

Pylons NB POWER– L&A Metalworks – St-John, NB, CANADA

L&A METALWORKS Inc., with Head Office in Fredericton, New Brunswick, Canada, only 100 km (60 miles) from the US/Canadian border, provides quality fabrications in steel, stainless steel and aluminium to industries worldwide. They supply industries with a very high level of service and quality. Their actual President is **Mr. Harry G. EVANS**.

In **1998 L&A METALWORKS** made some utility poles for the Provincial utility company **NB POWER**.

The customer specification called for hot dip galvanizing (HDG). However, the 6 ft. diameter poles presented some logistic and cost problems. The option of using **ZINGA** for the interior and exterior of the poles was presented to the customer and approved only for the larger bottom sections.



The base sections of the poles, with a **ZINGA** stand-alone system, were transported from **L&A METALWORKS** to be installed next to the Irving Refinery of Saint John, New Brunswick, which is next to the Bay of Fundy.

The aggressivity of the environment there is C5-Very High (acc. ISO 12944-6) as this location has very severe weather conditions (from -20°C to +25°C), acidic due to the Irving Oil Refinery and very salty as it is on the Bay of Fundy.

On the left picture you see the poles installed at their final site.

You clearly see the difference between the base sections with the **ZINGA** system and the HDG (hot-dipped) sections on top of the poles.

System:

Surface preparation: Sandblasting to SA 2.5
ZINGA 2 x 75 µm DFT

On 10 February 2021, which is **about 24 years after the original ZINGA application**, we received an email from **Mr. Mike LEGERE** of **L&A METALWORKS Inc.** which we quote here:
“We thought it worth reaching out to you to share some photos of some utility poles that were made by L&A Metalworks more than 20-years ago for our provincial utility, NB Power.

Customer specifications called for hot-dipped galvanizing (HDG); however, the 6 ft. diameters at the base of the tubulars presented some logistics and cost implications for HDG in our region. The nearest HDG facility to handle these sections was located in Ontario, approx. 1,600 km's away. The option of using Zinga was presented to the customer and approved only for the larger bottom sections, which they are likely regretting now. These poles are continually exposed to severe weather, salty & acidic condition, installed near the Irving refinery in Saint John, NB and situated on the Bay of Fundy.

The attached photos perfectly demonstrate the longevity of Zinga vs. HDG.”



The attached photographs clearly demonstrate the extreme levels of protection of **ZINGA** over very protracted periods of time in highly aggressive ambient conditions.