HORIZON NUCLEAR POWER

ENERGY WORKING FOR BRITAIN

Proposed Approach to Cumulative Effects Assessment

Meeting with the Planning Inspectorate, 21st April 2017

Welcome, Introductions and Safety Discussion

- Welcome and overview of agenda
- Introductions
  - Name
  - Organisation
  - What you hope to get from the meeting today
- Safety discussion

Aims and Objectives

- To understand the approach being taken to assessment of cumulative effects for the Wylfa Newydd Project
- To present the Reasonably Foreseeable Future Projects long list, and to ensure no projects are missing
- To present the Reasonably Foreseeable Future Projects short list, and a discussion on the process for moving from the long to short list
- To present the Committed Developments that are included in the future baseline traffic model

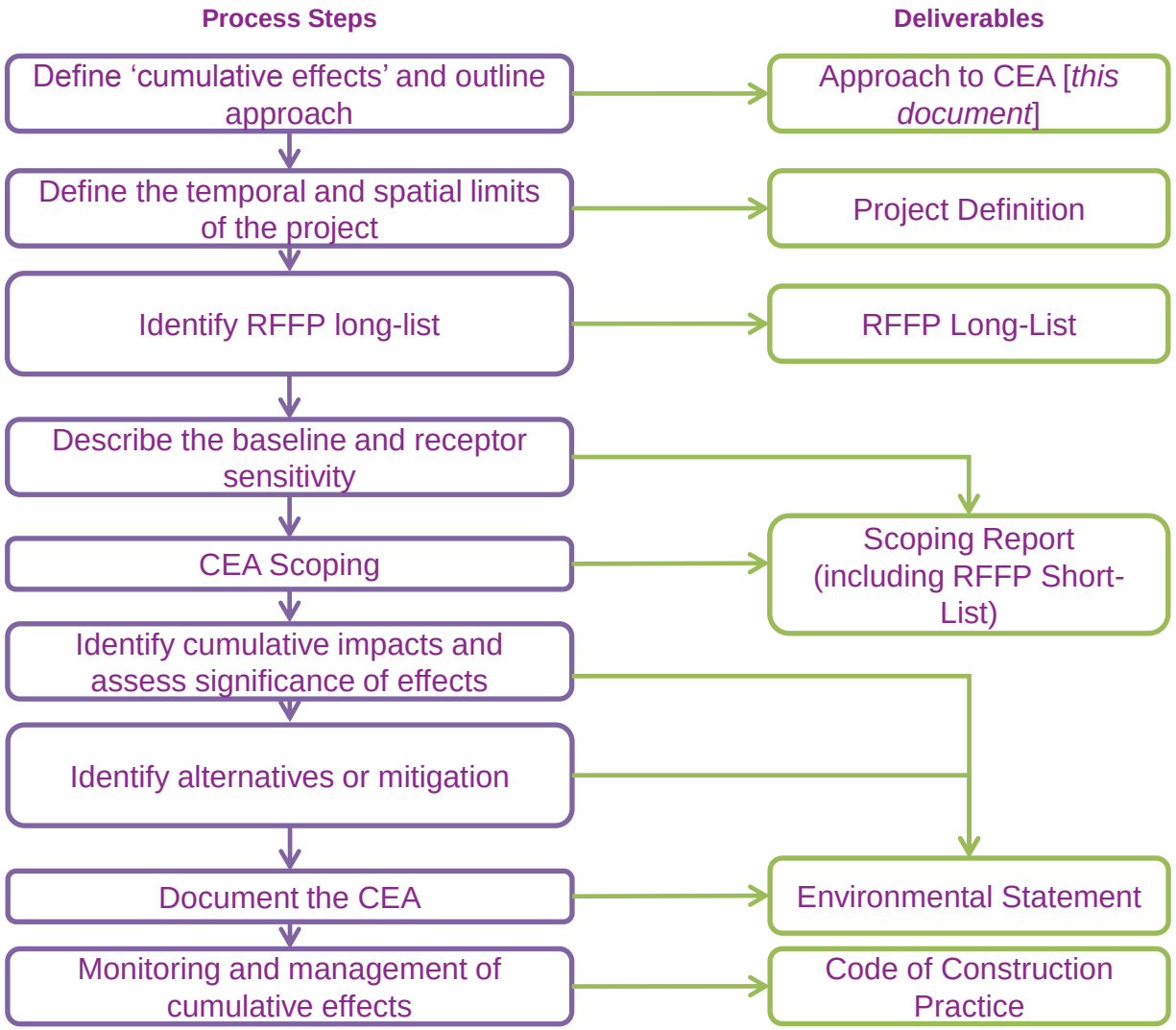
Defining ‘Cumulative Effects’

