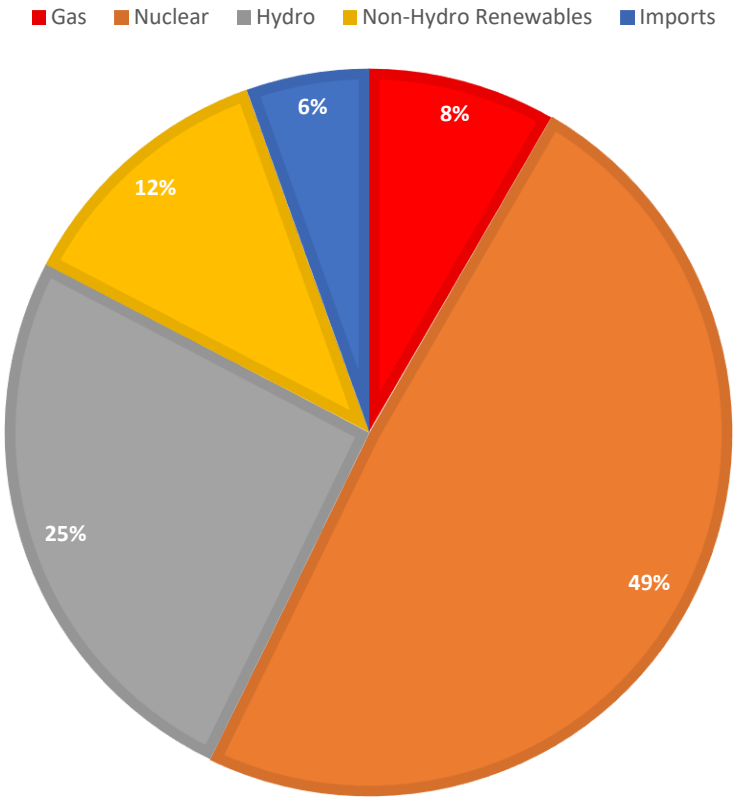
ONTARIO GRID EMISSIONS

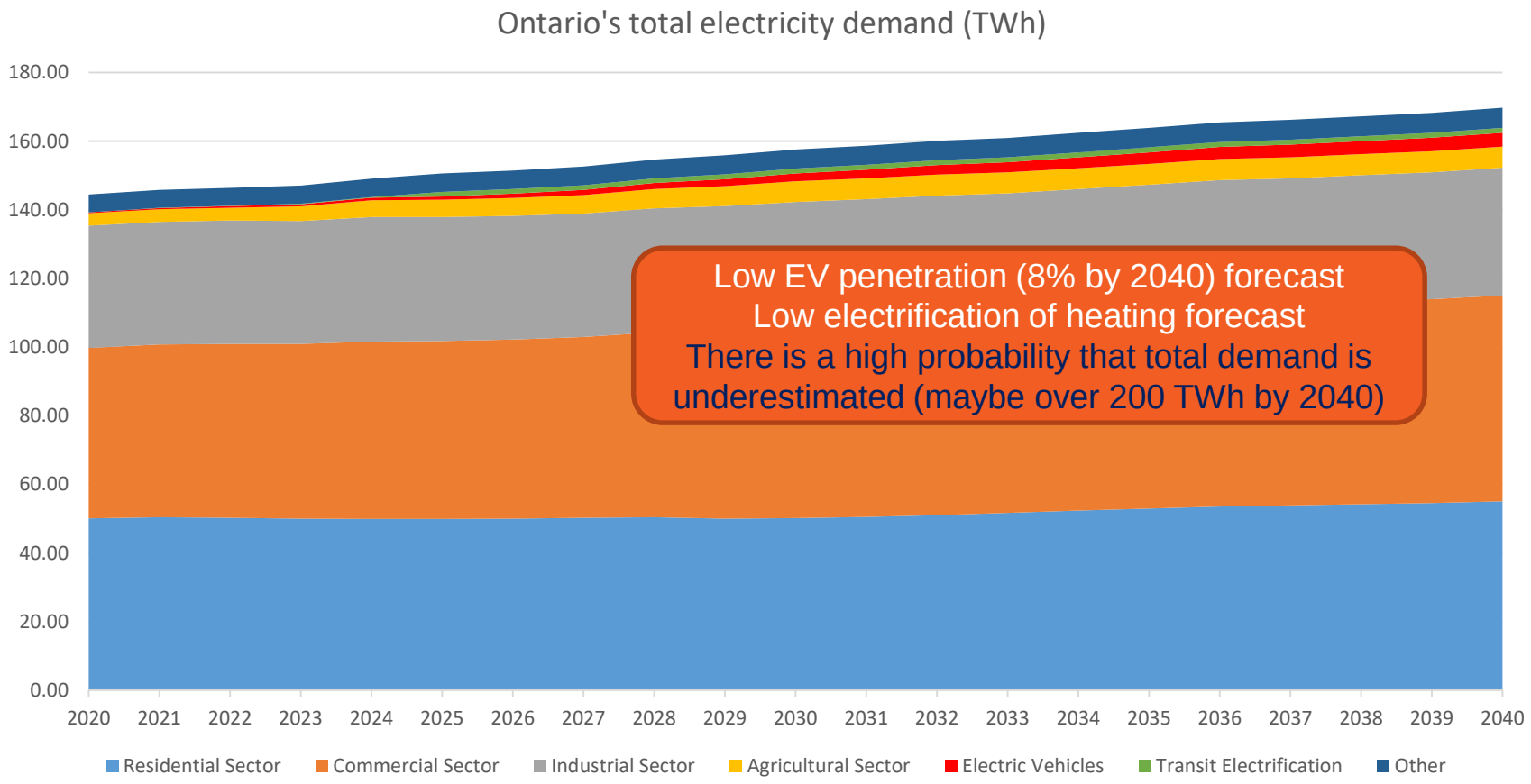
After the coal phase-out, more than 90% of Ontario's grid became carbon free.

