

# Project Information Sheet



## Project Details

<b>Maximum Contract Capacity:</b>	405 MW
<b>Fuel Type:</b>	Natural Gas
<b>Location:</b>	Greater Napanee
<b>Status:</b>	In Development

The Independent Electricity System Operator (IESO) forecasts that an additional 4,000 megawatts (MW) of electricity generation is needed by the end of the decade to meet Ontario's increasing demand and to maintain the system's reliability. As a result, the IESO is looking for additional generation resources that can be online between 2026-28 through its Long-Term 1 (LTI) procurement process.

Atura Power is expanding its Napanee Generating Station (NGS) in response, by adding a hydrogen-ready, simple cycle combustion gas turbine that can provide a maximum contract capacity of 405 MW of electricity to

Ontario's grid to meet peak demand starting in 2028. The NGS Expansion project received an IESO LTI contract award on May 9, 2024.

Atura Power started an Environmental Review for the NGS Expansion according to Ontario Regulation 50/24: Part II.3 Projects.

## About Atura Power

Atura Power is a diversified energy company that plays a vital role supplying and balancing Ontario's electricity system. Our fleet of combined-cycle gas turbine powerplants help meet peak demand to ensure Ontarians get electricity when they need it. We are also establishing the province's low-carbon hydrogen economy and developing an energy storage system to help Ontario move towards a low-carbon energy future.

For more information about the project, visit [aturapower.com/napaneeexpansion](https://aturapower.com/napaneeexpansion) or email [napaneeexpansion@aturapower.com](mailto:napaneeexpansion@aturapower.com).

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## Ontario’s Electricity System Transition

Ontario is taking the first steps in the transition to a net-zero economy by 2050. Increased electricity consumption is driving a need for new generation resources within the next few years. Longer term electricity plans involve major investments in nuclear, hydroelectric, wind and solar generation to increase the amount of clean electricity supply.

## Key Features & Benefits of Natural Gas

- Natural gas generation provides **reliable, all-weather electricity**, whereas solar and wind resources provide intermittent, weather-dependent electricity. The electricity system is periodically at risk of blackouts during severe weather events and when wind and solar generation are unavailable.
- Sixty per cent of blackouts last six hours or more and **natural gas generation is the only available resource that can reliably provide peak-demand electricity for extended periods during these events.**
- **Natural gas is needed to ensure that the electricity system stays reliable and affordable** while Ontario brings more non-emitting technologies onto the grid.
- **Natural gas generation is also unique in its flexibility** as it can be switched on and off quickly and can respond to sudden changes in demand (electrical demand can change by 33 per cent throughout the day).

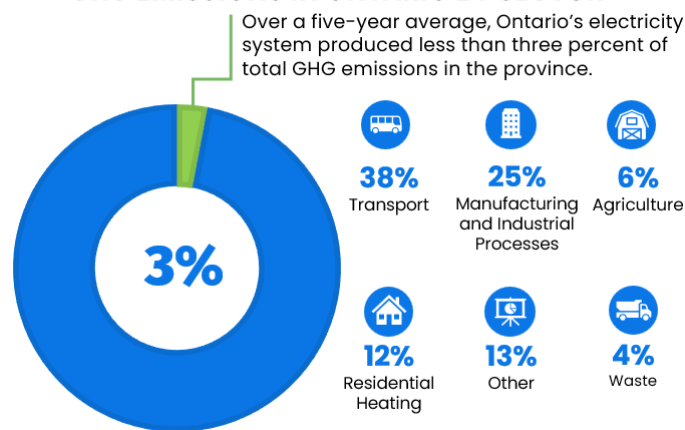
## Achieving a Net-Zero Economy: The Role of Natural Gas in Ontario’s Decarbonization

Electricity generation contributes only three per cent of Ontario’s total greenhouse gas (GHG) emissions.

Heavy GHG producing sectors, such as transportation and manufacturing, can be decarbonized to reduce overall GHG emissions by switching to electricity. However, additional electricity resources are needed.

The NGS Expansion will become part of the **solution** to meet the increased electricity demand needed for the broader **decarbonization** of our economy.

### GHG EMISSIONS IN ONTARIO BY SECTOR\*



\*Percentages have been rounded and as a result will not add to 100