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June 2011  
Special *Federal Yukina* release

## Fednav Group brings new greener ship to the Great Lakes

Fednav celebrates the maiden voyage of the latest and greenest newbuilding in its fleet, the MV *Federal Yukina* to the Great Lakes.

On June 9, at the Port of Hamilton, where the new ship was welcomed, a special gift-exchange ceremony took place between Hamilton Port Authority officials and Fednav executives.



## The Group believes in the long-term significance of the Great Lakes

The Fednav Group believes that there are opportunities in the Great Lakes St. Lawrence Seaway System and is therefore increasing the capacity of the fleet by investing in three new vessels to trade on the Seaway System. The *Federal Yukina* is the first of this series; the remaining two will be delivered in 2012 and 2013.

## Vital to Great Lakes trade

Fednav ships regularly bring vital raw materials to the Port of Hamilton, many of which are used by local steel manufacturers, along with commodities such as gypsum for dry wall manufacturing and fertilizers for agricultural purposes. Federal Marine Terminals (FMT) has also been a key port tenant since 1992, when it bought the facility from Seaway Terminals, keeping the Hamilton operations alive for well over 40 years, providing stevedoring and logistics services to domestic Lakers and overseas ships. FMT is the busiest general cargo terminal out of all the Canadian Great Lakes ports.

The *Federal Yukina* arrived at Federal Marine Terminals, Hamilton, carrying industrial slag from Japan. The ship, which was delayed by the Japanese earthquake and tsunami, travelled to Australia and transited the Panama Canal, to then call at New Orleans and Baltimore before reaching Hamilton. It will load coke in Hamilton destined for Mobile, Alabama.

## State-of-the-art vessel

The *Federal Yukina*, constructed at the Oshima Shipyard in Japan in 2010, was built with the latest technology, and offers a number of environmental benefits:

- The vessel is 12 percent more fuel efficient than Fednav's previous class of ships, and will save 770 tonnes of fuel per year while preventing the emission of 2,200 tonnes of carbon dioxide per year—the equivalent of planting close to 5,000 trees.
- The *Federal Yukina* and its sister ships are equipped with Tier II engines, which reduce nitrogen oxide (NOx) emissions that contribute to acid rain formation and global warming. Fednav committed to the installation of these types of engines a full two years before international regulations for new ships are mandatory.
- The design incorporates more powerful ballast pumps and enough space to enable the installation of ballast water treatment equipment. This equipment, which will be installed once the U.S. Coast Guard sets the standard and type approval of equipment for the cold water of the Great Lakes, will further reduce the risk of introducing invasive species. To help facilitate this process, Fednav will be testing a new ballast water treatment system on one of its vessels in the Great Lakes this year.

### Facts and stats of the MV *Federal Yukina*

**Length:** 200 metres | **Height:** 37.3 metres | **Beam:** 23.76 metres

**Carrying capacity:** 22,700 tonnes (Lakes) to 35,300 tonnes (at full draft)

**Flagged:** Hong Kong

**Built:** Oshima Shipyard, Japan

**Delivered:** October 2010

**Number of crew:** 22

**Captain:** Sikander Mushtaqali Kazi

**Chief Engineer:** John Rajaseharan