In 2020, 8% of electricity is expected to come from NG

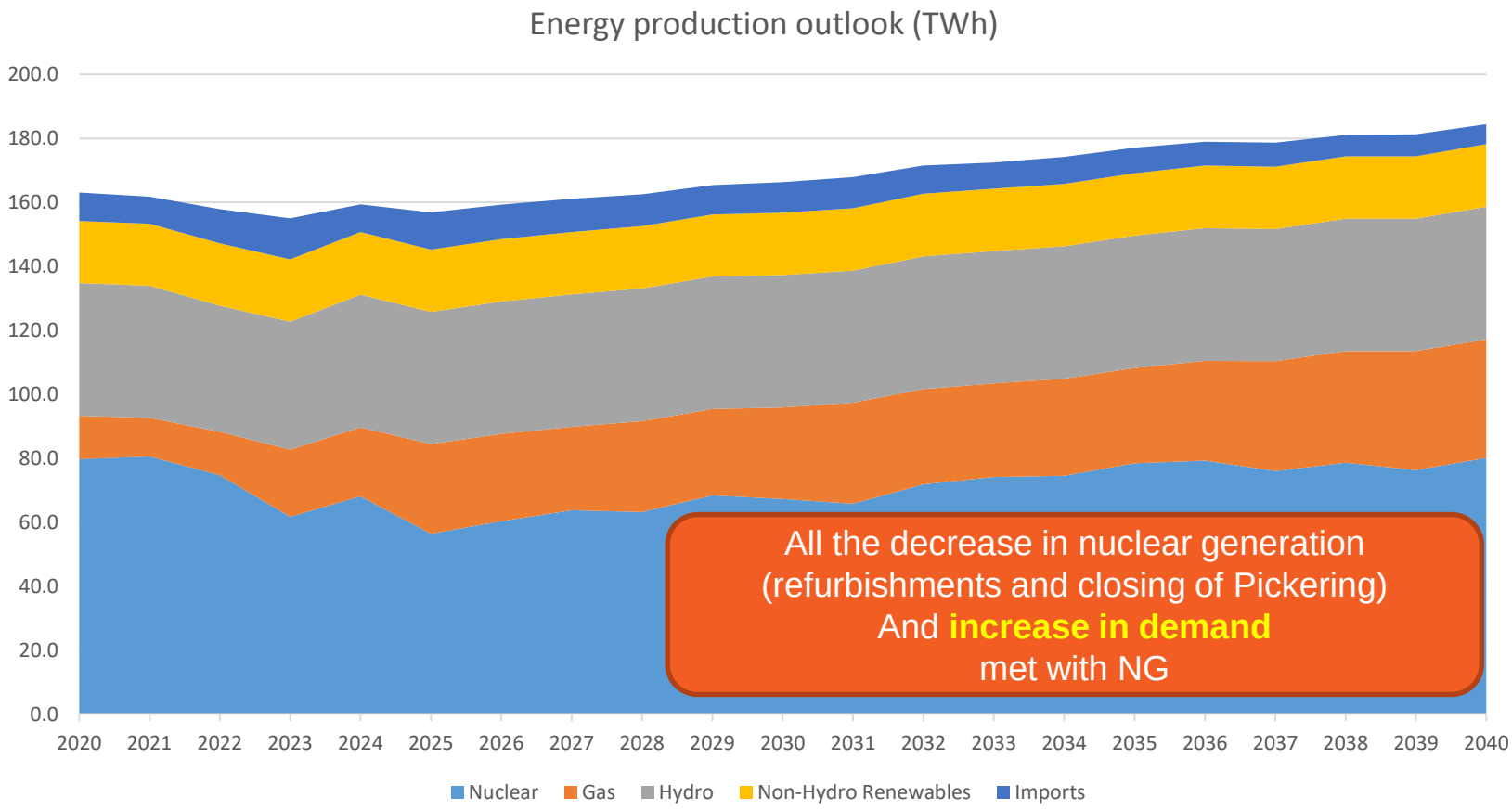
In 2040, **20%** of electricity is expected to come from NG



