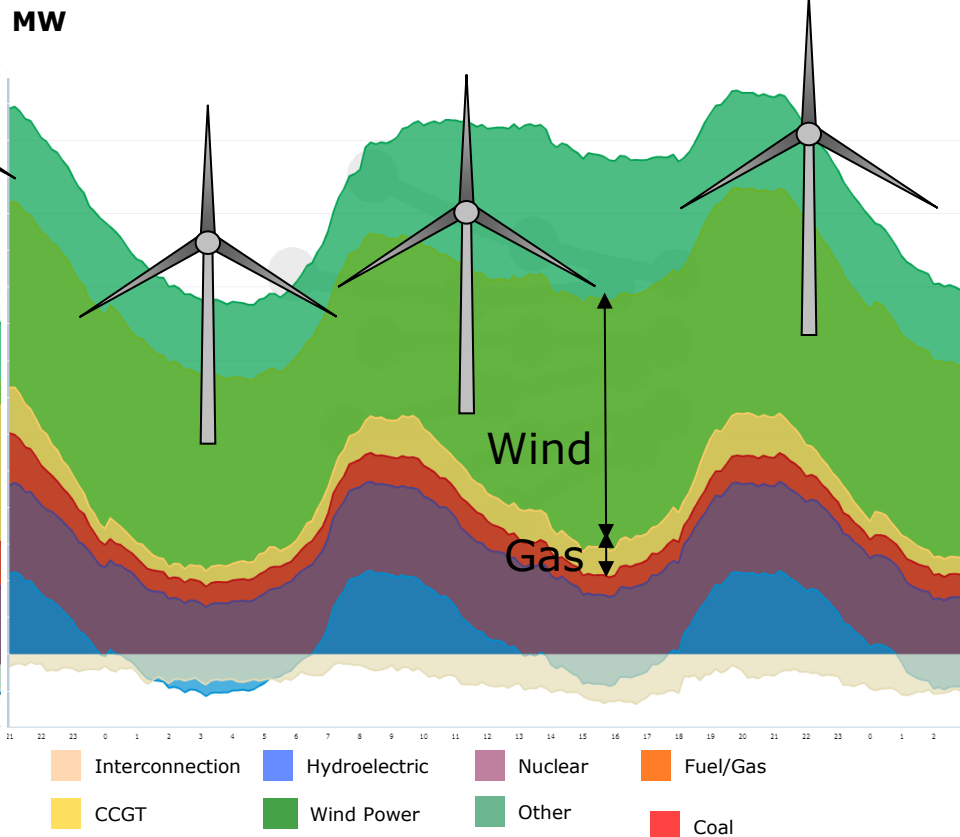
30-september-2010

Wind 1%  
17:45h

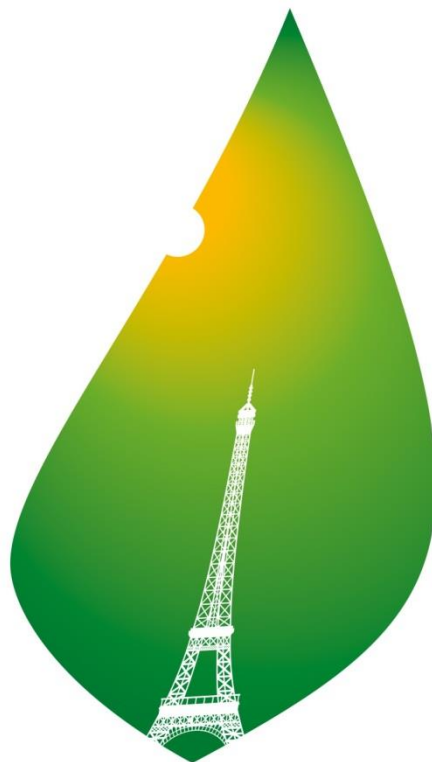


6-Februray-2013

Wind 66.5%  
15:50h



# Thank you



COP21 • CMP11  
**PARIS 2015**  
UN CLIMATE CHANGE CONFERENCE