

**CHANGE
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CLIMATE**

Edmonton



Butterwick



Eco-Solar Home Tour 2020

Sunday 7 June, Noon to 4:30 pm

Sea Can Garden Suites

Tour Day: Sunday 7 June

Address:

Hosts: CNTNR

Parking: Parking lot beside the yard of CNTNR's manufacturing facility

Energuide Rating:



Summary points why people need to see your home

- Shipping container design/steel building envelope
- Container construction is a superior method of building that is gaining in popularity due to its dramatic benefits over the current conventional construction model

What will people see and learn about at your home?

- Sea-can envelope that is mould resistant, fire resistant, extreme weather resistant up to hurricane category 3 winds
- HRV, triple glazed windows,
- Energy efficient fixtures
- Airtight building envelope

What are the main things people will see at your home?

- Well-designed garden/garage suites that maximize the living space constraints that are dictated by current Edmonton garden/garage suite restrictions.

Are there main items that they can't see?

- The sea-cans have been "outsulated" with sprayfoam that was sprayed on the outside of the cans. As it does not eat into the square footage of the interior, this increases the amount of living space within the suites.





Eco-Solar Home Tour 2020

Sea Can Garden Suite

Why is this home on the tour?

These garden suite models are on the tour to show you how far real estate sea-can tech has progressed in the last half decade. Step into one of them, and you would never guess that it was built out of shipping containers unless you were told. With modern designs and sleek interior/exterior finishes, these suites were built using upcycled sea-cans that were prefabricated in a factory—typically before the need for all building and development permits to be approved, and at the same time as the site is being prepared. This compresses the construction timeline, reduces labour costs, and produces a structurally superior product that is 30% more energy efficient than a traditional wood frame home.



What features save on energy costs?

- Airtight envelope (steel sea-cans and sprayfoam insulation)
- Triple glazed windows
- HRV

What features save on water costs?

- Low flow rated fixtures

Other special features

- Container-based construction saves trees from being cut down, reduces construction waste via the use of standardized building blocks, and results in the recycling of a robust material that would otherwise be left unused.

