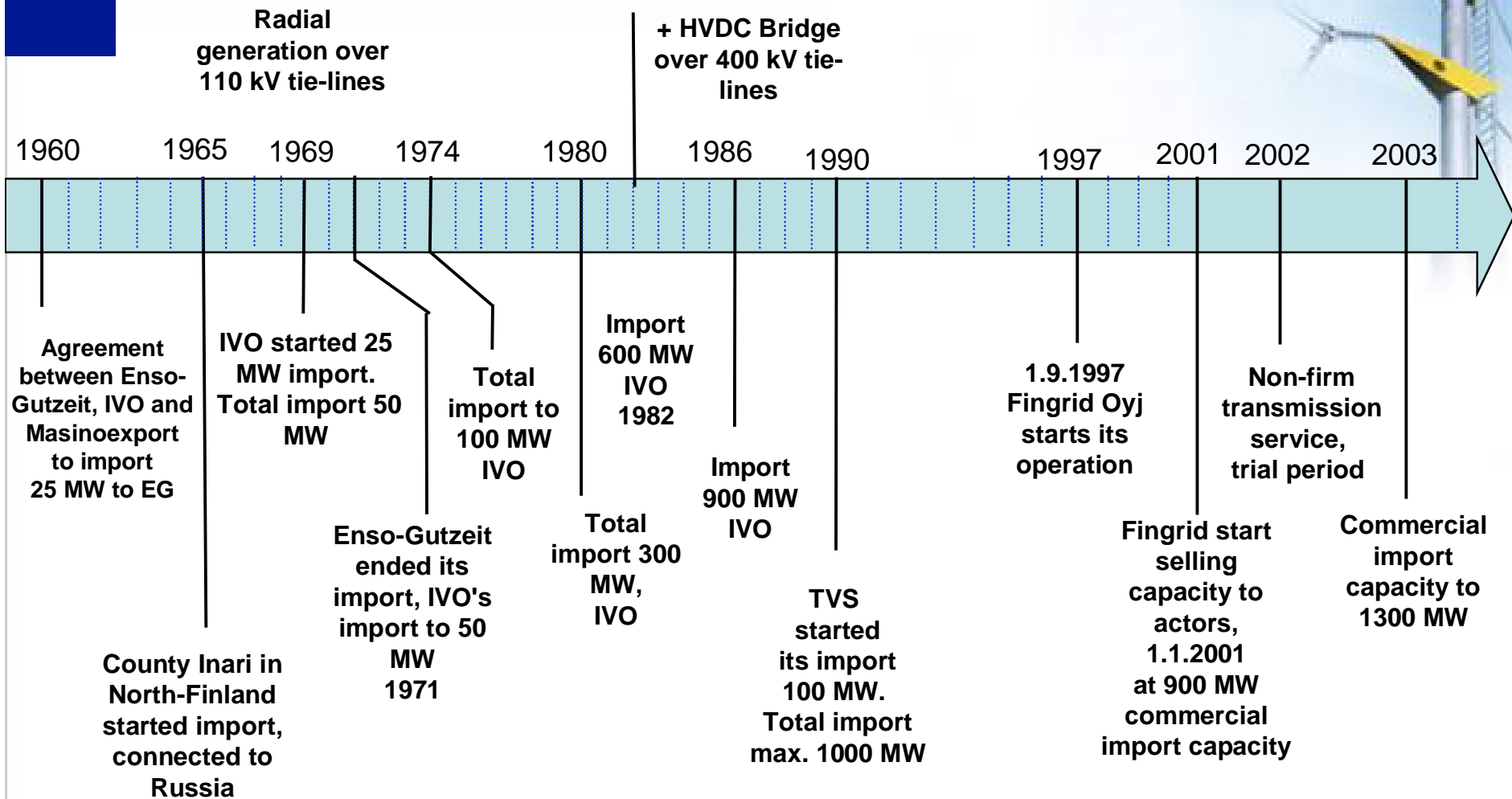




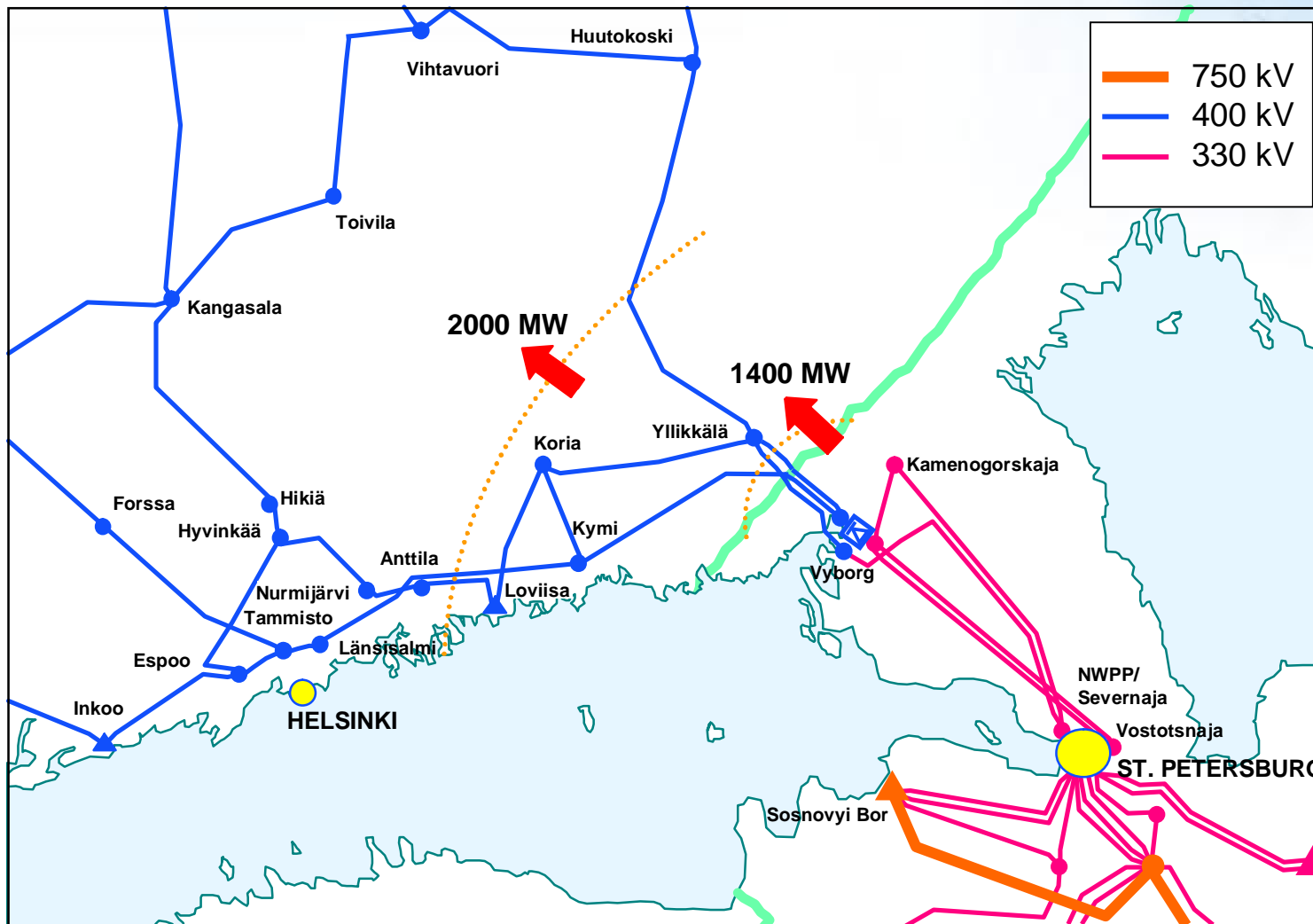
FINGRID

