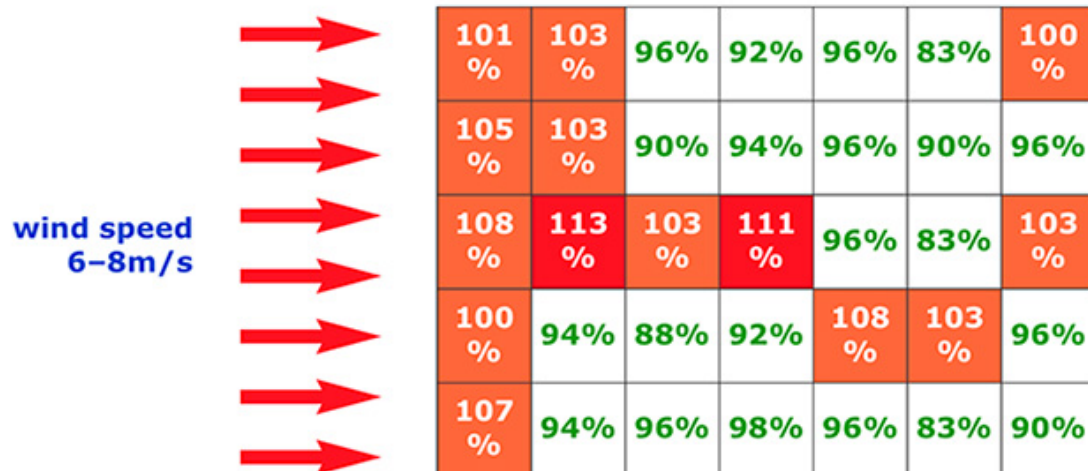


# Mechanical Case Study – Spalding Power Station UK – 903 MW – 35 cell (7x5)

## Before Galebreaker Wind Shield Installation

### Current Consumption (Amps)

full load 156 amps

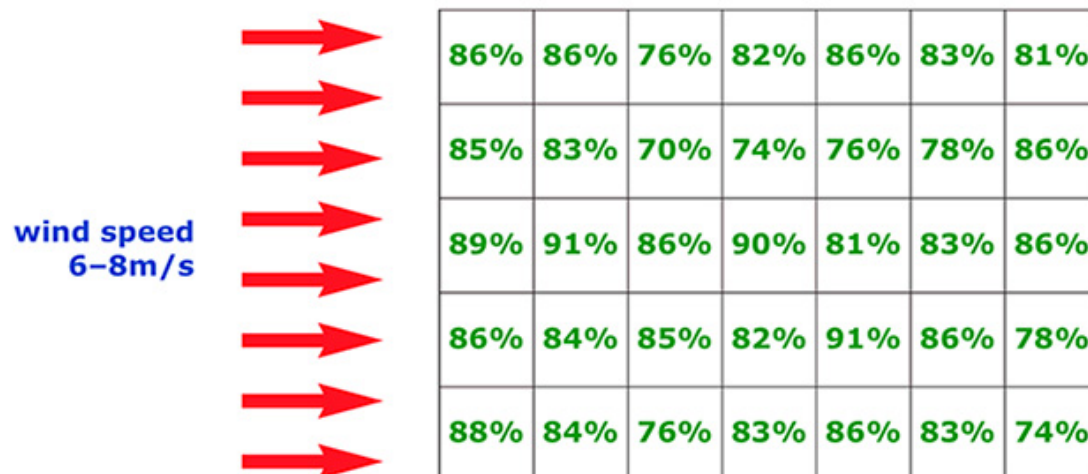


Engineers estimated losses of up to 60MW in high wind speed conditions

## After Installing Galebreaker Wind Shields & VSD Motors

### Current Consumption (Amps)

full load 156 amps



### Conclusions

1. Windy conditions were contributing to motor overload and motor trips
2. Motor overload was leading to electrical infrastructure damage
3. ACC Performance improvement – re-gain of 75% of performance loss

Source:  
Industrial Energy Surveys Ltd.