



KIMO RESOLUTION 16/1

Connection of Vessels to Shore-Side Power

According to the European Sea Ports Organization's (ESPO) 2016 environmental review, air quality remains the number one issue in European ports with noise pollution the number three issue.

When using auxiliary power in port, vessels generate air pollution and noise emissions that affect the health of both the ship's crew and people working and living near the port. These affects can be significant and scientific research has shown that long-term exposure to particulate matter (PM) and nitrogen oxides (NO_x) have a significant effect on human health.

These affects can be avoided, or substantially reduced, through the connection of the vessel to shore-side electricity that is generated in compliance with strict environmental regulations.

Some areas are already tackling this issue. Most notably the state of California which has implemented stiff regulation in its 'Airborne Toxic Control Measure for Auxiliary Diesel Engines Operated on Ocean-Going Vessels at Berth in a California Port'.

EU Directive 2014/94/EU Article 4 - Electricity supply for transport - requires that "*Member States shall ensure that the need for shore-side electricity supply for inland waterway vessels and seagoing ships in maritime and inland ports is assessed in their national policy frameworks. Such shore-side electricity supply shall be installed as a priority in ports of the TEN-T Core Network, and in other ports, by 31 December 2025, unless there is no demand and the costs are disproportionate to the benefits, including environmental benefits*".

An International Standard (ISO/IEC/IEEE 80005-1:2012 - Utility connections in port) is already available for the design of connections.

KIMO believes that further action from government and new regulation is now required to realise a reduction in both air pollution and noise from auxiliary power generation from vessels whilst at berth.



KIMO urges the European Commission and Member States to introduce measures to ensure that:

- 1. The implementation of requirements of Article 4 of EU Directive 2014/94/EU concerning shore-side electricity supplies is accelerated and extended to all ports where vessels in public service berth overnight.**
- 2. New vessels entering public service are required to be equipped to connect to and use shore-side electricity supplies where they are available.**

KIMO members:

Agree to submit this Resolution to all National Governments, the European Commission and other relevant organisations.