‘Towards Zero Emission Ferries’

Green Week Conference 2013
Brussels 4-7 June 2013

Guy Platten—CEO
Caledonian Maritime Assets Ltd
Our Business

- 30 Ferries plus 3 under construction
- Harbour Authority with responsibilities at 24 locations;
- Property arrangements at a further 9 ports
- A range of port operating equipment across the network
- Pensions
- Caledonian MacBrayne Brand
Our Business

• Asset Management

• Income principally from ship chartering and port access

• Fully operational for 5 years now

• Small highly skilled team – ‘lean but mean’

• Infrastructure focus NOT operations

• Long term planning and sourcing funds

• Continuity and development of the asset base
Routes and Ports
The Fleet – Finlaggan May 2011
The Fleet – Loch Shira

- 36 Cars
- 250 Passengers
- 18 Knots
New Build – Stornoway Ullapool Replacement Ferry
CMAL HYBRID FERRIES
Hybrid Ferry
Other Energy Efficiency Measures

- Alternative Fuels (Biodiesel, LNG)
- Energy Saving Lighting
- Speed Control for Main Pumps and Ventilation Fans
- Optimised Hull Design
- Improved Hull Coatings
- Lightweight Construction (Aluminium and other composite materials)
- Improved Insulation Materials
- Solar Panels
- Fuel Cells (marine commercial units under development)
Hybrid Ferry
The future..............

Now
Lithium Ion Batteries
20% reduction in emissions

Future?
Fuel Cells?

Launched 17th December 2012
Ferguson Ship Builders – Port Glasgow

Zero Emissions
Thank you for your attention

Guy Platten
Guy.platten@cmassets.co.uk