

Franco-British Lawyers' Society

EDF and new nuclear in the UK

Simon Dunford

19th September 2008

EDF Energy in the UK



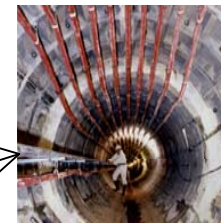
Windfarms



Cottam/West Burton coal



Sutton Bridge gas



Distribution
3 adjacent networks:
- East of England
- London
- South-East

3 customer service centres



Exeter:
- Major Customers
- Regional Head office



EDF's plans in the UK

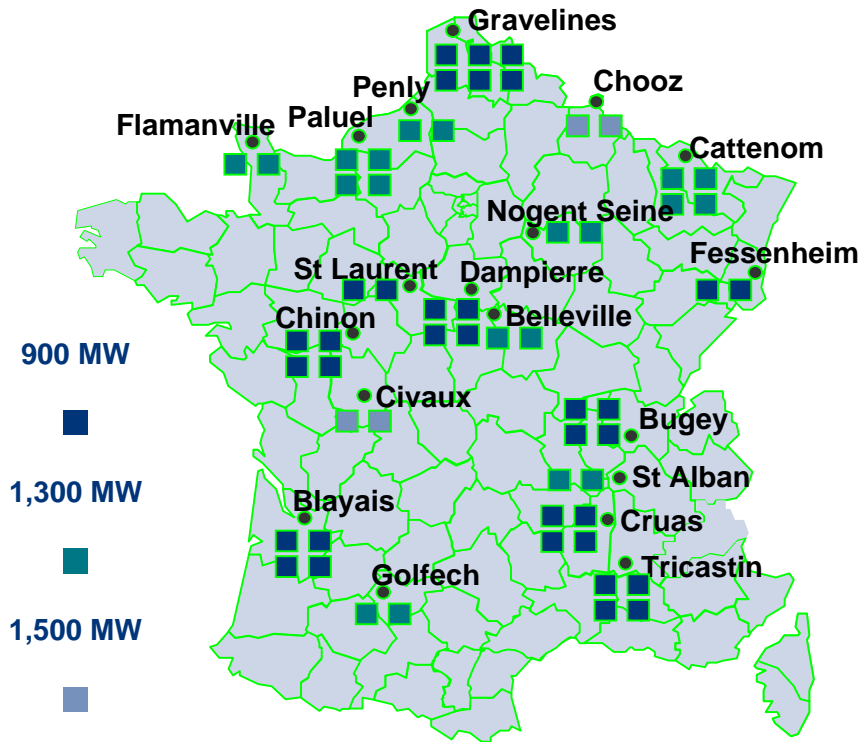
- Renewables – EDF will invest in 1,000MW of UK renewable energy production by 2012.
- Carbon Capture and Storage (CCS) – EDF is exploring way to participate in future projects
- Gas – EDF is building a 1300MW CCGT at West Burton, consented in 2007
- Reduce CO₂ emissions by 60%
- **Nuclear - EDF will invest in new nuclear power plants**



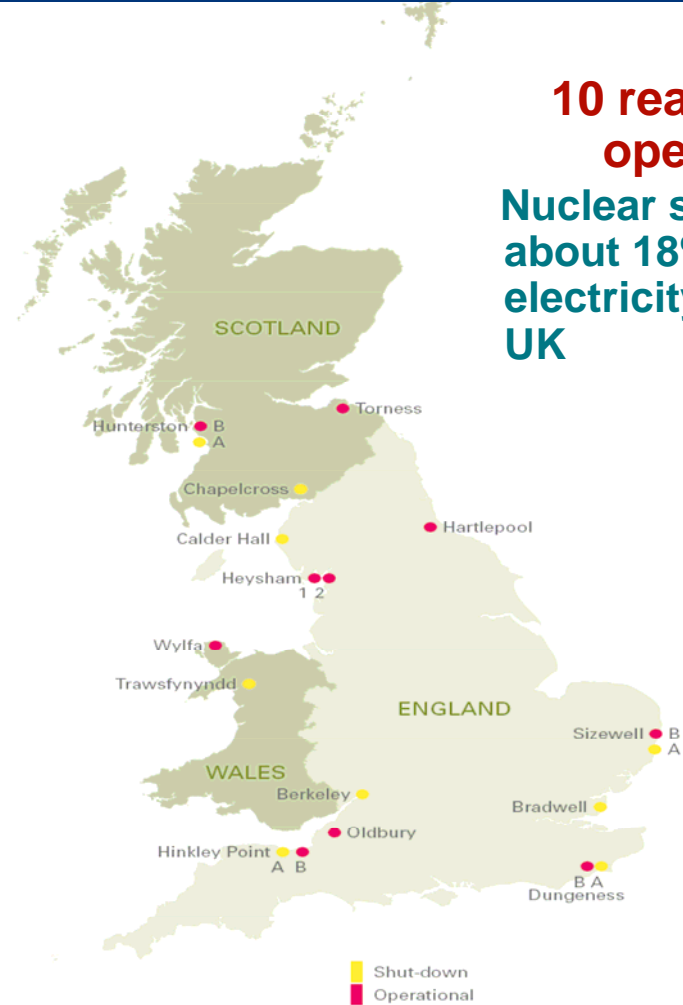
Context and recent Energy milestones ...