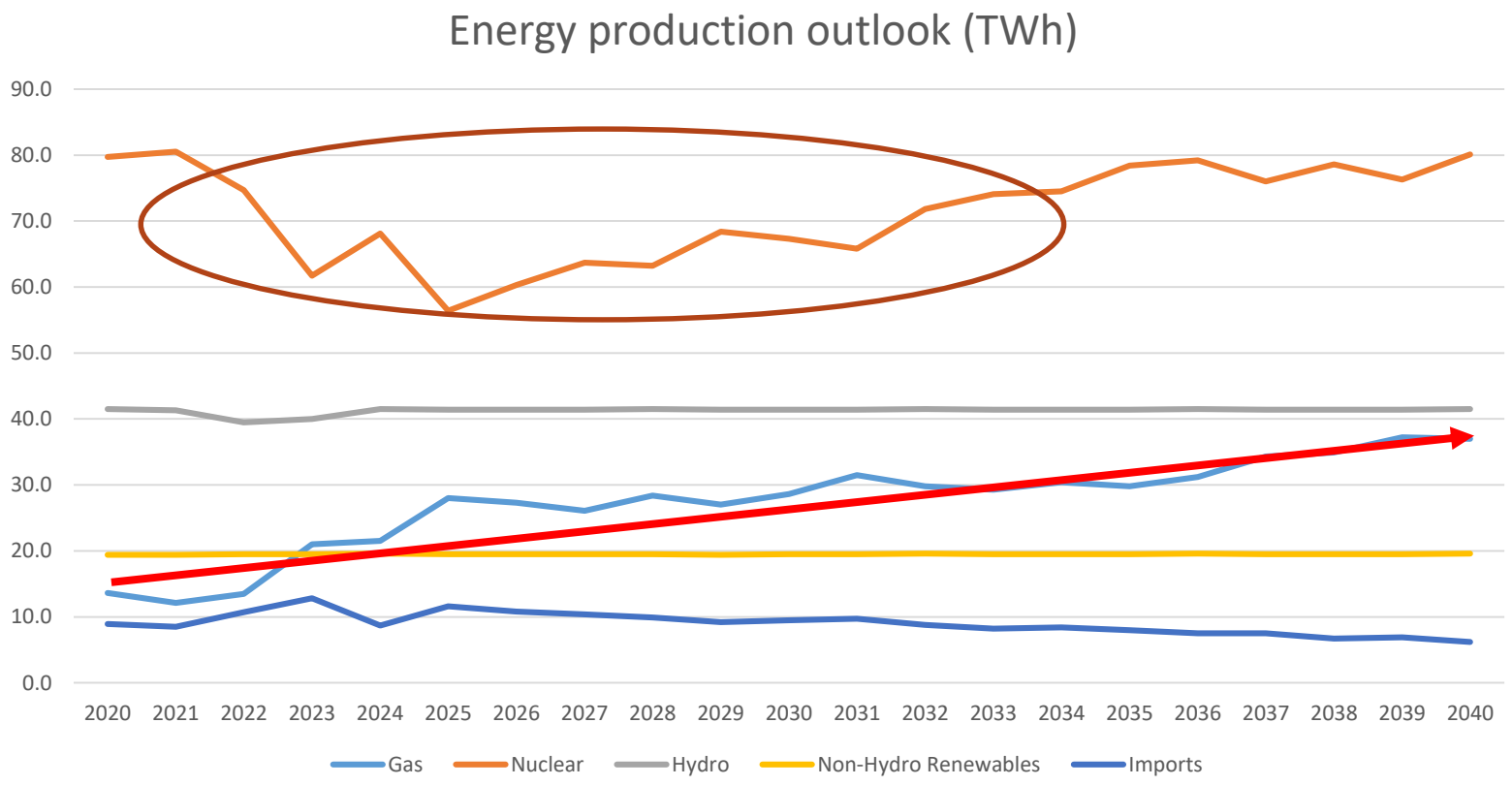
IESO EMISSIONS FORECAST (APO 2020)



