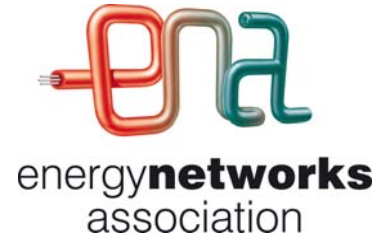


ENA-HSE



“Agriculture Engagement Group” Meeting
HSE Offices, Stoneleigh
13 December 2006

PRESENTED BY PETER COYLE AND NIGEL LILLEY

About the Energy Networks Association

Funded by UK gas and electricity transmission and distribution licence holders.

- **Purpose** - to consolidate a highly focused trade association that delivers value to its members by achieving excellence both within its internal services and externally in its relationships with all stakeholders for mutual benefit.
- **Vision** - to exert influence successfully on common issues in the operating environment, including regulation and the wider policy framework, both at a domestic and European level to provide cost-efficient 'in common' technical services and related businesses for the benefit of members.
- **Mission** - to promote and enable the UK to have the safest, most reliable, efficient and sustainable energy networks in the world.

ENA Member Companies

Electricity



ENA Member Companies

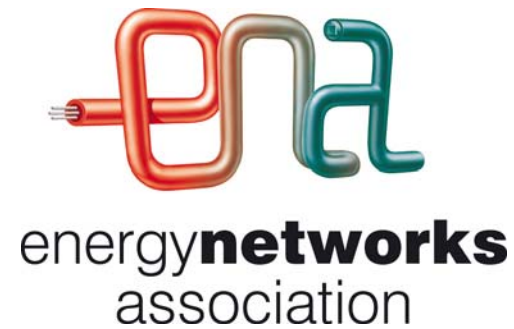
Gas



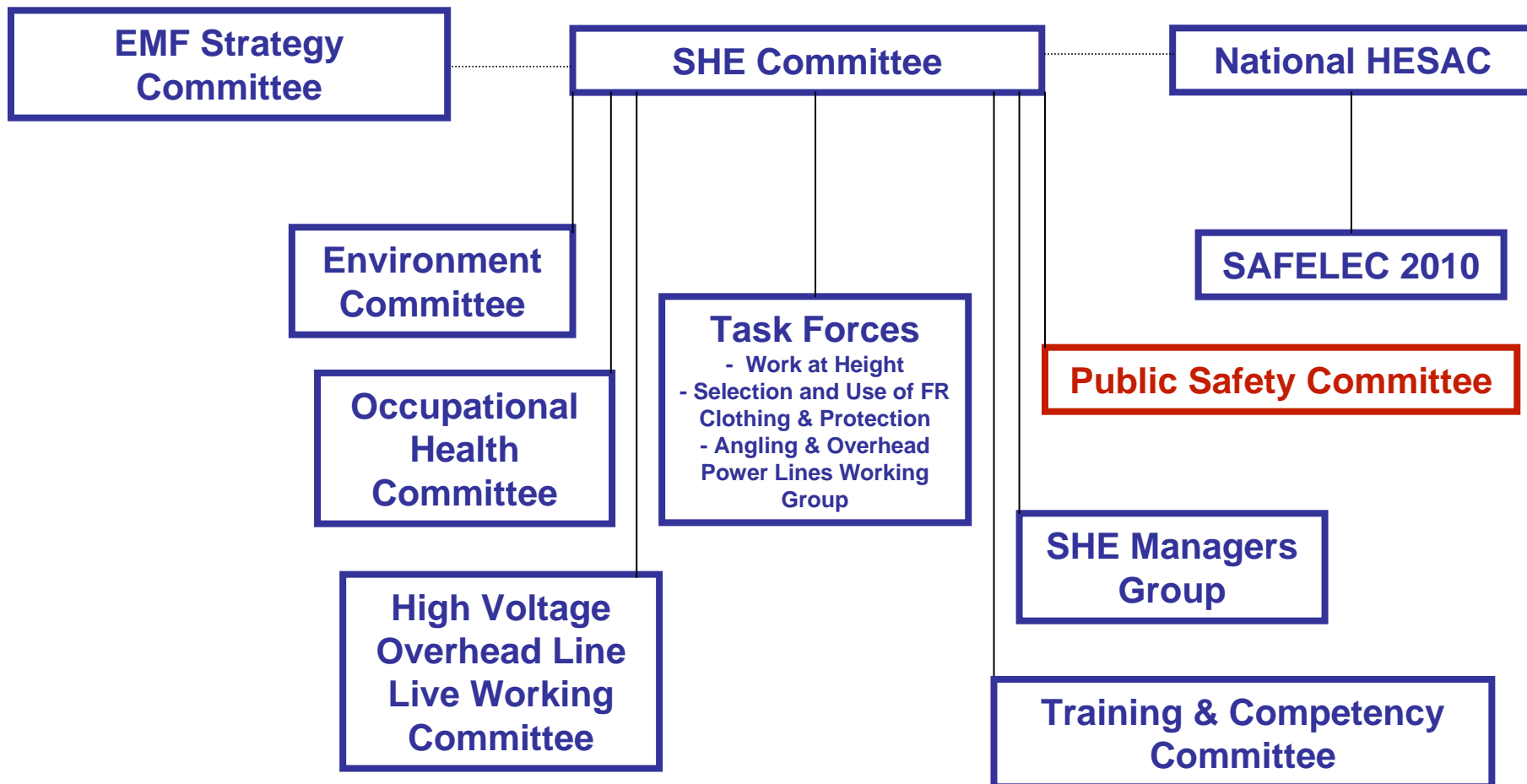
ENA Associate Companies



Trade Associations



Safety, Health & Environment



Public Safety Committee

- Terms of Reference – include
 - To review the application of the Electricity Safety Quality and Continuity Regulations and to share ‘good practice’.
 - Specific Recreational Activities
 - To facilitate an Angling and Overhead Power Lines Safety Forum.

Public Safety Committee

- Terms of Reference - include
 - Publicity
 - To identify and share publicity initiatives and to identify where national publicity might usefully be employed. To review and update, as appropriate, existing ENA publicity materials.