- **1973 – Arab oil embargo – first oil crisis**
- **1984 – Miners strike – the demise of Coal**
- **1986 – Chernobyl – Nuclear stalls**
- **1989 – Berlin Wall falls – energy exchange possible**
- **1990 – Reform of Electricity Market in England & Wales**
- **1997 – Kyoto Protocol – a new drive for clean fuels**
- **1998 – Oil at \$10 a barrel**
- **2006 – Winter of discontent and the energy pinch**
- **2007 – Government Nuclear Energy White Paper**
- **2008 – Oil at > \$147 a barrel**

Nuclear power plants in France & the UK

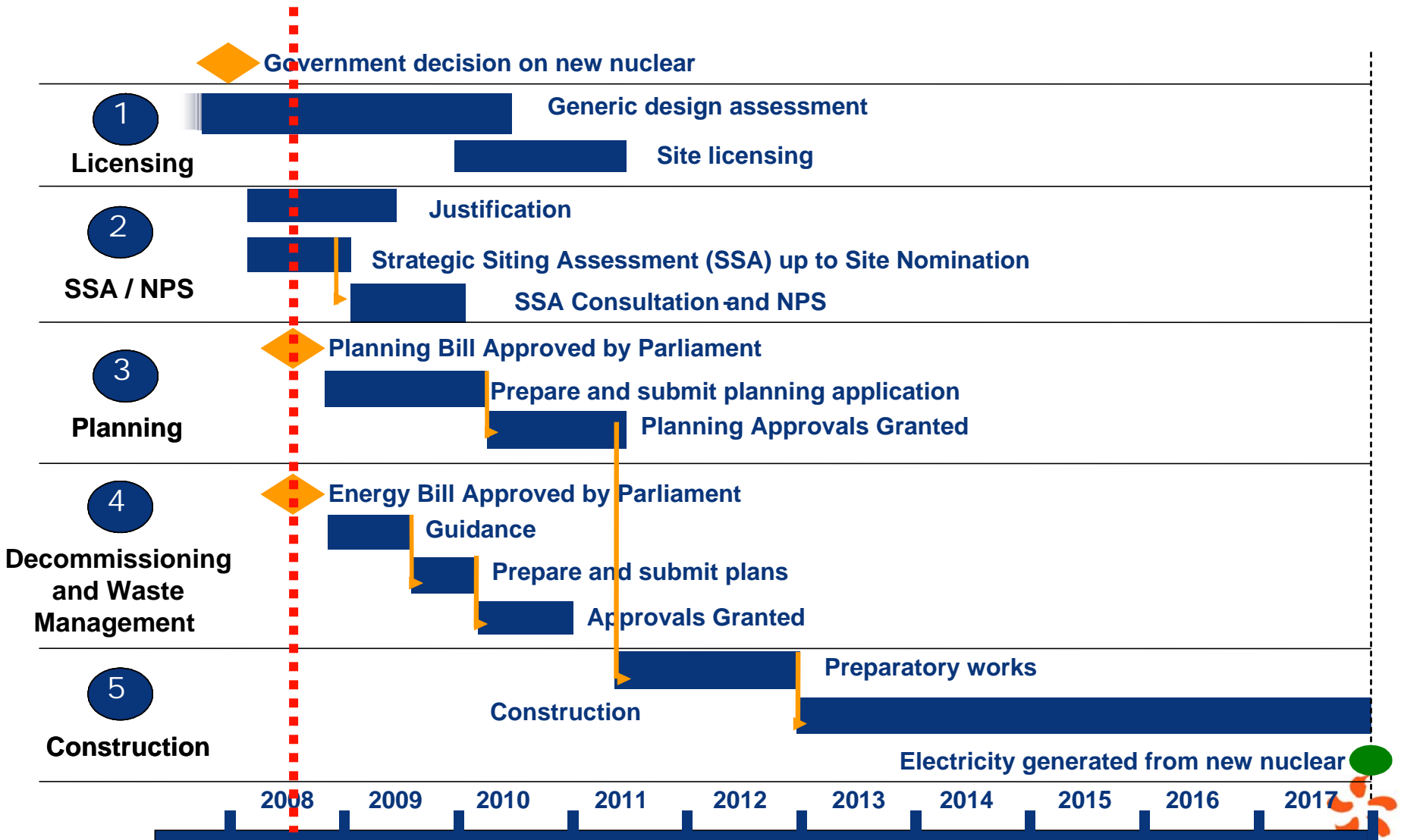


EDF has 58 PWRs in operation
Nuclear supplies about 80% of electricity in France



10 reactors in operation
Nuclear supplies about 18% of electricity in the UK

New Nuclear – government decision to generation in 10 years



A view of the future ? The first UK New Nuclear Build in 2014



Artist's view of EDF's Flamanville 3 EPR project



To conclude - EDF's nuclear ambition in the UK



■ Depends on:

- Announced positive Government policy on new nuclear power. Achieved with the Government's Nuclear White Paper 2007.
- Clear Government planning, licensing, waste disposal and carbon pricing policy framework. All of which are in progress.
- No nuclear subsidies are needed.

■ In order to:

- Build up to 4 reactors by 2025 (6400MW)
- Feed power into the grid from the first reactor in 2017

Questions ?