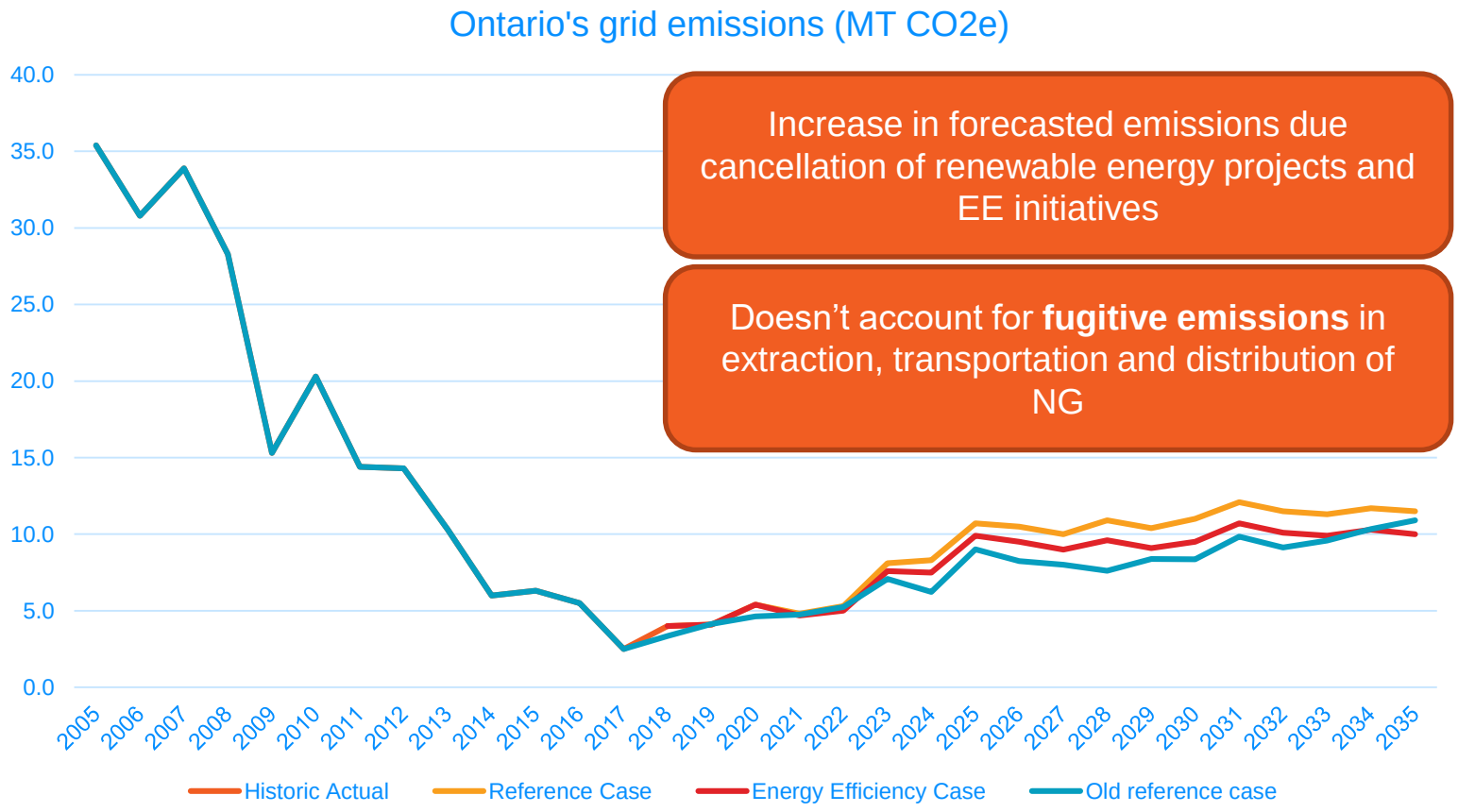
IESO EMISSIONS FORECAST (APO 2020)



