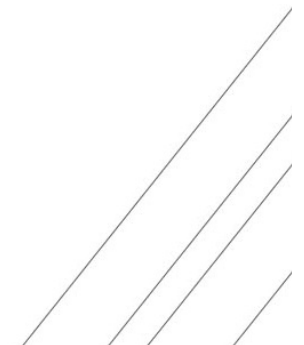


Norwegian National Grid
Transmission Tariff

Main objective for the main grid tariff

- Socio economic efficient utilisation of the grid
 - Short term and long term
- Right incentives to the users
 - Price signals
- Other objectives
 - Robust solutions
 - Distribution among user groups will always be an issue (Production, Industry and regular consumption)



Main grid tariff - process

- Price strategy lasts for three years
 - Reflecting future investments
 - Three years period make it more predictable
 - Will increase to five years from 2013
- Statnett determines a yearly main grid tariff
- Price strategy and yearly tariff discussed with user organisations
- Protocols are signed



Main grid tariff 2010

Fixed charges

- Generation on all grid levels
 - ~1€/MWh (0.008 NOK/kWh) – based on average production last 10 years
- Consumption
 - ~ 30 000 €/MW – average consumption in peak load the last five years
 - Settled in the main grid node
 - Same fee in all nodes
 - Nodes including production and/or customers with higher peak load than 15 MW and 7000 hrs usage time (**KII**) have a reduced settlement value by

$$K = \left(\frac{F}{P_t + F + c_{KII} KII} \right)$$

- **F**: Total consumption. **P_t**: Installed Generator capacity, **c**=1,5

Main grid tariff 2010

Variable charges - Price signals

Loss fee

- A marginal loss coefficient is calculated in each node
 - +/- 15 % ceiling/floor
- The loss coefficient is multiplied with the system price

Connection charge

- Limited to shallow connection charges



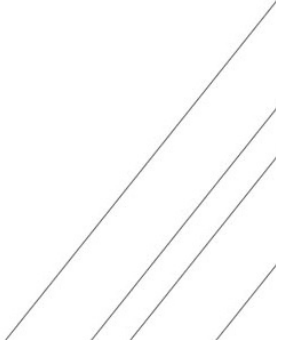
Tariff rates for 2010

Fixed components

The rates for fixed components for 2010 are as follows:

		Tariff 2010
Production, (G)		0,008 NOK/kWh
New production, phasing in tariff		0,001 NOK/kWh
Consumption, (L)		341 NOK/kW
Correction factor for KII - c		1,5
Interruptible load with 15 min. warning time	5% of L	17 NOK/kW
Interruptible load with 2 hours warning time	25% of L	85 NOK/kW
Interruptible load with 15 min. warning, 2 hours limited duration	75% of L	256 NOK/kW
Reactive load – rounded off to the nearest 5 MVar		25 NOK/kVAr

Steps to sustainable development in Norway



Prognosis consumer tariff - related to price strategy 2010-2012

