



No Expansion Needed

Why Halton Hills Council should vote “NO”

**Defending clean water, a safe climate,
and healthy communities.**



environmental
defence

Ontario's Distributed Energy Resources (DER) Potential Study

Volume I: Results & Recommendations

September 28, 2022

Prepared for:



Results

The economic potential results indicate there is ample cost-effective DER capacity to meet or exceed all incremental system needs under all scenarios. The achievable potential results reveal that, when factoring in real-world conditions, DERs are able to satisfy a material portion of the province's energy needs – from 1.3 to 4.3 GW of peak summer demand by 2032.

“This finding reinforces the significant value solar generation can provide in helping to avoid high-priced electricity that would otherwise be satisfied by gas generation.”

“The study shows a dramatic rise in lifetime benefits under the Accelerated scenario, indicating over \$290B in net benefits stemming from all cost-effective DERs”



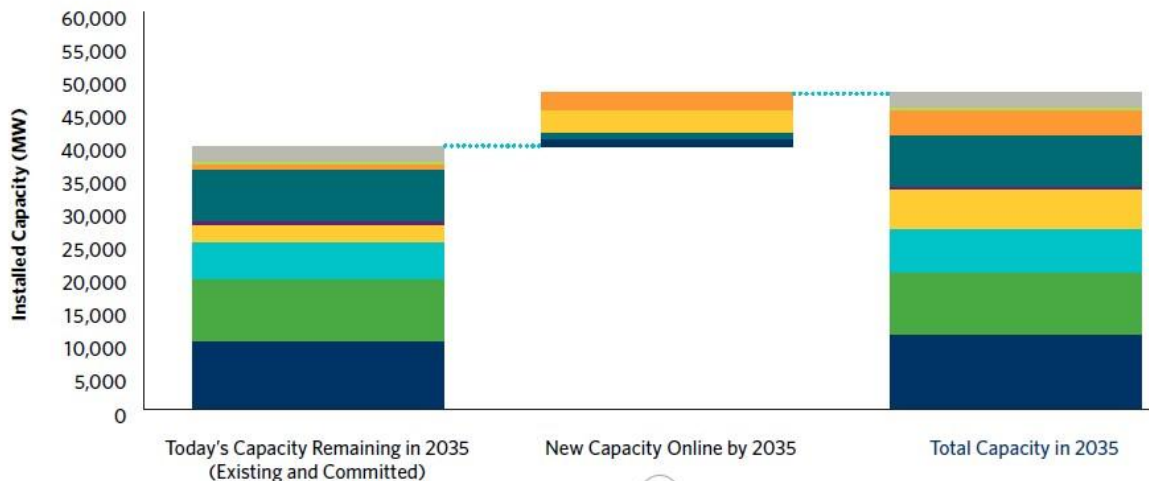


Pathways to Decarbonization

A report to the Minister of Energy to evaluate a moratorium on new natural gas generation in Ontario and to develop a pathway to zero emissions in the electricity sector.

DECEMBER 15, 2022

Figure 5 | Moratorium Scenario - Installed Capacity in 2035

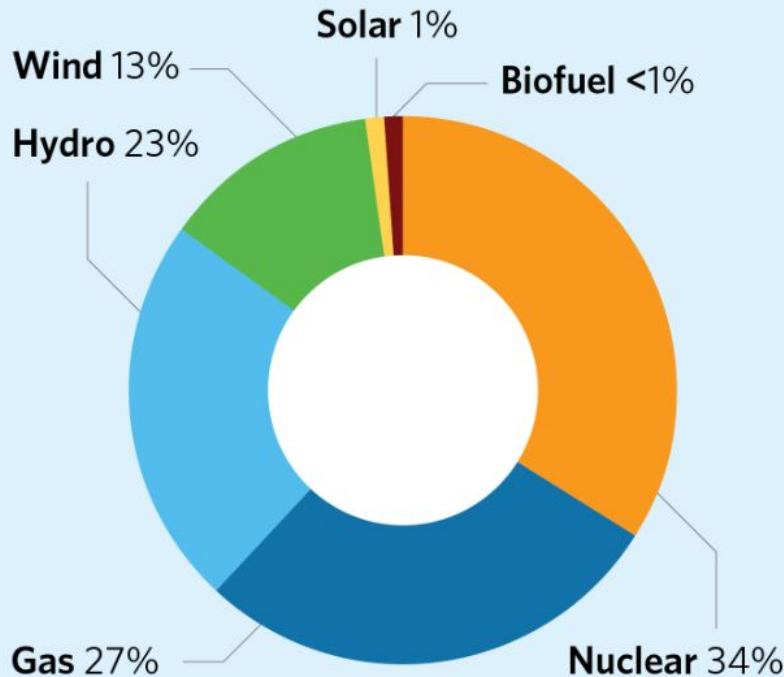


	Today's Capacity Remaining in 2035 (Existing and Committed)	New Capacity Online by 2035	Total Capacity in 2035
Storage	2,507	0	2,507
Imports	331	0	331
Demand Response	808	2,885	3,693
Natural Gas	7,840	0	7,840
Bioenergy	415	0	415
Solar	2,668	3,400	6,068
Wind	5,533	900	6,433
Hydroelectric	9,348	0	9,348
Nuclear	10,248	1,000	11,248
Total MW	39,697	8,185	47,882



Transmission-Connected Capacity

This is the capacity of resources that are connected directly to the high-voltage provincial grid, which is controlled by the IESO. Typically, these are industrial-scale power plants and wind and solar farms that can produce large amounts of electricity. Transmission-connected resources are the backbone of Ontario's electricity system and they supply most of the province's energy needs.



Nuclear	13,144 MW or 34%
Gas/Oil	10,470 MW or 27%
Hydro	8,922 MW or 23%
Wind	4,883 MW or 13%
Solar	478 MW or 1%
Biofuel	296 MW or <1%





NEWS

Ottawa

Napanee council supports gas plant expansion despite emission concerns

Ontario Power Generation subsidiary pledged up to \$4.8M toward community benefit fund over 12 years

TORONTO STAR

‘The world is on fire and the last thing we should do is build gas plants’: OPG offers Napanee \$4.8 million to host plant

Ontario’s new gas plants will cost more than wind and solar, report says. So why are we building them?



Halton Hills Residents

Postal Code	Number of Signatures
L0P	13
L7G	121
L7J	14
L3P	1
L4H	1
L5V	1
L6J	1
L6Y	2

L7C	1
L9T	3
M1R	1
M9N	1
N0B	2
N1H	1
N1M	1
Grand Total	164



QUESTIONS?

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Visit

www.nomoregasplants.ca