# Transmission Service from Russia to Finland

# Commercial history of the power exchange between Finland and Russia



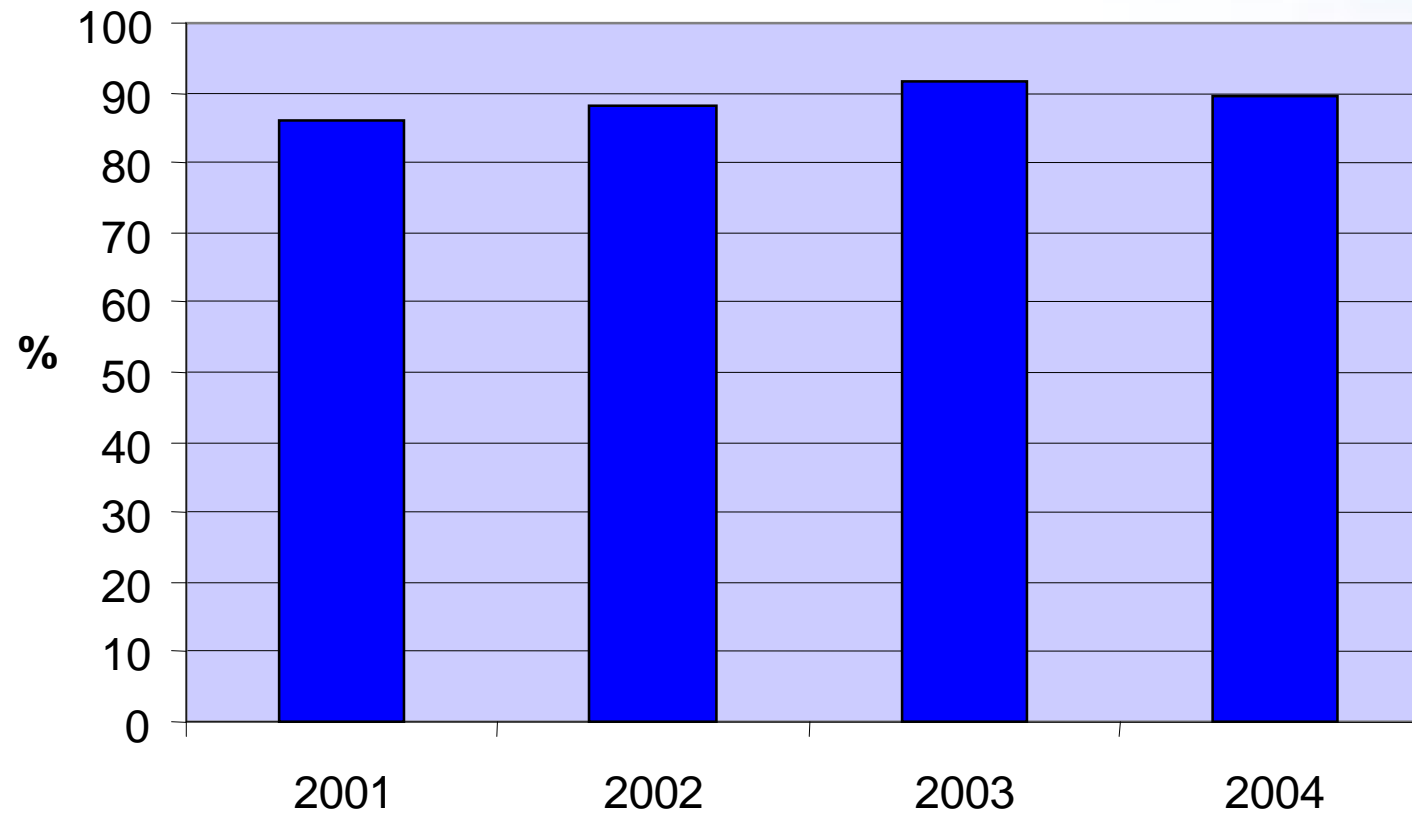
# Transmission capacity in 2005 Russia - Finland



