

Magnox Decommissioning – Reviewing the current strategy

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Introduction

- There are three potential decommissioning strategies
 - Deferral with minimal interventions
 - Deferral with planned interventions
 - Continuous
- Current strategy is deferral with planned interventions
- Intended to get benefits of radioactive decay, discounting and to wait until a GDF is available
- From NDA strategy 3
 - “Increasingly we find ourselves questioning whether the baseline strategy is appropriate as a blanket strategy for all reactors in the Magnox fleet”
- We said we would review the strategy
- Not saying that current strategy of deferral is ‘wrong’ but investigating whether the the blanket application to all sites in fleet is optimal
- No decision has yet been taken

Deferral Strategy

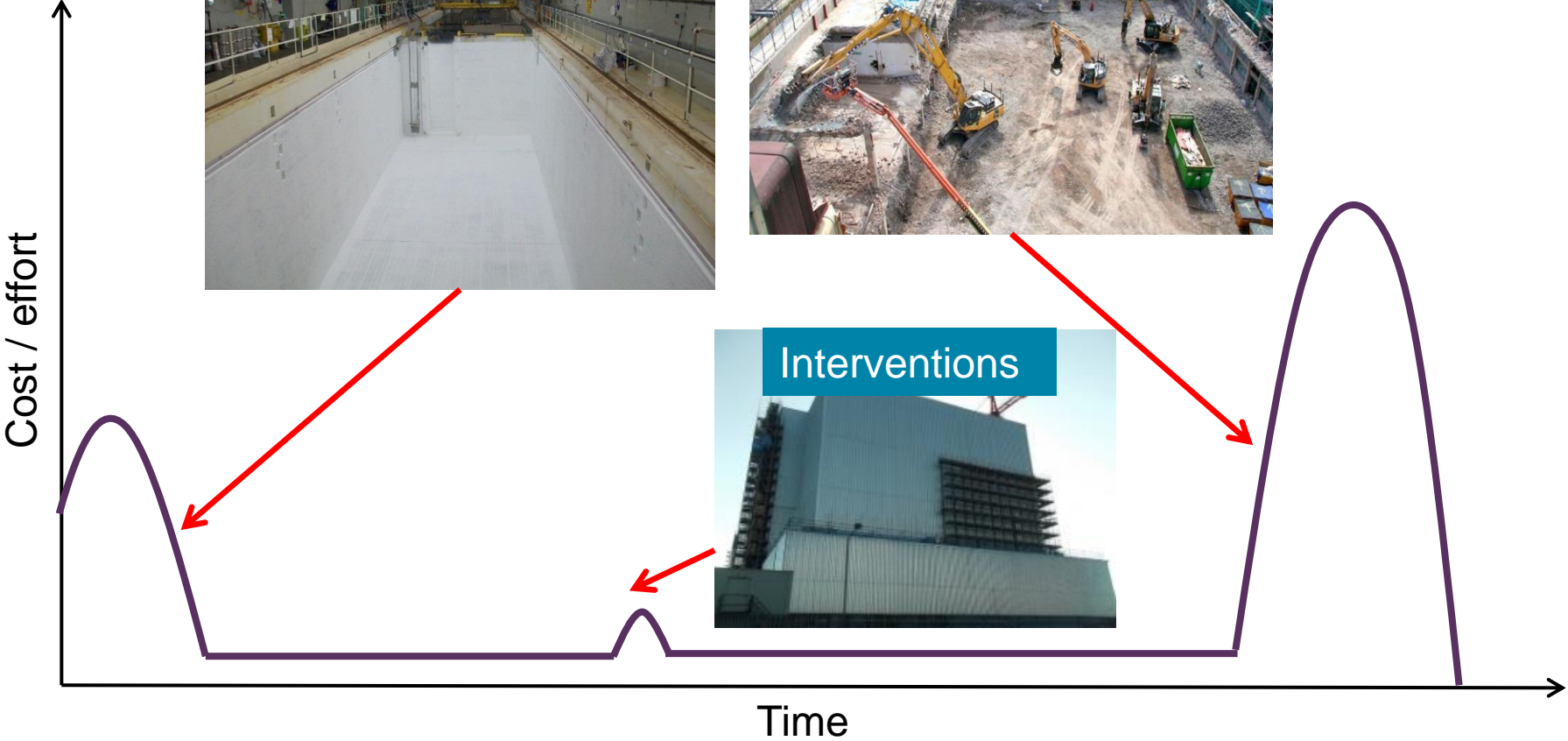
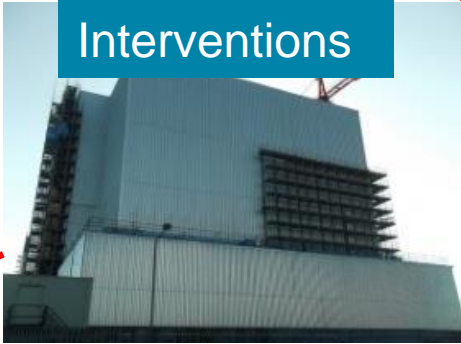
C&M Preparation



