



THE FUTURE OF ONTARIO'S ELECTRICITY DEMAND

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Ontario's Population 	1. What was the population of Ontario in 2024? (Use the Population Growth graph.) 2. What is the predicted population of Ontario by 2047?
Agriculture 	Why does growing food in Ontario require electricity?
Industrial & Technological Developments 	1. Identify two uses of computational power that require a substantial amount of electricity. 2. How much more energy does the average AI query use compared to a standard search engine?
Electrification 	What does electrification mean? Transportation: Gasoline burning cars, trucks and buses are being replaced by _____. Home heating: Natural gas furnaces can be replaced with an electric _____. Industrial processes: Steel manufacturing is starting to convert fossil fuel blast furnaces to what type of furnace?

The expected electricity demand in 2050
is a _____ % increase from 2025.