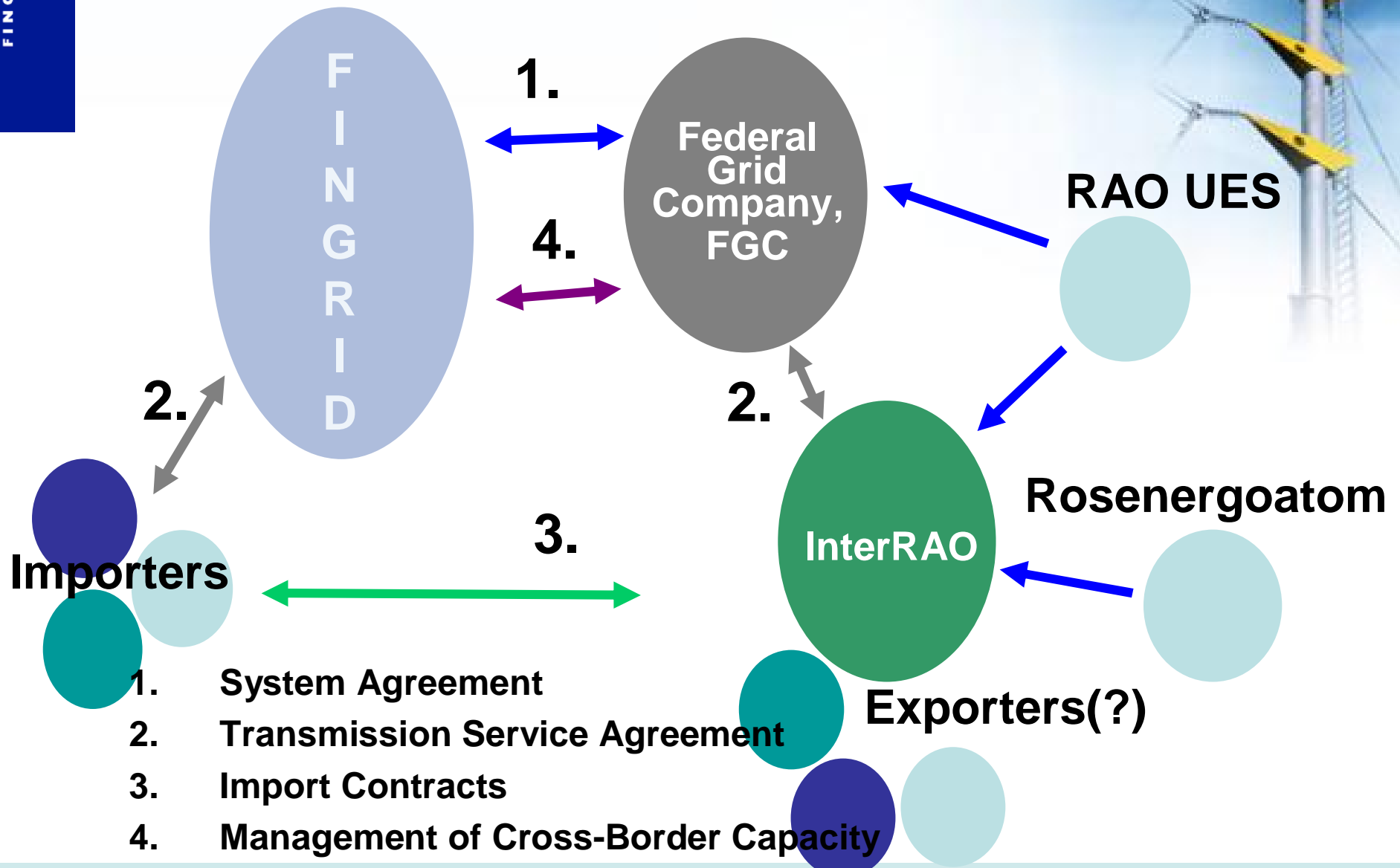
# Importers on Fingrid's 400 kV Russian Connections 2003 - 2006

