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Action: Impact on Peterhead CCGT for Customer Impact Assessment

Peterhead CCGT is adjacent to the St Fergus entry terminal and will be directly affected by any change to gas composition as it is the closest offtake point on the NTS. If implemented this modification will allow for gas of 5.5 % CO₂ content to be entered on to the NTS at St Fergus. The step change in CO₂ content will result in a change in Wobbe index (WI). This rate of change of WI risks the trip of the CCGT in order to protect the burners. The plant trip will result in the operator being exposed to cashout penalties on both the gas and power markets. The extent of the cashout penalties will depend on the number of high CO₂ events, the duration of any forced outage and the prevailing gas and power marginal cashout charges.