- Cumulative effects occur :
  - if several different impacts of the proposed Wylfa Newydd Project act together to affect a single receptor
  - as a result of changes caused by other reasonably foreseeable projects acting cumulatively with the effects of the proposed Wylfa Newydd Project

Types of Cumulative Effect

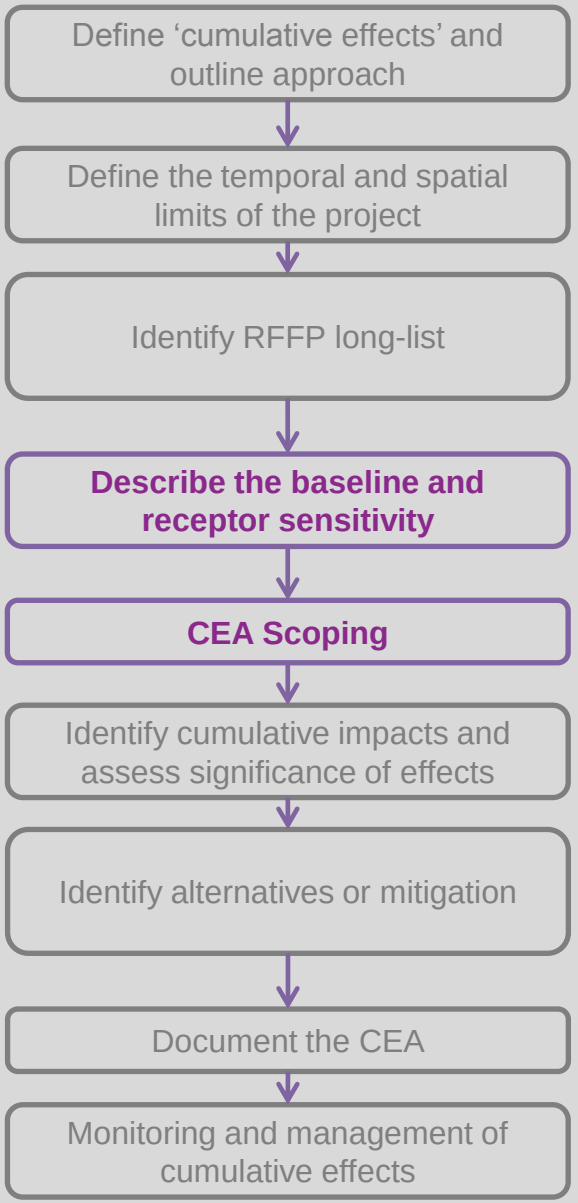
- **Combined Topic Effects**
  - a single resource or receptor is affected by more than one impact from the same development, usually at the same time. These are not strictly cumulative effects and so are reported separately.
- **Intra-project Cumulative Effects**
  - can arise when a single resource or receptor is affected by impacts from different developments in the same project, usually at the same time
- **Inter-project Cumulative Effects**
  - a single resource or receptor is affected by impacts from different projects, usually at the same time

