

# CLIMATE CHANGE AND SUSTAINABLE ENERGY ACT 2006

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## EXPLANATORY NOTES

### COMMENTARY ON SECTIONS

#### *Dynamic demand technologies*

37. **Section 18** requires the Secretary of State to publish a report on the contribution that dynamic demand technologies could make to reducing greenhouse gas emissions in Britain. The report will also look at whether it would be appropriate to take steps to promote these technologies and will state the view of the Secretary of State as to whether it would be appropriate to take steps to promote these technologies .
38. Dynamic demand technologies are technologies that enable the consumption or generation of electricity to be controlled or adjusted automatically according to network frequencies. If they sense, through an assessment of the frequency levels, that demand is growing, then they will, for instance, turn the fridge down. The aim is to help energy efficiency as well as security of supply at peak periods by managing the demand/supply relationship at peak times. The overall benefit of these technologies is that a smoothed demand pattern leads to a reduced need for back-up generation.