 - To review and update existing guidance on substation security.
 - To review and consider public safety educational material.

Public Safety Strategy

PRODUCED BY THE SAFETY, HEALTH & ENVIRONMENT GROUP OF THE ENERGY NETWORKS ASSOCIATION - NOVEMBER 2006

publicsafety 
energy**networks**
association

our commitment to public safety

Introduction

DTI, HSE and ENA Member Companies will work together, supported by Ofgem where appropriate, to develop a strategy with the aim to reduce the number of incidents, in particular fatalities and injuries, caused by members of the public coming into contact with the electricity transmission and distribution network. ENA Member Companies, together with other stakeholders, will take the strategy forward, introducing initiatives to reduce, so far as is reasonably practicable, such incidents within their own areas.

Background

This strategy follows on from the work of ENA-DTI Strategic Working Group which was established with the following objective:

DTI and ENA Member Companies will work together in partnership with the aim to reduce the number of incidents, in particular fatalities and injuries, caused by members of the public coming into contact with the electricity transmission and distribution network.

The strategic Working Group set up a sub-group to analyse the fatal, injurious and near miss incidents involving the public over the past 10 years (up to 31 March 2005). This data analysis indicated that the areas for concern were (in order):

- * Accidental contact with Overhead Lines (OHLs):
 - Tipplers and hiabs
 - Ladders and poles
 - Tree climbing / cutting
 - Fishing
 - Boating / masts
- * Road traffic accidents
- * Suicides / willful interference
- * Aircraft / balloons
- * Damage to underground cables