Final Site Clearance

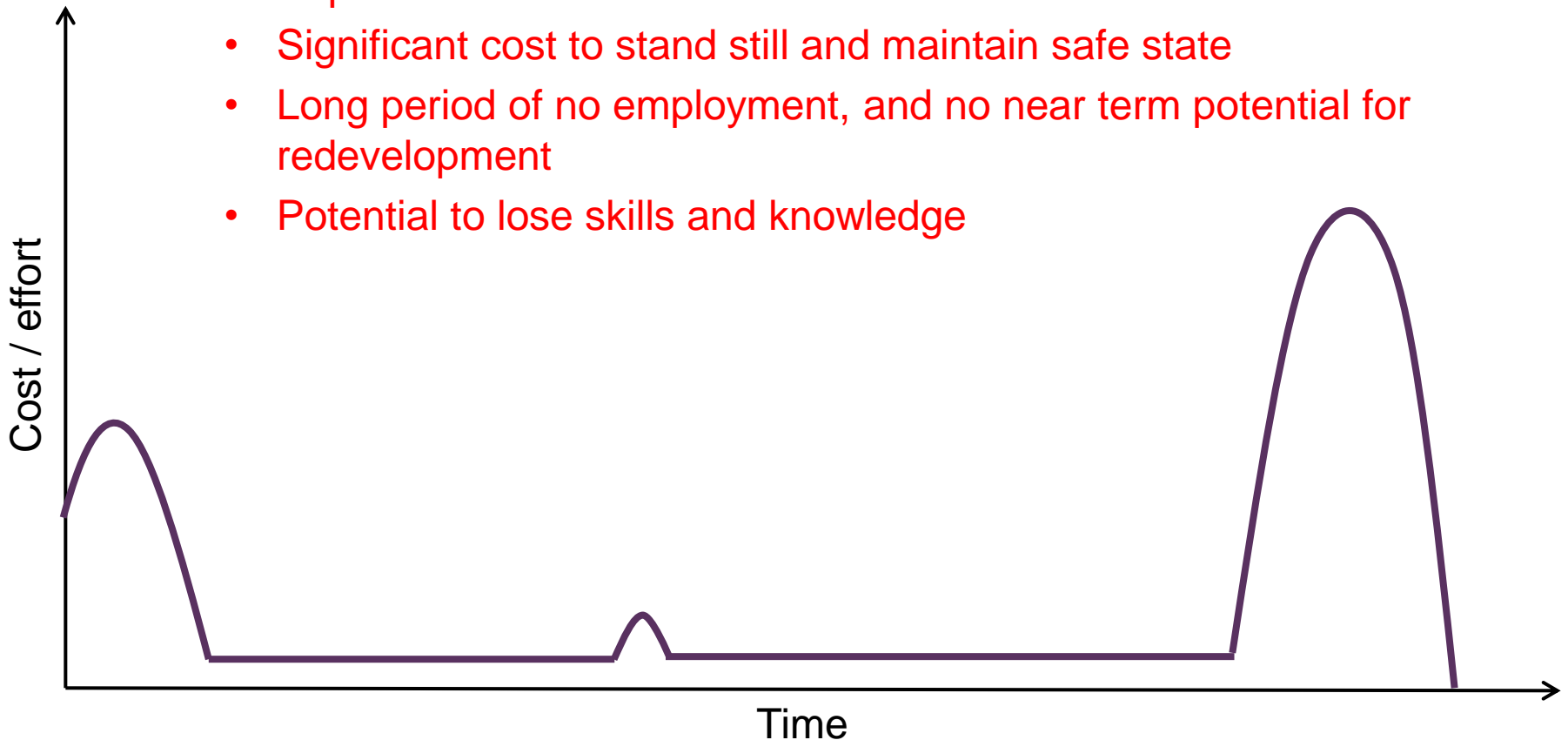


Interventions



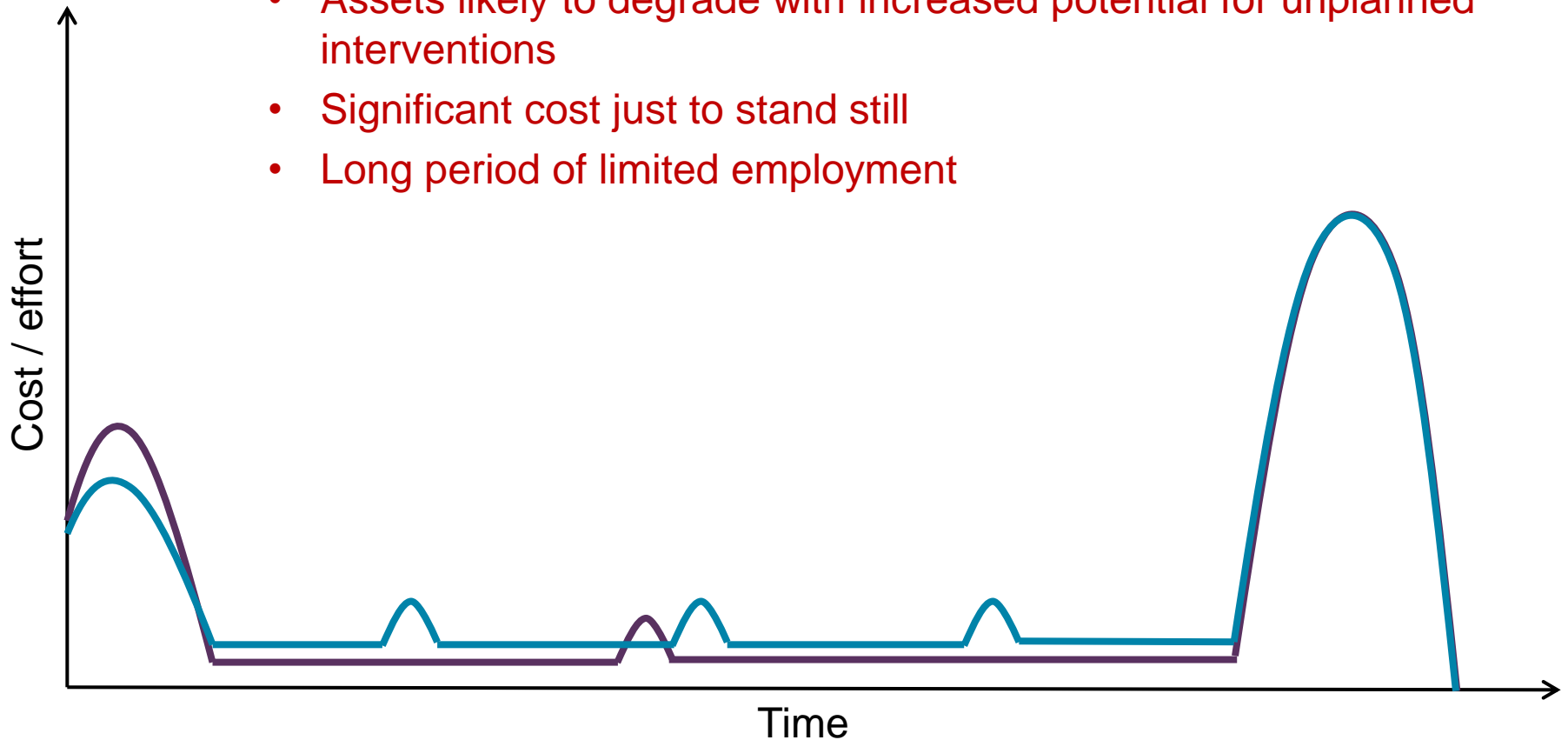
Deferral with Minimal Interventions

- Benefit from Radioactive decay – BUT conventional hazards mean remote working required