CEA Approach



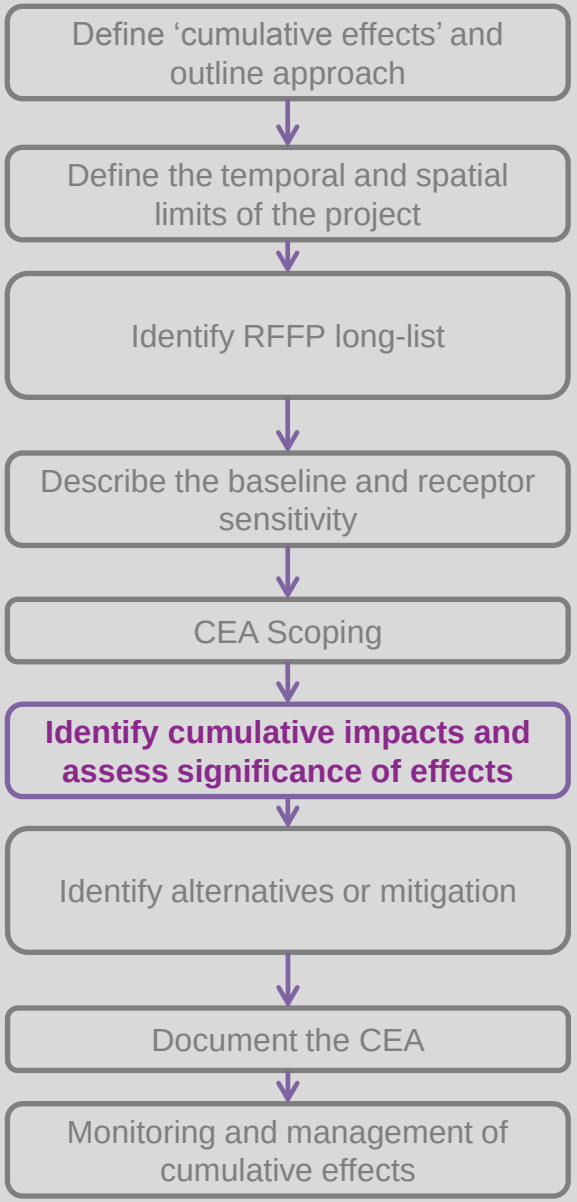
CEA Scoping: RFFPs

- Temporal scoping: scope out where impacts are not temporally aligned
- Spatial scoping: scope out where impacts are not spatially aligned
- Source – Pathway – Receptor: scope out where there is no relationship or linkage
- Remaining RFFP comprise a ‘short-list’



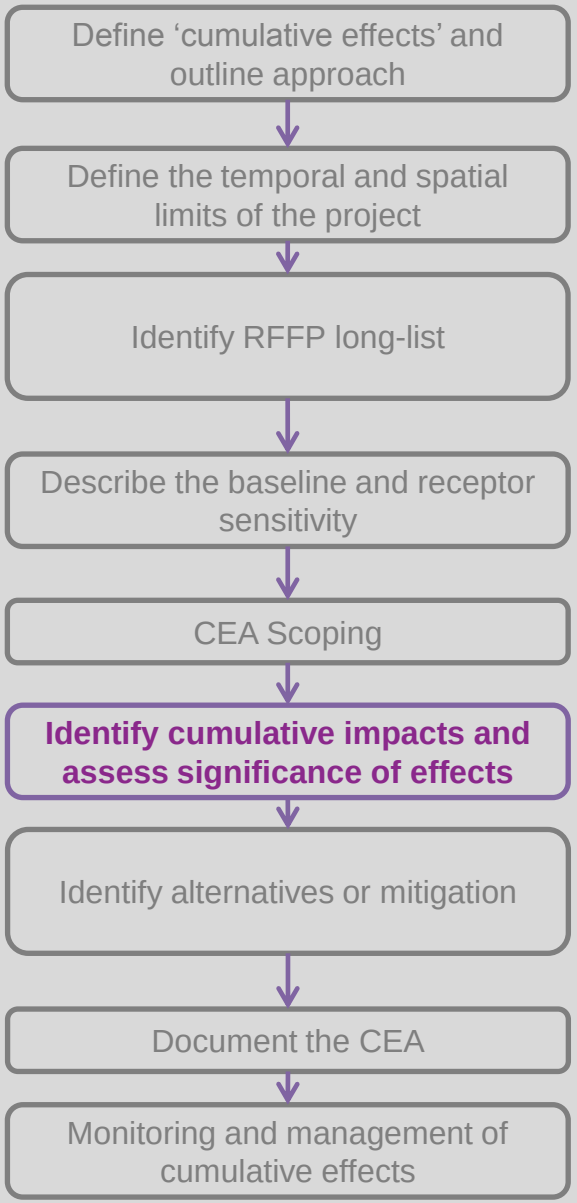
Assessing Significance: Individual component developments and project-wide effects

- The ES for the Wylfa Newydd Project will first consider the individual effects of each of its component developments in turn.
- The assessment of each development will take account of potential effects on individual receptors from multiple impacts.
- Some potential effects of the project are best assessed at a project-wide level.
- SPC is part of the Power Station Main Site works and is assessed as such in the DCO.