Proposals for a range of initiatives/measurements to reduce incidents

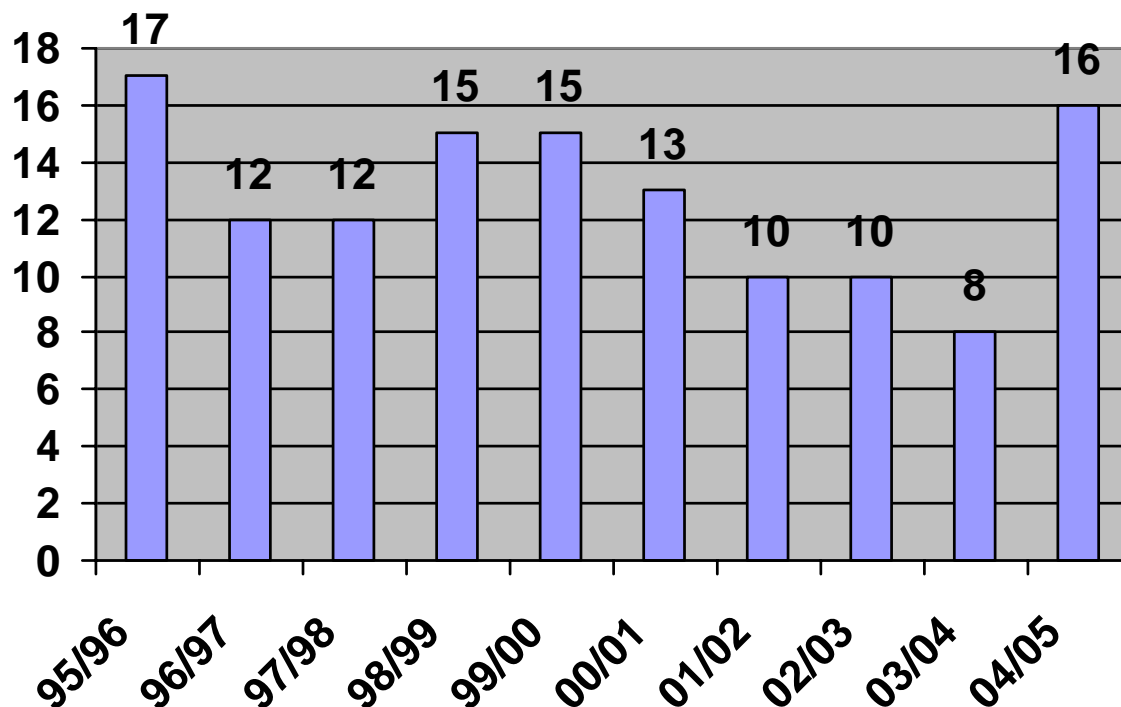
1. Build known public safety considerations, so far as is reasonably practicable, into the design stage for all new schemes (e.g. new lines, rebuilding or major refurbishment and diversions);

Examples could include:
ENA Member Companies including public safety issues in their policies and sharing best practice;

Page 1 of 3 energy**networks**.org

Analysis of Fatal, Injurious and Near Miss Incidents Involving the Public

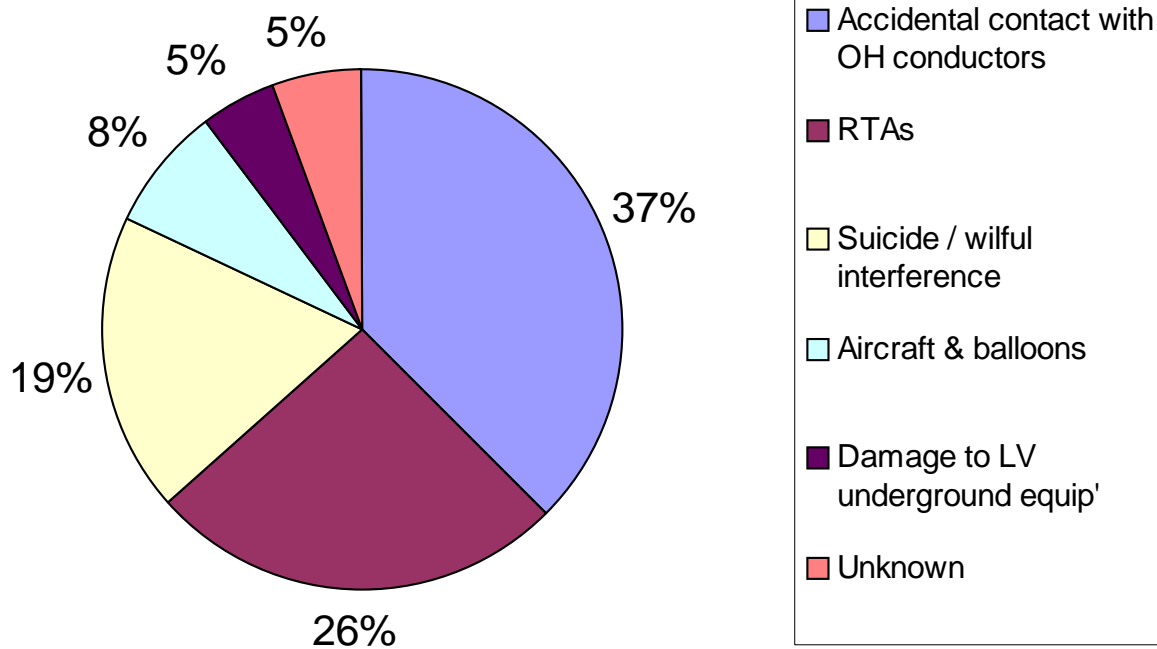
- Graph showing fatality incidents per annum – total 128



