

Electricity Industry Olympic Preparations

Phil Clements, National Grid
24th February 2010



nationalgrid

The power of action.™

Overview

- ◆ Olympic Games coming to London in 2012
- ◆ All involved have a responsibility to uphold the UK reputation
- ◆ Energy industry – “inheriting the risk”
- ◆ National Grid and EDF Energy Networks engaging with industry, Government and Olympic bodies through E3C
- ◆ Driving industry and external stakeholder engagement
- ◆ E3C Olympics Sub Group
 - ◆ Members
 - ◆ Areas of Review / Outputs
- ◆ “Reacting” to the Games.

- ◆ How do YOU think Industry should be responding to the challenge?

London 2012

- ◆ Significant, international event, originating in Greece in 776 BC!
 - ◆ Host City Contract Awarded to London in July 2005 (3rd time)
 - ◆ 27th July - 9th Sept 2012 (inc. Paralympic Games)
 - ◆ 34 Venues throughout the UK (many new)
 - ◆ 200 countries, 17,000 Athletes
 - ◆ 9 million expected ticket sales.
 - ◆ 20,000 journalists
 - ◆ Anticipated cost £11.3bn
 - ◆ To be viewed globally
- ◆ Testing time for UK transport, emergency services, national security, energy...

London 2012

◆ External View:

“We will deliver the best possible Olympic and Paralympic Games experience for everyone involved.”



- London Organising Committee for the Olympic & Paralympic Games (LOCOG)

“We want to feel proud...in the many years after the flags come down.”



- Sebastian Coe, Chairman, LOCOG

“We will promise you a games we will never forget.”

- Ken Livingstone, former Mayor of London

Olympics Games Infrastructure - 2012

The Olympic Stadium



The Aquatics Centre



The Velodrome



The Olympic Village



Olympics Games Infrastructure - Today

The Olympic Stadium



The Aquatics Centre



The Velodrome



The Olympic Village



Industry Alignment

Our position could be....

- ◆ Industry generally delivers a good service level.
- ◆ Public confidence in our management of energy.
- ◆ Our service levels are regulated, do we even need to consider a deviation from “business as usual”?
- ◆ Experience has proven that energy is usually sustained through high profile events without incident. Is this any different?
- ◆ What is the additional risk presented?

Inheriting the Reputational Risk

Consider...

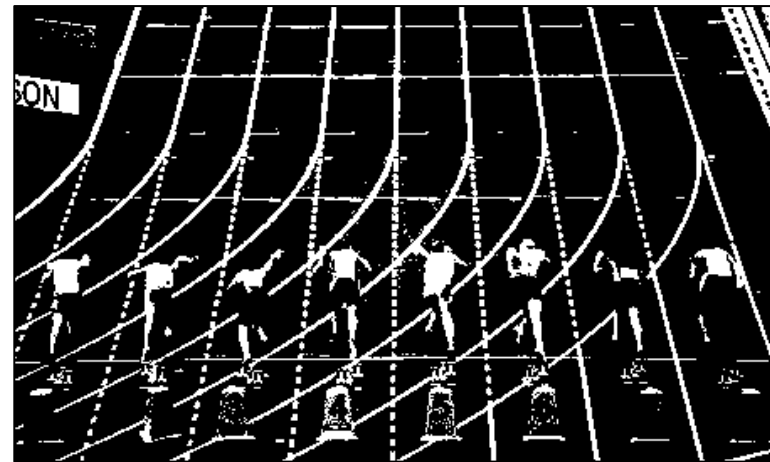
- ◆ The starting line up for the final of the 100m sprint is missing competitor number 6
- ◆ They are held up in traffic en route to the Olympic Park as a result of road works caused by the electricity industry...



Inheriting the Reputational Risk

Consider...

- ◆ Competitor number 6 then arrives, the line up is complete and the finalists are awaiting the (now late) starting gun to begin the race.
- ◆ A bang is heard. It isn't the starting gun, but a fault on a major electricity supply point.....



Inheriting the Reputational Risk

Consider

- ◆ A football striker is set up to score a match-winning goal for a team you support, when the floodlights fail causing the target to be missed....



The Risk

There is a risk that...

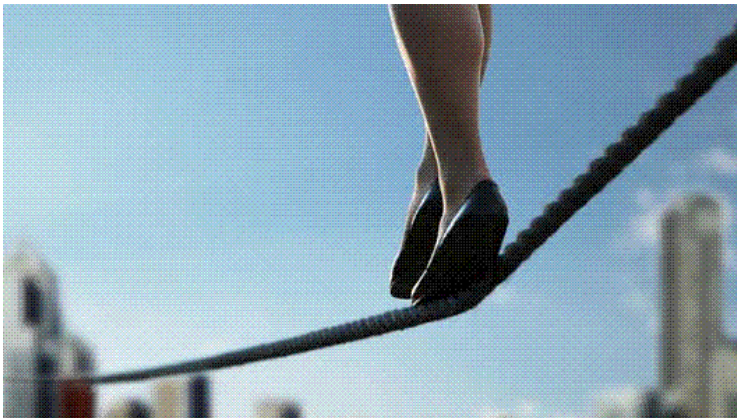
- ◆ Industry could suffer reliability issues during Olympic events

...because of...

- ◆ Lack of definition of stakeholder requirements, political dimensions, review, prioritisation or planning.

...with the consequence being...