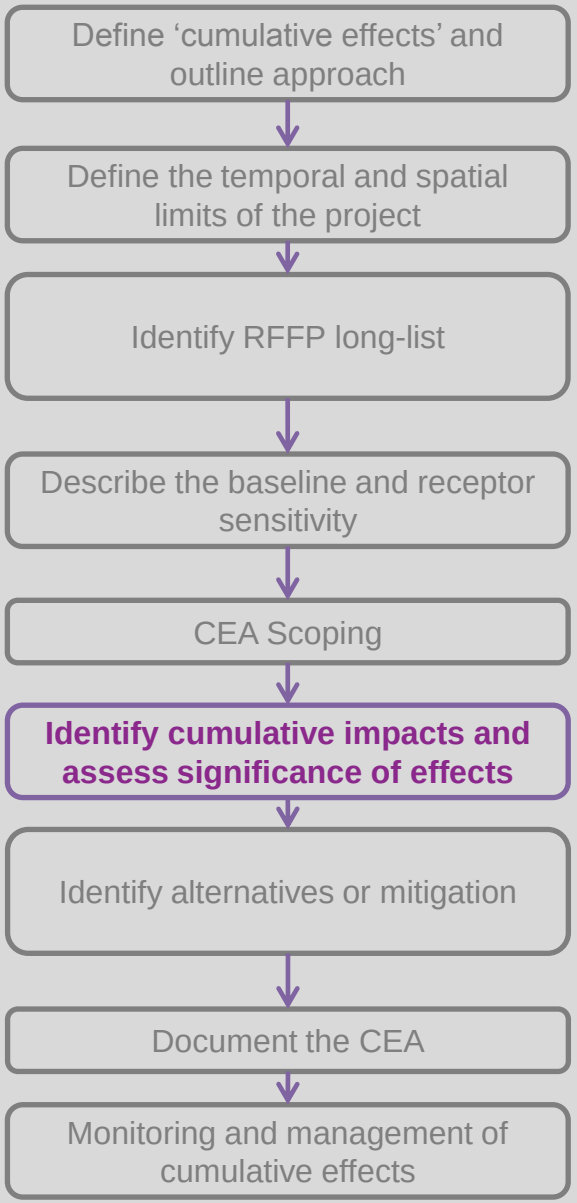
Assessing Significance: Intra-project effects

- Developments within the Wylfa Newydd Project:
  - Power Station Main Site;
  - Off-Site Power Station Facilities: MEEG, AECC and ESL;
  - Dalar Hir Park and Ride Facility;
  - A5025 Off-line Highway Improvements; and
  - Parc Cybi Logistics Centre.
- Exclusions:
  - A5025 On-line Highway Improvements;
  - Visitor and Media Centre; and
  - Permanent Housing



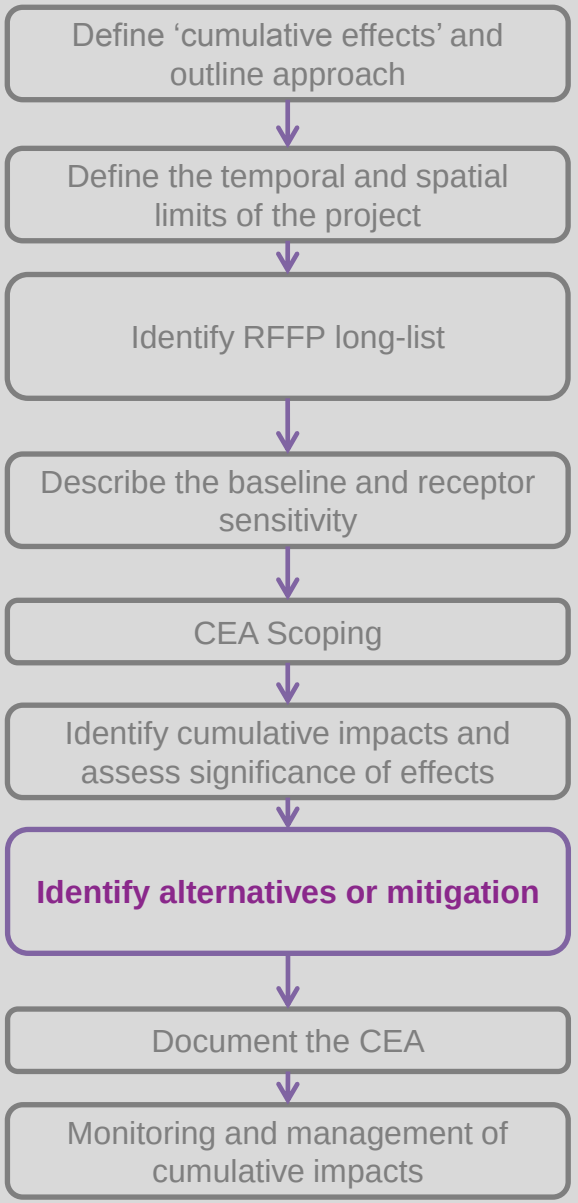
Assessing Significance: Inter-project effects

- Long list of RFFPs
- Short list of RFFPs and their potential to contribute to cumulative effects
- Horizon TCPA developments – To be dealt with as RFFPs
- Notable exclusion: 3rd Menai Bridge
- Llanfaethlu Primary School: source of cumulative effects and a new receptor



