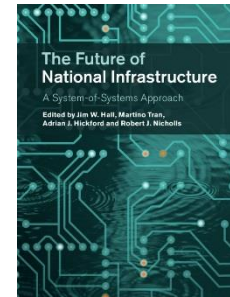


Appendix E

Critical Infrastructure datasets for the UK



| Infrastructure Sector | Asset type | Existing datasets |
|-----------------------|-----------------------|---|
| Electricity | Supply sites | <p>Department of Energy and Climate Change, Digest of UK Energy Statistics (DUKES), Operational Power Stations 2011 - https://www.gov.uk/government/collections/digest-of-uk-energy-statistics-dukes</p> <p>Association of Electricity Producers (now Energy UK)</p> <p>National Grid power generation sites – as listed being connected at transmission level</p> |
| | Substations | <p>OS-supplied substations used for derivation of ‘synthetic’ distribution networks.</p> <p>National Grid-supplied substations for the transmission network (http://www2.nationalgrid.com/uk/services/land-and-development/planning-authority/shape-files/)</p> |
| | Transmission network | <p>National Grid-supplied overhead line, and underground cable data, as available from the National Grid website (http://www2.nationalgrid.com/uk/services/land-and-development/planning-authority/shape-files/)</p> |
| | Distribution networks | <p>Electricity Northwest</p> <p>Synthetic for rest of GB</p> |

| | | |
|--------------|--------------------------------|--|
| Gas | Pipelines | Data derived from the National Grid-supplied ESRI Shapefiles as available from the National Grid website (http://www2.nationalgrid.com/uk/services/land-and-development/planning-authority/shape-files/http://www2.nationalgrid.com/uk/services/land-and-development/planning-authority/shape-files/) |
| | LNG terminals | |
| | Storage sites | |
| | Compressor | |
| | Import facilities | |
| | Storage | |
| | Pipelines | |
| Road | Motorways and trunk roads | OS locations Average Annual Daily Flow Statistics (http://www.dft.gov.uk/traffic-counts/download.php) |
| Rail | Stations, junctions and tracks | OS locations NAPTAN geo-locations (Derived from http://www.dft.gov.uk/naptan/ , http://data.gov.uk/dataset/naptan) ATOC train frequency ORR station usage |
| Water supply | Pumping stations | OS-supplied water pumping stations |
| | Water towers | OS-supplied water towers |
| Waste water | Waste water treatment works | European Environment Agency Waste Water Treatment Works (http://www.eea.europa.eu/data-and-maps/data/waterbase-uwtd-urban-waste-water-treatment-directive-1#tab-european-data) |
| Telecoms | Mobile masts | OS-supplied telecommunication masts |