Source: DTI Database up to 31 March 2005

Analysis of Fatal, Injurious and Near Miss Incidents Involving the Public

Chart showing fatality incidents by cause - 128 incidents



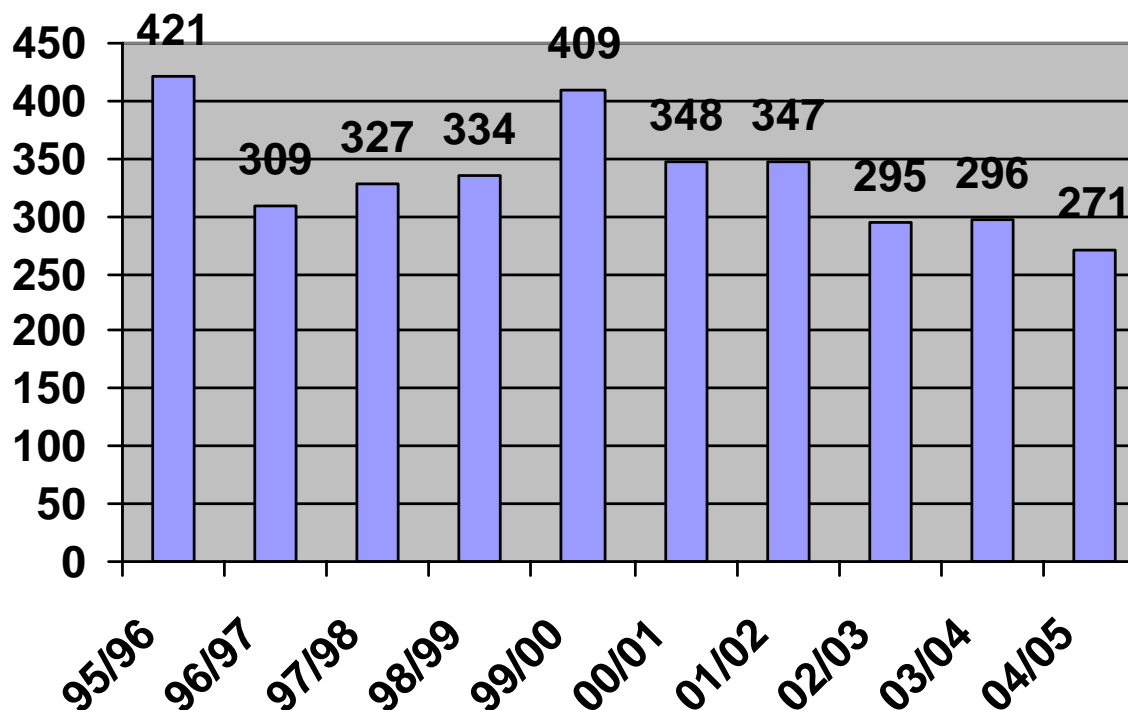
Analysis of Fatal, Injurious and Near Miss Incidents Involving the Public

- Fatalities: Contact with OHLs – location and activities
 - Tippers / hiabs / cranes – 16% of fatal incidents. Just over half of these incidents (55%) **occurred at farms (mostly roads and fields)**.
 - Ladders and poles – 13% of fatal incidents. More than half of these incidents (57%) were at unknown locations. **27% occurred at farms (mostly fields)**, and 16% on the highway
 - Tree climbing / cutting – 4% of fatal incidents
 - Fishing – 2% of fatal incidents; and
 - Boat masts – 2% of fatal incidents.