- ◆ Global reputational impact of industry and the UK, linked with potential financial consequences if there were to be a culpable failure

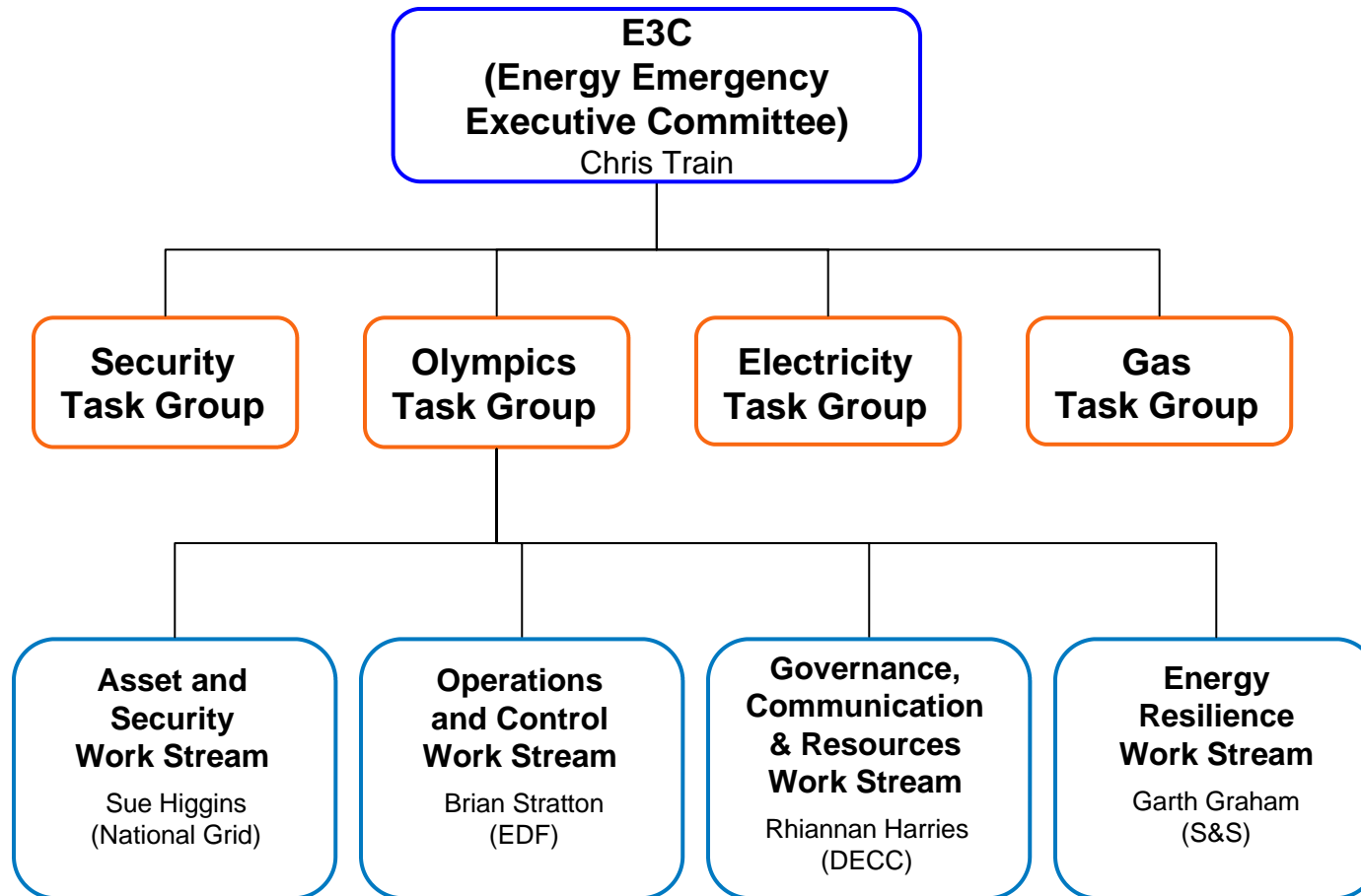


*Where do we, **as an industry** position ourselves?*

Objectives of E3C Task Group

- ◆ To ensure Gas & Electricity industry co-ordination towards:
 - ◆ Physical asset maintenance, security, resilience & readiness
 - ◆ Communication, command & control
 - ◆ Identifying & implementing any special support agreements
 - ◆ Sector wide contingency & resource availability
 - ◆ Ensuring security of supply
- ◆ Through..
 - ◆ Development of costed risk reduction strategies
 - ◆ Training & accreditation of individuals required in & around the Olympic venues & critical infrastructure
 - ◆ Management of operational risk/benefit and establish appropriate cost recovery for additional services

E3C Olympics Task Group



E3C Areas of Review

- ◆ Network Management
- ◆ Maintenance
- ◆ Strategic Spares
- ◆ Capacity
- ◆ Security
- ◆ Communications
- ◆ Venue Power Management
- ◆ Cross ESI Games period communication?
- ◆ Improvements in cross ESI outage co-ordination possible?
- ◆ Customer connections – expectation management
- ◆ Human Resource Issues



E3C Areas of Review

Energy Resilience

- ◆ Plant Operating Margin & Response Holding
- ◆ Interconnectors
- ◆ Common issues (technical failure, weather impact...)
- ◆ LCPD plant
- ◆ Market Response
- ◆ Gas availability

... we're trying to cover everything!



Driving Stakeholder Engagement