Company	2003 MW	2004 MW	2005 MW	2006 MW	Country Ownership
EGL Nordic AS	-	-	200	-	Norway o/s: Switzerland
Fortum Oyj	300	300	300	300	Finland
Norsk Hydro ASA	300	-	200	-	Norway
OstElektra GmbH	-	100	100	100	Germany o/s: Germany, Cyprus
Pohjolan Voima Oy	400	400	-	-	Finland
RAO Nordic Oy	250	250	250	500	Finland o/s: Russia
RWE Trading GmbH	50	-	-	-	Germany
Scaent AB	-	250	250	250	Sweden o/s: UK, British Virgin Islands
Statkraft Energi AS	-	-	-	150	Norway
<b>Total</b>	<b>1300</b>	<b>1300</b>	<b>1 300</b>	<b>1300</b>	

# Utilisation rate of the Russian 400 kV connections



# Contractual Relations



1. System Agreement
2. Transmission Service Agreement
3. Import Contracts
4. Management of Cross-Border Capacity

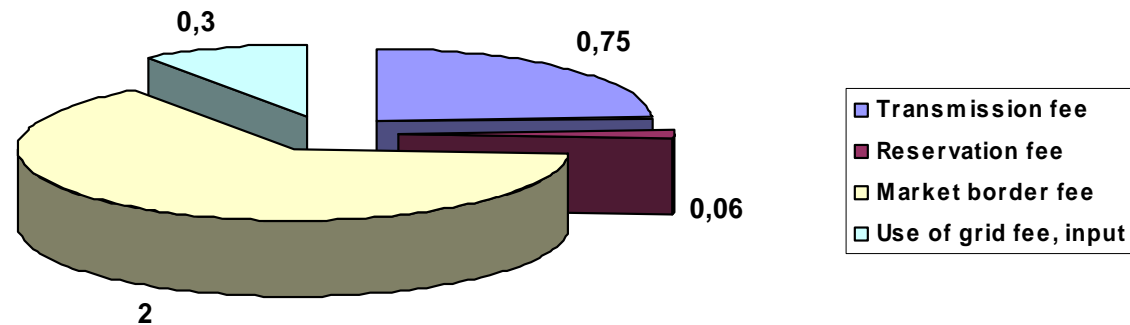
# Pricing Background

- **No reciprocity between the Russian and Nordic electricity markets**
- **The income collected via the cross-border fees has to cover all the costs incurred to Fingrid electricity import from Russia**
- **Import outside of the common market area shall not utilise the market place without participating to the costs it causes**
- **The costs cannot be socialised to the national tariffs**