IESO EMISSIONS FORECAST (APO 2020)



IESO EMISSIONS FORECAST (APO 2020)



Increase in forecasted emissions due cancellation of renewable energy projects and EE initiatives

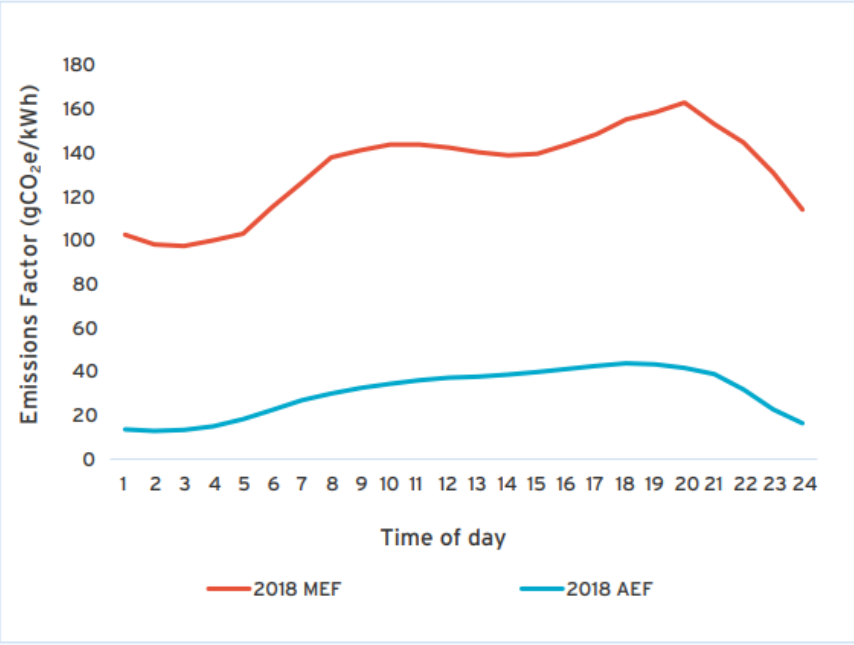
Doesn't account for **fugitive emissions** in extraction, transportation and distribution of NG

MARGINAL EMISSIONS

Natural Gas supplies a small share of electricity in Ontario, but it is disproportionately likely to be the generating resource that responds to changes in demand:

Daily changes: Natural gas is the most expensive resource, so a marginal increase or reduction in demand is going to come from natural gas - especially during peak hours.

Long-term structural changes: Current provincial strategy to meet additional demand with NG generation.



MARGINAL EMISSIONS

More info and Emissions Factors: Electricity emissions factors and guidelines

The impact of intervention, both increasing or reducing demand, is higher than what average emissions factors lead to know.

That's the case **Energy Efficiency** initiatives or **renewable energy projects**.