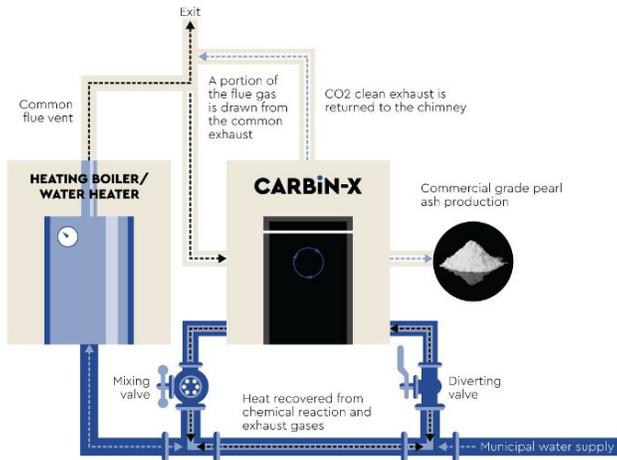


CleanO2 Carbon Capture Technologies has introduced a revolutionary new technology to help building owners green their buildings and generate ongoing revenue. Introducing CarbinX™ – a commercial carbon capture and conversion system designed for multi-residential, institutional, and commercial buildings.

CarbinX™ collects CO2 from heating appliance flue gas that would otherwise be vented to atmosphere and runs it through a specially designed reaction chamber where it reacts with a hydroxide to form a by-product, (typically potassium carbonate, also called “Pearl Ash”). The CO2 binds with the hydroxide molecules and is permanently captured in the Pearl Ash by-product, avoiding unnecessary release to atmosphere.

How CarbinX™ works



- A portion of the heating appliance flue gas is diverted to the CarbinX™ unit
- The CO2 in the flue gas reacts with the hydroxide in the reaction chamber and converts the CO2 and hydroxide into Pearl Ash, a useful chemical by-product
- Cold municipal water for the heating appliance is diverted through the CarbinX™ unit, where it is pre-heated using a combination of the heat from the exothermic chemical reaction and the captured heat from the heating appliance flue gas
- The pre-heated water is then run into the heating appliance, reducing the amount of fuel consumed to heat the water since it enters warmer and requires less fuel/time to heat
- The Pearl Ash is collected approximately every 2 weeks and replaced with fresh hydroxide
- The produced Pearl Ash is used to make soap and detergent products, which are either sold to consumers or back to the building (at a discount) for its washrooms and janitorial needs
- The revenues from the soap and detergent sales are shared with the building owners, returning the owner's investment in approx. 4-6 years, (depending upon the volume of CO2 production from the heating appliances), and generating ongoing revenue thereafter.

Buyer's Investment Payback Analysis

Description	Low Emissions	AVG Emissions	High Emissions
Hydroxide Chemical Input (kg/month)	220 kg	275 kg	400 kg
Carbonate Chemical Output (kg/month)	270 kg	338 kg	492 kg
Annual Fuel Savings	\$938	\$1,156	\$1,360
Annual Preventative Maintenance Savings**	\$1,500	\$1,500	\$1,500
Rebate from By-Product Sales	\$3,897	\$4,870	\$7,084
Annual Savings and Rebate	\$6,335	\$7,526	\$9,944
CarbinX Unit Cost CAD\$	\$25,000	\$25,000	\$25,000
Est. Installation & Transport Cost*	\$12,000	\$12,000	\$12,000
Total Cost	\$37,000	\$37,000	\$37,000
Annual Reduced Emissions (tonnes) from CO2 capture and recycled waste heat	6.7	7.1	7.8
Expected Payback Period (Years)	5.8	4.9	3.7
Expected Equipment Life - 20 years			
Annual Revenue & Savings after Payout	\$6,335	\$7,526	\$9,944

* Installation & Transportation Cost will depend on building, jurisdiction and distance from Calgary, Alberta

** Annual Preventative Maintenance Savings are based on less than \$100.00/month. The CleanO2 technician conducts a semi-monthly visual preventative maintenance checklist inspection to identify existing or potential problems

• Low/Average/High Emission Scenarios are based on a study conducted by the University of British Columbia and are dependant upon the use intensity of the heating appliances and output of carbon dioxide

Benefits to Building Owners

- **Reduced Heating Costs:** CarbinX™ reduces gas consumption by approximately 20% by using waste heat from flue gas and the exothermic reaction (depending on current boiler efficiency/energy consumption)
- **Reduction of Carbon emissions:** up to 20%
- **Ongoing Revenue Stream:** Revenues from the sale of by-product (currently at \$1.20/kg produced) are shared with the building owner for the life of the unit, creating an ongoing revenue stream after payout.
- **Free Preventative Maintenance:** Regular preventative checklist inspection by CleanO2's technician as part of our CarbinX™ monitoring/servicing can identify existing or potential problems before they become severe and expensive.