



# PRESLAND NET-ZERO PRE-FABRICATED EXTERIOR ENERGY RETROFIT

BY OTTAWA COMMUNITY HOUSING

## ABOUT THIS PROJECT

In collaboration with [Natural Resource Canada's Green Infrastructure Program](#), Ottawa Community Housing (OCH) brought a four unit block of two storey townhomes built in the 1960's to net-zero energy and net-zero greenhouse gas emissions while the tenants remained in place through a deep energy retrofit.



## HOW IT WORKS

Net-zero energy was achieved by installing 24 insulated and air tight 20x9 foot panels, creating a new high performance exterior building envelope. All natural gas equipment was removed and replaced with a high performance heat pump furnace, domestic hot water tanks, and heat recovery ventilators.



With the new mechanical system and building envelope greatly reducing the energy requirements of the building, 34.8kW of solar panels were installed on the roof, which is expected to generate as much energy as the building consumes each year.



## IMPACT

Creating net-zero energy and net-zero greenhouse gas emissions buildings improves the affordability of the units as energy savings can be used to help repay the capital investments and operational expenses.

Green energy helps:



Eliminate greenhouse gases



Renew the stock in need of repair



Improve tenant comfort in their home

## ABOUT OTTAWA COMMUNITY HOUSING

OCH provides approximately 15,000 homes to about 32,000 tenants, including seniors, parents, children, couples, singles and persons with special needs, within many communities across the City of Ottawa.

[www.och-lco.ca](http://www.och-lco.ca)

To learn more about the [Presland Net-Zero Pre-fabricated Exterior Energy Retrofit](#) program, contact Daniel Dicaire at [daniel\\_dicaire@och.ca](mailto:daniel_dicaire@och.ca)



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