Current price development oil and gas
Dr Gerd Wuersig; (9th of Dec 2015)
Gas and Oil prices begin of Oct 2014 and begin of December 2015 (Gas: no liquefaction and distribution included)

![Bar chart showing gas prices in $/mmBTU](Gas Prices Wue 01.xlsx)

**lhv=lower heating value**
Current price development (last prices 9th of Dec 2015)

Of 09th December 2015

- IFO 380/180: 5,25/5,99 $/mmBTU = 202/230 $/t
- MGO 0,1% S: 10,45 $/mmBTU = 423 $/t
- Gas TTF: 5,87 $/mmBTU (lhv) = 272 $/t
Price development (last prices begin of December 2015)

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Assumptions made for the given figures

- Gas lower heating value (lhv) has to be assumed for ship fuel. Nearly all sources use upper heating value (uhv) which gives about 10% lower LNG prices than indicated here for lhv prices.
- Liquefaction costs have to be added to henry hub price. Today values between 3 and 5 $/mmBT for liquefaction might be used.
- LNG in Europe competes with pipeline gas therefore only costs of distribution to the ship have to be added to gas price.
- Supply to the ship must be added to fuel costs.
- Prices in the figures are yearly average prices until 2014. 2014 prices are the spot prices at the beginning of the month.
Used sources

- BP world energy review with average energy prices on gas and oil (internet)
- Bunker World prices from internet for 2014 ff prices of oil
- Henry hub prices from the internet
- HFO and MGO historic prices: DNV GL internal data