- Avoids need for interim storage of wastes – BUT storage will be required for transfer to GDF
- Significant cost to stand still and maintain safe state
- Long period of no employment, and no near term potential for redevelopment
- Potential to lose skills and knowledge



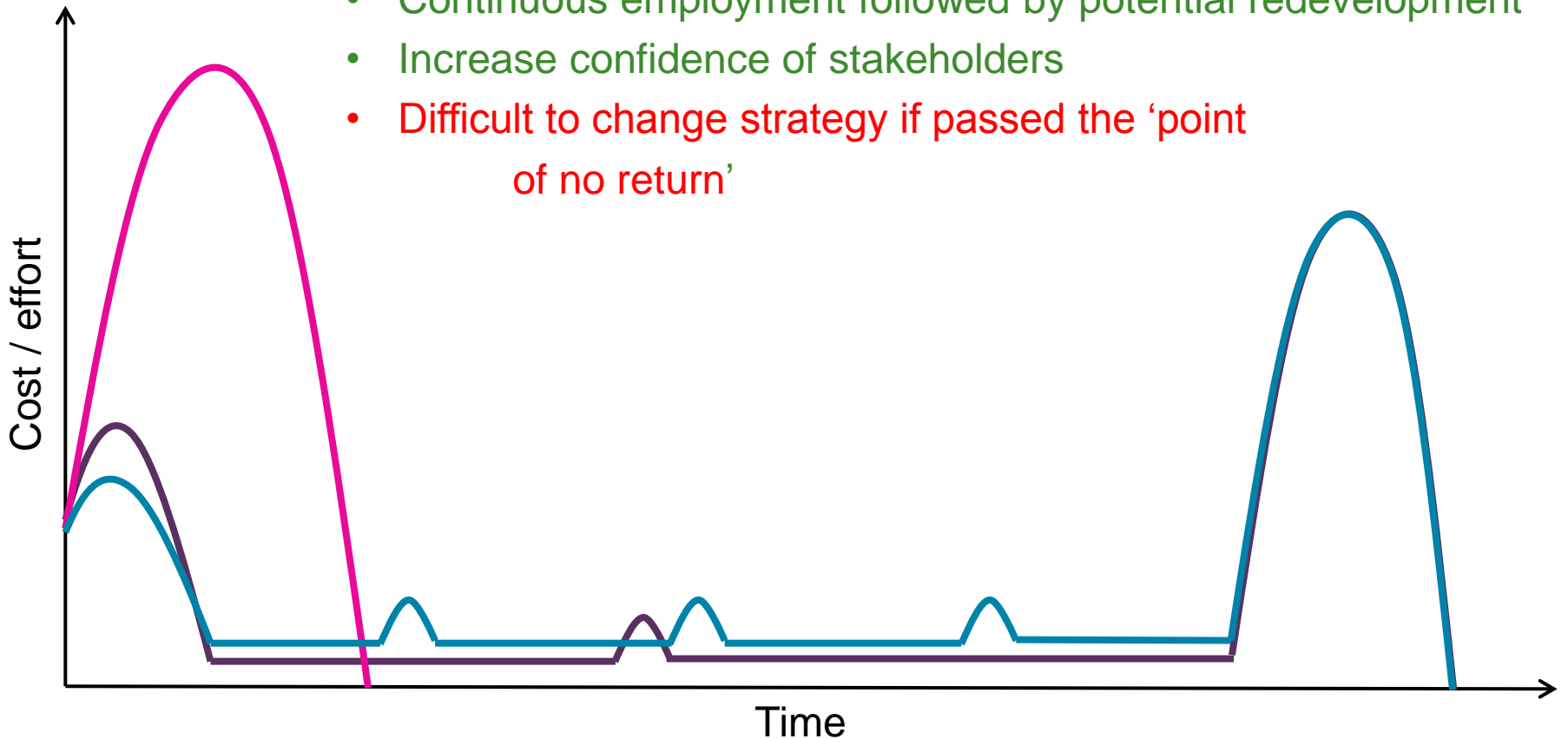
Deferral with Planned Interventions

- Slight reduction in near-term spend
- More interventions mean more skilled jobs
- Assets likely to degrade with increased potential for unplanned interventions
- Significant cost just to stand still
- Long period of limited employment



