



An Audacious Proposal

Background

- The City of Calgary (CofC) actively promotes backyard suites (ADUs).
- Calgary Housing Company (CHC) owns or operates over 900 residences with backyards.
- CofC manages Development and Building Permits.
- CHC qualifies, with the right projects, for financial assistance from CMHC Rapid Housing Initiative and Housing Innovation Fund.
- Alberta Innovates will provide financial assistance to innovations in housing construction.
- 3DPHC – 3D Printed Homes Corporation (3DPHC) has set as its Mission “To reduce the cost of housing by using advanced technology and materials.” and its Vision as “To see every family living in a home that is affordable and meets their needs.”

The Pitch

CofC, CHC, and 3DPHC collaborate to design a program to build an ADU on every CHC managed lot that has space to accept one. Our first pass suggests 900 locations. Any lots that are privately owned but CHC managed should be offered a free ADU, with conditions, of course.

All three entities will apply for grants from all likely funding agencies, with letters of support from CAEH, CHRA, and with luck, the mayors of several major Canadian cities, Federal and Provincial Ministers, and other housing advocates.

Together we will design and engineer two or three standard units to fit the available spaces and the needs of CHC.

Planning, design, and financing will be decided through the winter months with construction to start as soon as weather allows in 2024 with a target of May 1.

Challenges

The project is ambitious to the point of audacious. There will be skeptics. It will be difficult.

900 units in 120 days will take military-grade logistics. (We have that.)

There may be some up-front costs before the project gets grant funding.

Upside

This would be a true public-private partnership.

We add 900 suites to CHC affordable rental stock with zero real estate cost and heavy subsidies from Ottawa.

NIMBYs should not be able to impede us.

This would be the largest 3D Printed housing project in the world. We will make international headlines.

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