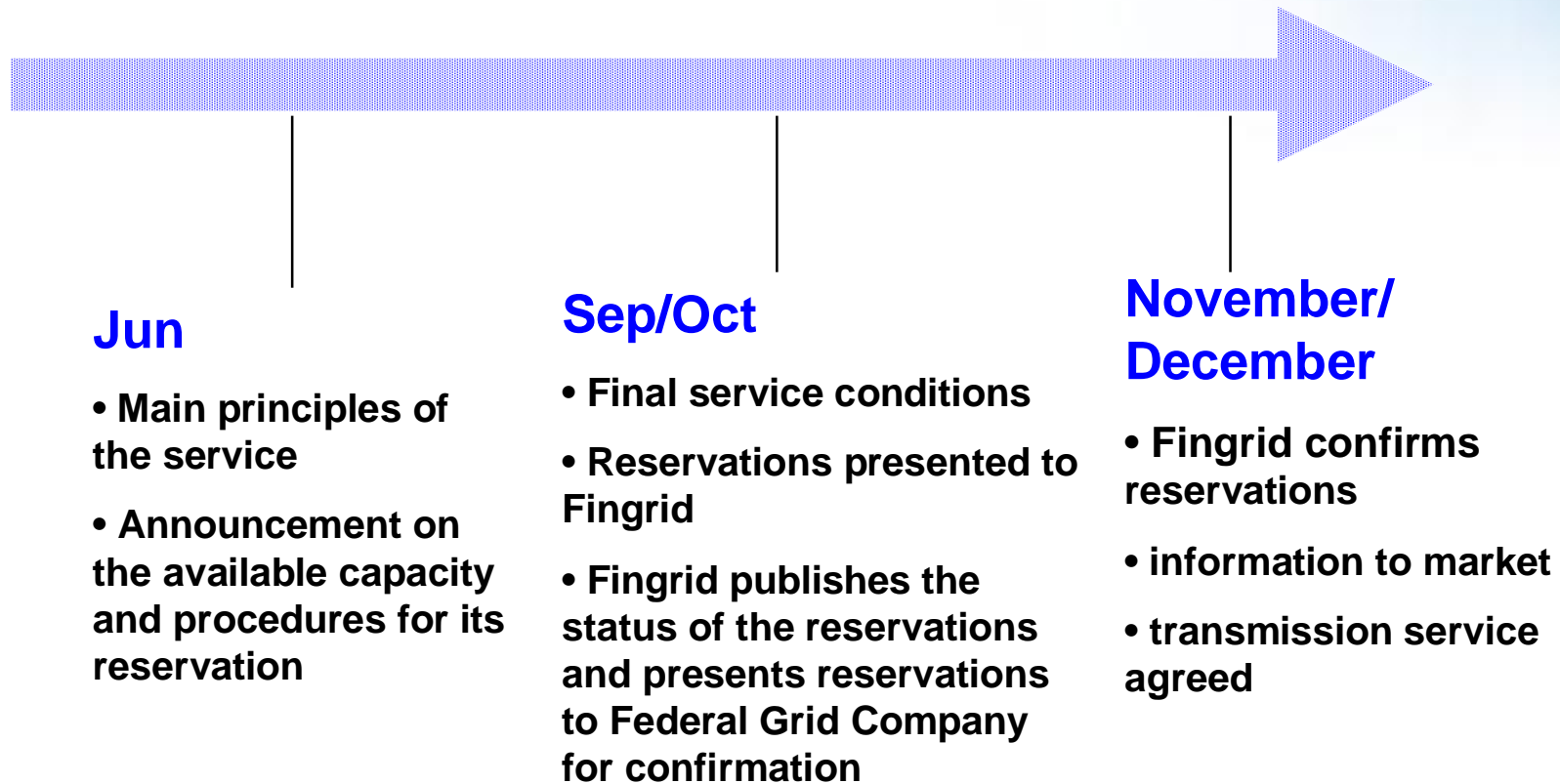
# Cross-Border Fees 2006

- Reservation fee 500 €/ MW, a
- Transmission fee 6000 €/ MW, a
- Market border fee 2.0 €/ MWh
- Use of grid fee, input 0.3 €/MWh

Price components, €/MWh at 10.5 TWh import



# Reservation process



# Model of Cooperation

2 x, a **CEO meetings (FGC - FG)**

2 x, a

**System Committee (FGC - RAO SO - FG)**

**Secretariat**

**Customer Forum Customers (FGC - FG)**

**Services & Contracts (FGC - FG)**

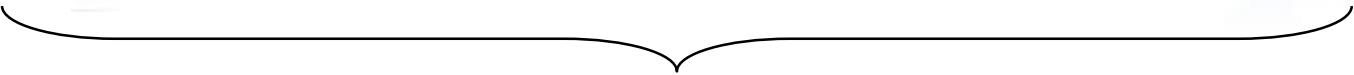
**Operation (RAO SO - FG)**

**Planning & Investments (FGC - FG)**

**Ad Hoc Reliability**

**Ad Hoc Data Exchange**

1 x, a



**Meetings as per individual action plans**



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# Transmission Scheme from Estonia to Finland

# Nordic Energy Link, NEL

