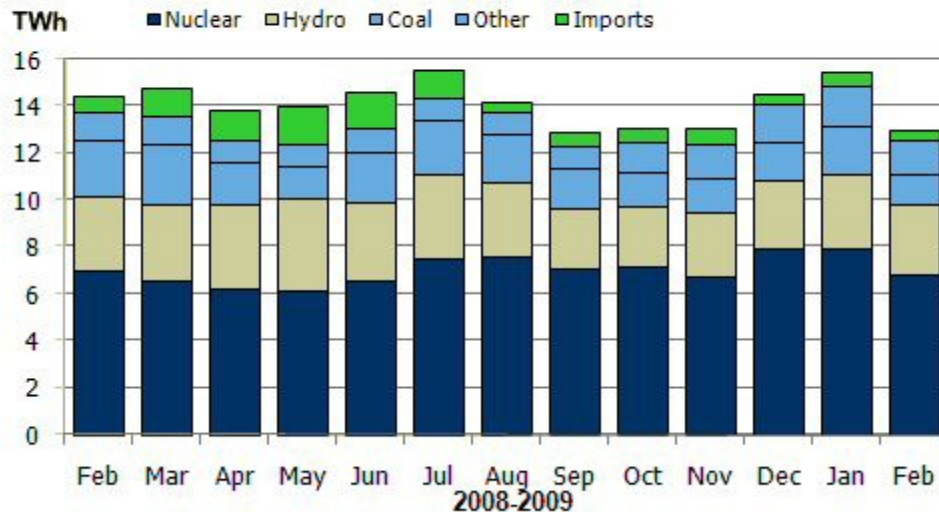


Power Generation is NOT the Culprit in Ontario

Energy Supply By Fuel Type



The above graph shows a one year (08/09) electricity supply pattern for Ontario (data from IESO). As you would expect, the numbers for the peaking needs (met by coal, natural gas and imports) jump around quite a bit but the figure of 19% for the fossil fuel share appears to be about right.

The 2007 figures for energy demand in Ontario are provided in the following reference (Stats. Can. data), showing that 18.8% of the energy demand in Ontario is met by electricity.

http://dsp-psd.pwgsc.gc.ca/collection_2009/statcan/57-003-X/57-003-x2007000-eng.pdf

The upshot is that only 3.6% of our energy demand is met by electricity (19% of 19.8%), in dramatic contrast with the widespread assumption that energy and electricity are virtually synonymous.

In recent years the energy source for that portion of the power generation has primarily been coal, using inadequate technology for scrubbing the emissions, with the result that the GHG emissions have been greater than 3.6% of the total emissions, but the amount has been variable. The current intent in Ontario is to replace the coal-fired plants with gas-fired plants so this source of GHG will continue to change even though the fossil-fueled contribution to the energy supply will remain stable, or may even increase.