

NFLA (SCOTLAND) SCOTTISH UPDATE BRIEFING OCTOBER 2020

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Scottish NFLA 22nd October 2020

NEW NUCLEAR: IS SIZEWELL C THE ONLY ONE LEFT AFTER HINKLEY/?



- Questions about Chinese involvement (CGN 20% stake);
- European neighbours invited to comment;
- Completion date 2034 at earliest; six years at least to payback carbon used during construction;
- Likely only replacing renewables;



- ▶ Stage 1 consultation ran March to July – unleashed wave of opposition;
- ▶ Colchester Borough Council opposed; Maldon District Council rejected site investigations application;
- ▶ CGN's - hopes of building its own reactor at Bradwell now look politically highly unlikely amid hostility to China;
- ▶ Sunak says no decisions made;

BRADWELL B



- ▶ Hitachi pulls out;
- ▶ Planning decision postponed again until 31st December;
- ▶ Westinghouse said to be interested in the site;
- ▶ Development company set up to exploit economic benefits of small modular reactors at Trawsfynydd;

WYLFA NEWYDD REFUSES TO DIE



- ▶ According to the brochure, the Moorside 'Clean Energy' Hub could result in the development of new nuclear plants, linkages with renewable energy generation, and hydrogen.
- ▶ Proposal from Cumbria Local Enterprise Partnership (LEP);
- ▶ Rolls-Royce proposing SMR;
- ▶ EDF proposing two EPR-type reactors;

MOORSIDE 'CLEAN' ENERGY PARK



- ▶ Steve Thomas report – hard to avoid conclusion that EDF has been continuing in expectation that someone will have to bail them out.

HINKLEY POINT C



- ▶ Reactor 3 and 4 now operating for 6 months;
- ▶ EDF hopes to get another 6 months afterwards;
- ▶ Closure brought forward to January 2020;
- ▶ More later.

HUNTERSTON B UPDATE



Draft Strategy

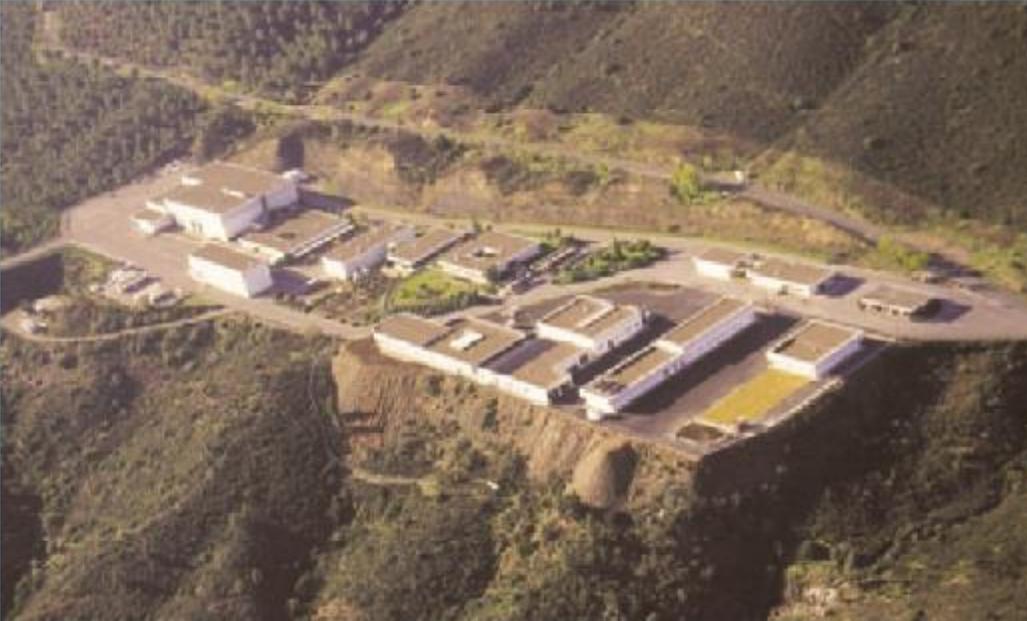
Published August 2020 for consultation

*Cleaning up the UK's earliest nuclear sites,
caring for people and the environment*

- ▶ A 100+ year mission;
- ▶ NFLA calling for stakeholders at each sites to be provided with:-
- ▶ an inventory of waste
- ▶ proposed destination allowing host local authorities (landfill sites, incinerators etc) and on transport routes - to be part of the conversation;

NDA DRAFT STRATEGY

Figure 4: Example of an Intermediate Level Waste disposal facility at El Cabril in Spain (Courtesy ENRESA S.A.)



- ▶ NDA is looking at the technical feasibility of ‘disposing’ of a proportion of UK ILW in near surface disposal (NSD) facilities;
- ▶ it is important to emphasise that, Scottish Policy requires that disposal facilities should be monitored and there should be a capability to retrieve waste packages and waste if necessary.”