Alternatives and Mitigation

- Identify alternatives wherever practicable
- Outline where effects have been mitigated through design
- Identify any additional mitigation
- Work with other developers to share the burden of additional mitigation (where appropriate)
- Incorporate mitigation from CEA in to EIA processes



Scope of the SPC ES Cumulative Effects Assessment

- The SPC ES will follow the same methodology, with the scope as follows
  - Intra-project effects where SPC and other developments within the Wylfa Newydd Project affect shared receptors leading to cumulative effects.
  - Inter-project effects where SPC and RFFPs affect shared receptors leading to cumulative effects

Discussion: Development of the RFFP Short and Long-List

- We are seeking your input in the development of the RFFP lists:
  - Should any of the listed projects be removed?
  - Are there any projects that should be added?

Committed Developments (future baseline for the traffic model)

- Definition
- List of committed developments
- Traffic-related cumulative effects
- Non-traffic-related cumulative effects
- Traffic modelling years

Future Engagement on CEA

- Engagement on mitigation proposals
- CEA engagement will be combined with other engagement where appropriate

EIA Scoping Update

- Addendum to March 2016 Scoping Report being prepared
- Focusses on changes made to the Project as a result of Design Optimisation
- Brings Associated Development within the DCO EIA
- Covers Marine Licence EIA Scoping
- Approach discussed with PINS
- Submission expected in April 2017
- PINS consultation expected to be largely complete prior to PAC3

PAC3 Update

- Focusses on changes made to the Project as a result of Design Optimisation
- Brings Associated Development within the DCO
- Environmental information focussed on areas where effects are expected to change
- Environmental information will be incorporated within the main consultation documentation
- PAC3 expected to commence end May 2017 and last 29 days
- Feedback received will be considered and fed in to the design or assessments where appropriate. A Consultation Report will be prepared as part of the DCO application.
- Detailed technical engagement ongoing and feeding in to Statements of Common Ground

DCO ES Structure and Content

- Structure of the ES has developed since PAC2, largely to reflect the inclusion of Associated Development in the DCO
- ES is still split out geographically for the specific developments
- New volume looking at Project-wide effects
  - Traffic and transport
  - Socio-economics
  - Waste and materials management

DCO ES Structure

- Non-Technical Summary
- Volume A: Introduction to the Project and to the Environmental Statement
- Volume B: Introduction to the environmental topics
- Volume C: Project-wide effects
- Volume D: Power Station Main Site
- Volume E: Power Station Off-site Facilities: AECC, ESL and MEEG
- Volume F: Dalar Hir Park and Ride Facility
- Volume G: A5025 Off-line Highway Improvements
- Volume H: Parc Cybi Logistics Centre
- Volume I: Cumulative effects
- Volume J: Summary of residual effects

DCO ES Topics

- Socio economics
- Traffic and transport
- Public access and recreation
- Air quality
- Noise and vibration
- Soils and geology
- Surface water and groundwater
- Terrestrial and freshwater ecology
- Landscape and visual
- Cultural heritage
- Coastal processes and coastal geomorphology
- The marine environment
- Radiological effects
- Shipping and navigation
- Waste and materials management

Accident Risks and Transboundary

- New EIA Directive and updated EIA Regs require consideration of:
  - *"vulnerability (exposure and resilience) to major accidents and/or disasters, the risk of those accidents and/or disasters occurring and the implications for the likelihood of significant adverse effects on the environment"*
- EIA Directive notes that reliance can be placed on material prepared for Article 37 (Euratom) submission and COMAH
- Separate document will be prepared (included in ES as an appendix) considering effects from accident risks
- Documentation produced will feed in to UK Government requirements under Convention on Environmental Impact Assessment in a Transboundary Context (Espoo)

New EIA Regulations

- Horizon DCO EIA expected to be submitted under existing EIA Regulations (The Infrastructure Planning (Environmental Impact Assessment) Regulations 2009 & 2012)
- ES will give due consideration to the updated Directive and new Regulations
- Key considerations:
  - Impacts on, and resilience to, climate change: addressed in relevant chapters in ES and in separate Sustainability Assessment
  - Risks from major accidents or disasters: addressed in an appendix to the ES
  - Impacts on human health: addressed in specific ES chapters and in separate Health Impact Assessment

Other EIA Related Questions

- Any questions on the scope of the EIA, approach, content etc?

HORIZON
NUCLEAR POWER

ENERGY WORKING FOR BRITAIN

Thank you very much for
your attention