Source: DTI Database up to 31 March 2005

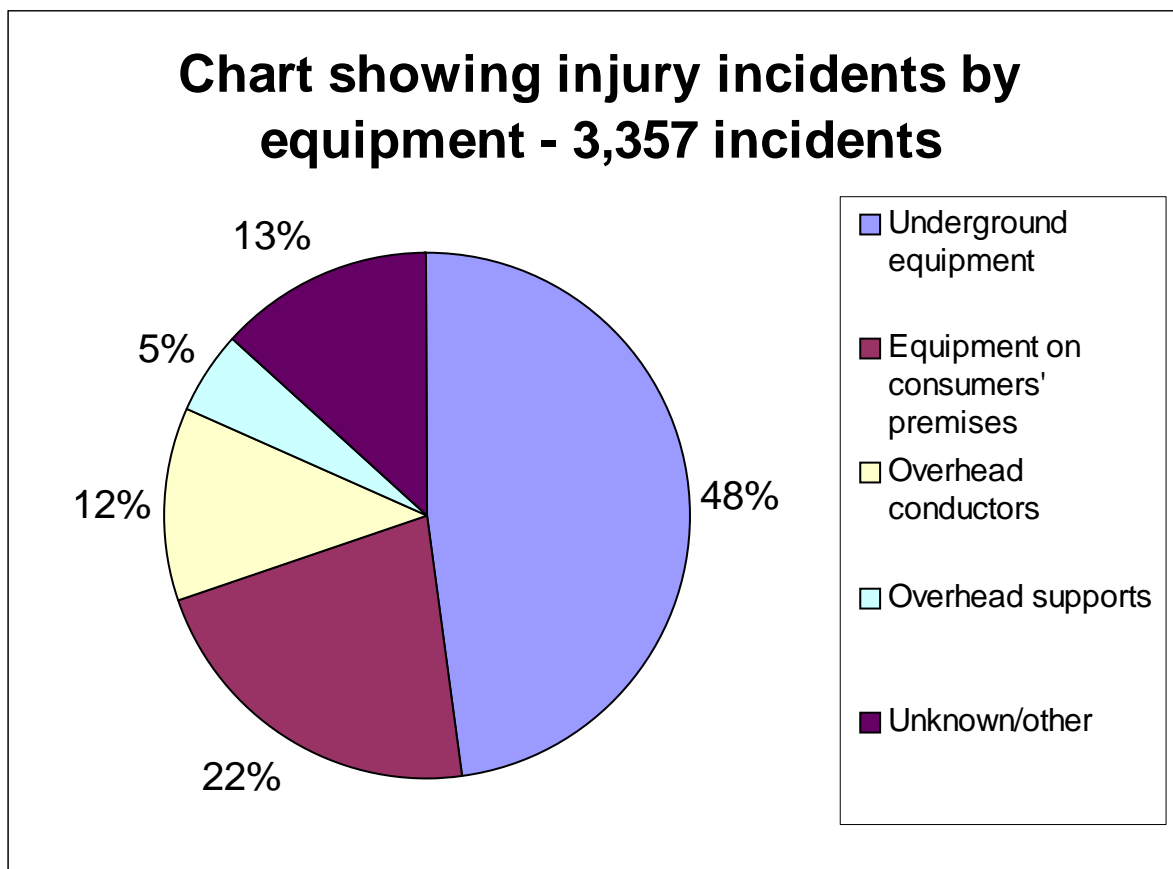
Analysis of Fatal, Injurious and Near Miss Incidents Involving the Public

- Graph showing injury incidents per annum – total 3,357



Source: DTI Database up to 31 March 2005

Analysis of Fatal, Injurious and Near Miss Incidents Involving the Public



Public Safety Strategy

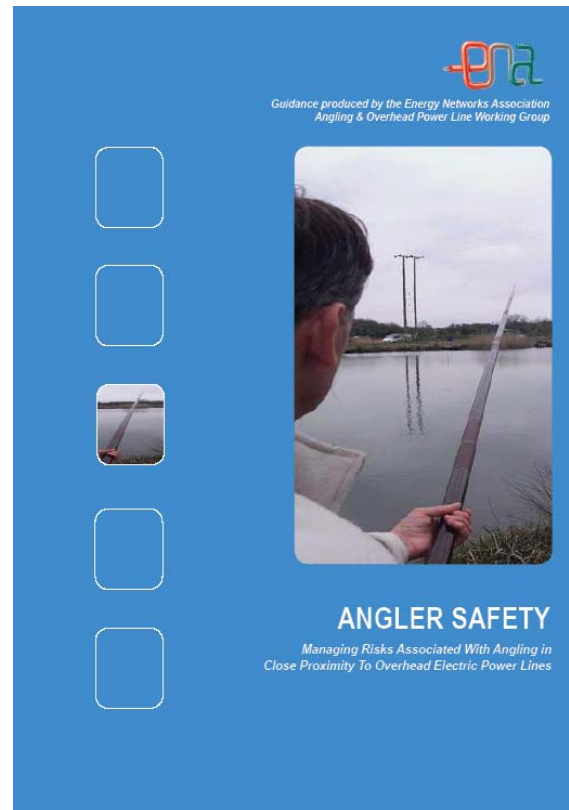
- This data analysis indicated that the areas for concern were (in order):
 - Accidental contact with overhead lines
 - Tippers and hiabs
 - Ladders and poles
 - Tree climbing / cutting
 - Fishing
 - Boating / masts
 - Road traffic accidents
 - Suicides / wilful interference
 - Aircraft / balloons
 - Damage to underground cables