**INTERMEDIATE LEVEL WASTE
“DISPOSAL”**



- ▶ THORP closed, but spent fuel continues to be transported to Sellafield;
- ▶ 2,000 tonnes of spent AGR fuel at Sellafield;
- ▶ Will rise to 5,000 to 6,000 tonnes by 2035 when AGRs will all be closed;
- ▶ A GDF wouldn't be able to receive spent fuel until 2075
- ▶ Magnox reprocessing extended to 2021

SPENT FUEL



Plutonium storage at the Sellafield nuclear site. Photo credit: Nuclear Decommissioning Authority, 2019.

- ▶ Stockpile 140 tonnes + 23 foreign;
- ▶ Older packages & facilities considered highest hazard on site;
- ▶ It will take around 40 years to repackage all of it;
- ▶ Some in such poor condition will have to be treated now and repackaged in new facilities opening in almost 10 years.

PLUTONIUM



DOUNREAY

- ▶ site won't be available for other uses for 313 years;
- ▶ waste should be removed from the Shaft by 2029; (waste dumped there 1959-77);
- ▶ Contracts awarded to Nuvia – work to begin later this year.



- ▶ Work was due to begin in July, but has been postponed to next year;
- ▶ MOD slammed for "shocking attitude" over the radiation clean-up at Dalgety Bay;
- ▶ Cllr David Barratt MP Neale Hanvey resorted to writing to the Press to get a progress report;
- ▶ Scottish Environmental Protection Agency (SEPA) said they were "disappointed" with the lack of progress as it transpired that neither the MoD nor their contractor had even applied for the permits which would allow them to start work.

DALGETY BAY



PEOPLE'S
ENERGY COMPANY

- ▶ Robin Hood – sold to Centrica;
- ▶ Bristol Energy – sold to Together Energy;
- ▶ People's Energy & East Lothian Council launching East Lothian Energy'
- ▶ Scottish Government remains committed to public energy company;

LOCAL ENERGY COMPANIES

Economic Recovery Implementation Plan

The Scottish Government's response to the Advisory Group on Economic Recovery

- ▶ Benny Higgins plan branded “a woefully inadequate response” to Covid-19 and the climate emergency” by environment groups;
- ▶ Higgins, warned that “ideological zealots” in the green movement risk wrecking the economy;
- ▶ the Programme for Government's £1.6 billion for heat & energy efficiency over 5 yrs widely welcomed;
- ▶ a good outline of what ambition looks like for Whitehall

JUST AND GREEN RECOVERY



- ▶ Not surprisingly focus is on heat and transport:
- ▶ wants the Scottish Government to set out a vision for low-carbon heating;
- ▶ devise more ways to make it easy for people to walk, cycle, use public transport, and work from home;
- ▶ ensure EV charging infrastructure in place to eliminate need to buy a petrol or diesel car by 2032;
- ▶ CCC wants Scotland to become the first UK nation to set out a net-zero plan

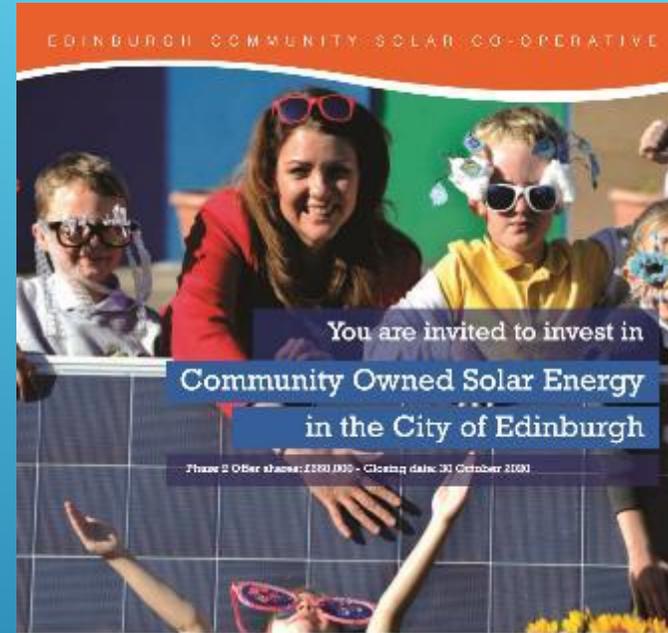
CCC ANNUAL PROGRESS REPORT

Stirling P&R solar car park

<http://www.apse.org.uk/apse/assets/File/SC%20Solar%20Projects.pdf>



Edinburgh Solar Co-op Phase 2 share offer



CLIMATE EMERGENCY

- ▶ Disappointment after SSE announced all turbine jackets for Seagreen project off coast of Fife to be made in China or UAE;
- ▶ George Kerevan asks why not make companies subsidised by the public through the CfD put something back in by hiring Scottish engineering companies?
- ▶ Still a chance we could get it right with floating wind.



OFFSHORE WIND JOBS