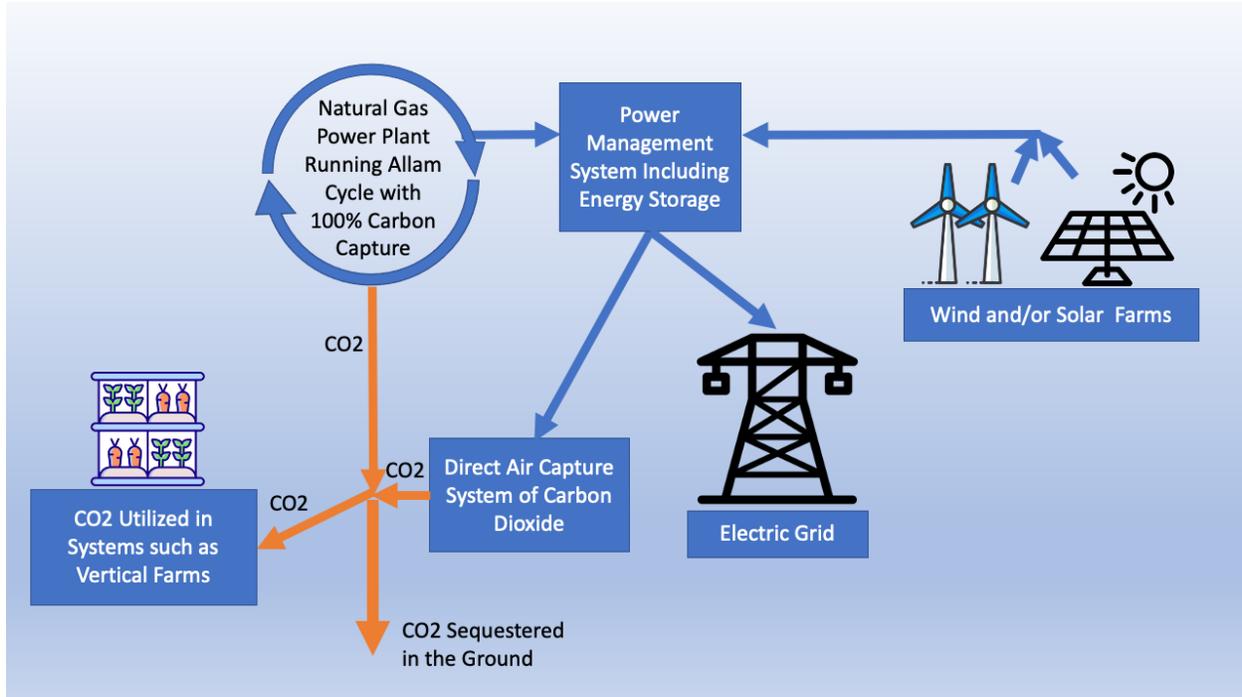


Opportunity for Rapid Large-Scale Carbon Emissions Mitigation

A solution that can be scaled globally

Shown below is an example combined power and carbon capture system that provides reliable power to an electrical grid and negative carbon emissions:



This combined system, which includes an Allam cycle power plant, renewable energy farms, [direct air capture \(DAC\)](#) and [vertical farms](#) will provide the following benefits:

- Provides reliable power to an electrical grid even when wind and/or solar farms are not generating power.
- Generates negative carbon emissions.
- Helps workers, companies and governments that depend on income from fossil fuels to transition to a low-carbon economy.
- Helps build political support to transition to a low carbon economy.
- Helps build an industry that utilizes CO2 for productive uses including vertical farming, which supports food security.

Recent related announcement:

- [Kanata Clean Power & Climate Technologies Corp \(“Kanata”\)](#) and [Frog Lake First Nation](#) recently announced their plans to build a 300 MW power plant. Frog Lake First Nation is a Cree-speaking Treaty 6 Nation in Alberta. For more info, visit: [CBC News Article](#).

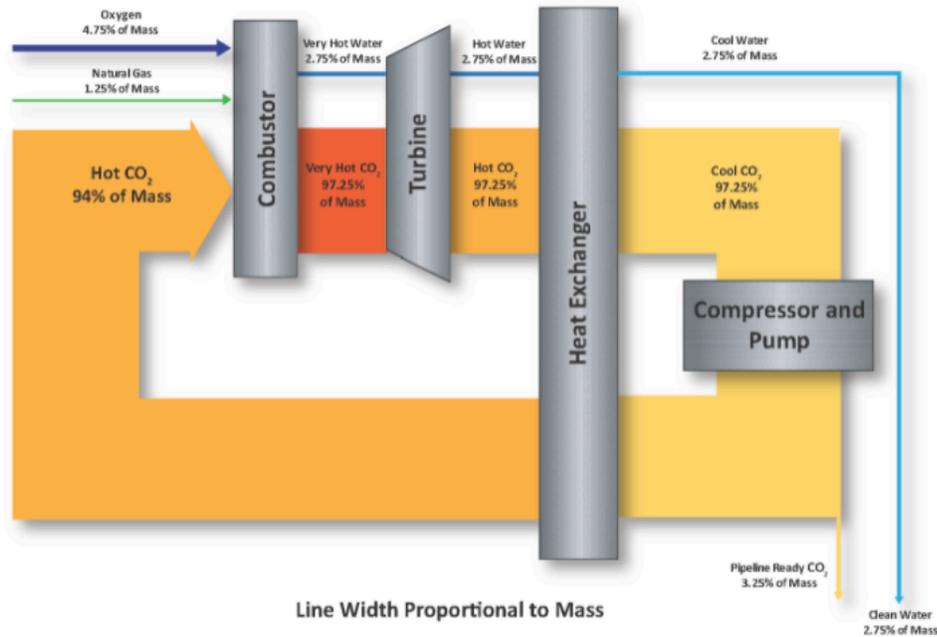
Special opportunity for Ontario:

- Generate low-cost reliable power with NO carbon emissions when Pickering nuclear plant is retired.
- Kanata is interested to implement similar projects in Ontario as they are doing in Alberta.

For more information, visit ClimateSAN.org/CEM

Shown below is an illustration of the breakthrough technology called [Allam Cycle](#), which enables power generation fueled by natural gas with 100% carbon capture:

Illustration of the Allam Cycle



The Allam Cycle technology is owned by [NET Power](#), which is a licensing company. NET Power is owned by [Exelon Corporation](#), [McDermott International](#), [Occidental Petroleum Corporation](#), and [8 Rivers Capital](#).

[Climate Solutions Advancement Network \(ClimateSAN\)](#) is a project of Think Renewables Group and is focused on increasing investment in solutions that adapt or mitigate climate change (Climate Solutions) as well as creating awareness on the need for very large-scale action on climate change.

 by Paul Stevers
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