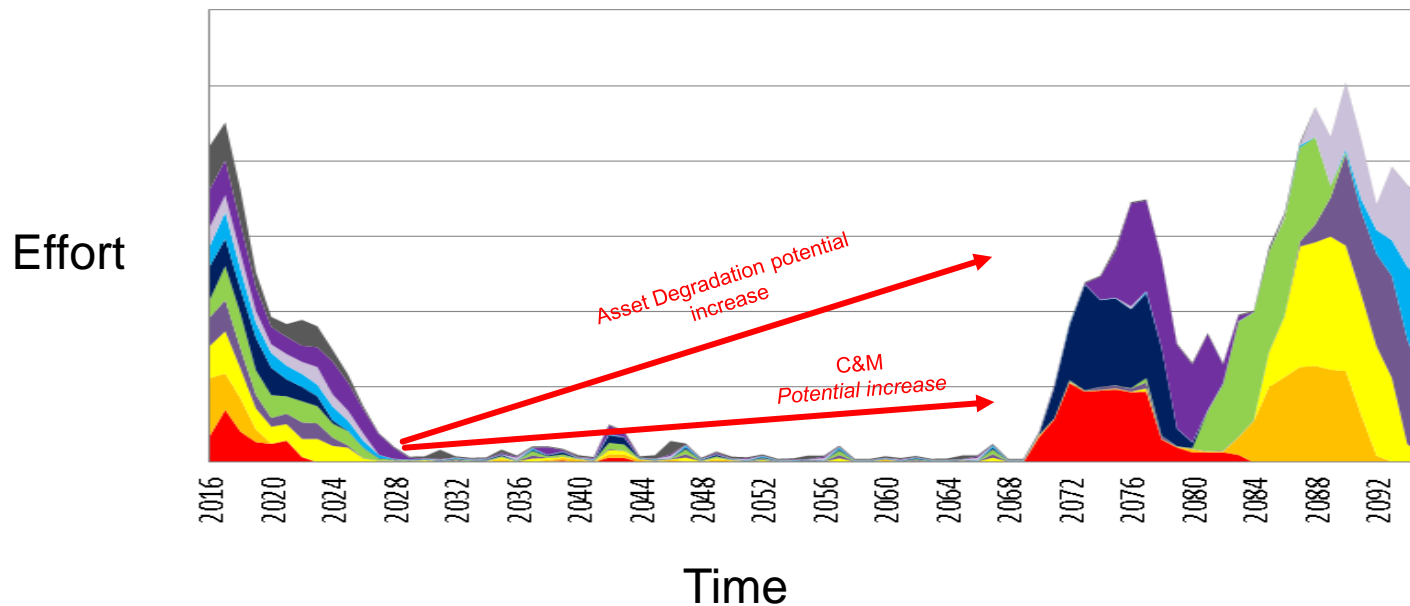
Continuous decommissioning

- Significant near-term spend
- Remote working required
- Visual impact of waste stores far less than reactors in safestore
- Continuous employment followed by potential redevelopment
- Increase confidence of stakeholders
- Difficult to change strategy if passed the 'point of no return'



Applying one Strategy to all sites

- Stakeholder perception
- Some sites ageing faster than others
- Lack of skilled work force or supply chain



Interim Storage of Wastes

- Interim storage will be required if decommissioning completed before or after GDF
- Might be minimal cost difference based on Bradwell example :



Bradwell site





Summary

- We are gathering evidence as part of a review of decommissioning strategy
- Not saying that current strategy is 'wrong' but looking at whether blanket application is optimal
- No decision has yet been taken