National Engagement Groups

- Agriculture
- Support Services (builders, merchants, scaffolders, hiabs etc)
- Yachting
- Planning Authorities
- Avoidance of Cable Damage

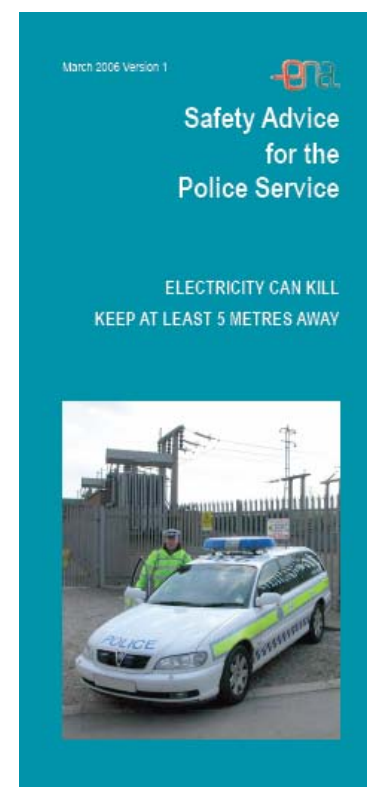
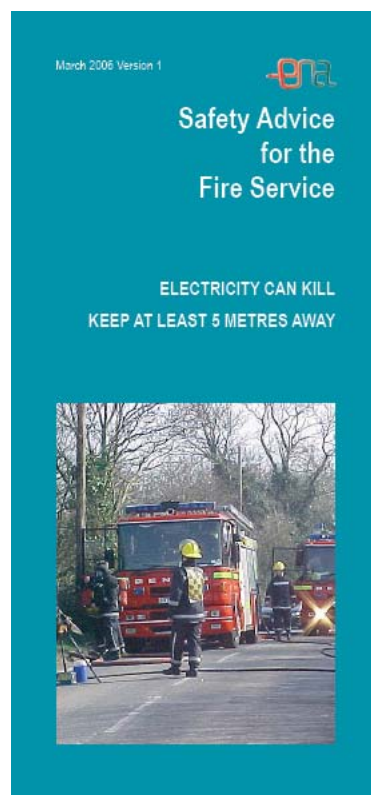
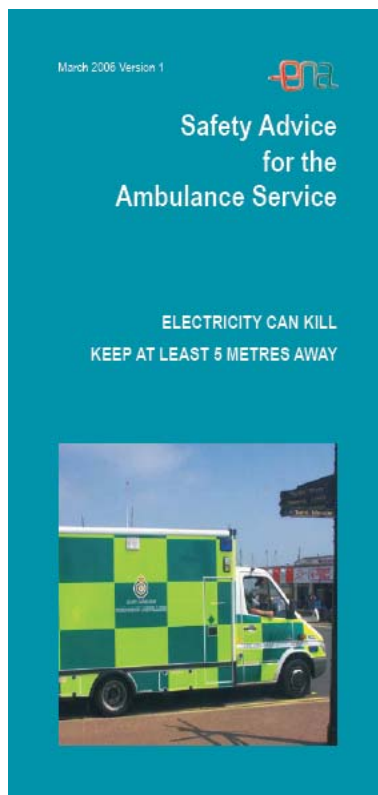
Angling & Overhead Power Line Working Group

- Guidance




Public Safety Leaflets

- Emergency Services



Public Safety Leaflets


March 2006 Version 1




Safety Information for Aviators

- Light Aircraft
- Helicopters
- Microlights
- Giders
- Hang gliders
- Paragliders
- Hot Air Balloons

Keep safe from Electricity Overhead Lines




March 2006 Version 1




Safety Information for Sailors

- Dinghies
- Yachts
- Catamarans
- Sailboards
- Kiteboards
- RIBs

Keep safe from Electricity Overhead Lines




March 2006 Version 1




Safety Information for Farmers and Agricultural Contractors

Keep safe from Electricity Overhead Lines




March 2006 Version 1



Safety Information on Caravanning and Camping

Keep safe from Electricity Overhead Lines



How Can We

- ENA Member Companies
- HSE
- Landowners
- Farming Unions
- Equipment Manufacturers etc

Work together to promote awareness of the risks in order to reduce the number of contacts with OHLs.

Suggestions for discussion:

- Guidance
- Leaflets
- Press adverts
- Meetings

- Next Steps?