Emergency STOR

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Emergency STOR

- **Volume Requirements – Up to 20% of overall demand 24/7**
  - **Minimum demand level ≈ 20 GW ≈ 4GW**
  - **Maximum demand level ≈ 60GW ≈ 12GW**
- **Availability Cost of existing STOR service ≈ £6/MW/hr**
  - **Minimum Requirement ≈ 6 x 4000 x 24 x 365 ≈ £210m/year**
  - **Maximum Requirement ≈ 6 x 12000 x 24 x 365 ≈ £630m/year**

Providers may be willing to accept a significant reduction in the availability rate for a service that is only utilised during emergency conditions, but even an availability rate of £1/MW/Hr would give a cost range of £35m – £105m per year.

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- **Would there be sufficient volumes available on a 24/7 basis?**
  - **A provider would need approx £2.60/MW/hr for 24/7 availability for the same level of income as the current STOR service, so unlikely that existing providers would "swap" to this service due to the potential lower income levels**
  - **The current tendered volume is less than 6GW.**
  - **Of the 2.8GW currently contracted only approx 45% (1250MW) are "Demand Side"; only 5% (140MW) are true load reduction.**
  - **Many existing providers would not be available 24/7**
  - **An increase to the current availability price may be required to attract the additional volumes required.**

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- **Conclusions**
  - **Significant year-on-year cost implications.**
  - **Unlikely to be sufficient providers available.**