

# DETAILS OF INTERESTING CLAIM

No.:

**Loss year**

2005

**Type of insurance**

All risk including Machinery Breakdown

**Description of damaged item**

Damage of a High Voltage Generator (136 kV) operating direct to the grid (i.e. no transformer between generator and grid)

**Cause of loss**

Earth failure in the generator stator leading to electric arc and trip of the turbo generator

**Claim cost**

Claims cost in excess of EUR 5 Mio, business interruption only anticipating that no material damage will be indemnified through property insurer (guarantee still in force). The business interruption is estimated to be less than 16 months.

**Description of Incident**

The 38 MW water-cooled high voltage generator was operated in a District Heating and Power Plant in Sweden. The turbo set was shutting down after short circuits between the two phases 1-2 and earth. The following electric arcs destroyed surrounding cables (windings) and the stator.

The exactly cause of the damage is still unknown. The damage was possibly caused by a network failure which in its turn was caused by a lightning stroke or the damage was possibly caused by an earlier erection/assembling failure.

**Claim status** (July 2006)

The damaged High Voltage Generator will be replaced by a conventional 12, 5 kV generator.