



HUNDRED YEAR HOUSE

Maximum Time, Minimum Impact



The Hundred Year House reduces the high cost and large environmental footprint of home ownership by providing long-lasting sustainable housing.



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Driving Forces

- Generation Y can't afford to buy houses
 - 2014 houses cost 8 times the average salary
 - In 1997, it was only 5 times the average salary
- Global warming continues to increase
 - Environmental impact must be reduced

Sources

Huffington Post, 2014-07-02

Two large, curved, swoosh-like shapes. The top one is green and the bottom one is black, both curving upwards from left to right.

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Solutions

- Three-story triplexes with one two-bedroom unit per floor
- Built to use a minimum of heating and cooling energy
- Built to last 100 years with minimal maintenance



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How can Barrie help?

- Project partnership
- Assistance with zoning and permits
- City officials attending the ground-breaking and the grand opening
- No funding needed! Funding will be generated by sponsors.



Why Barrie?

- 35 years of steady growth
- Low rental availability
- Family living in Innisfil

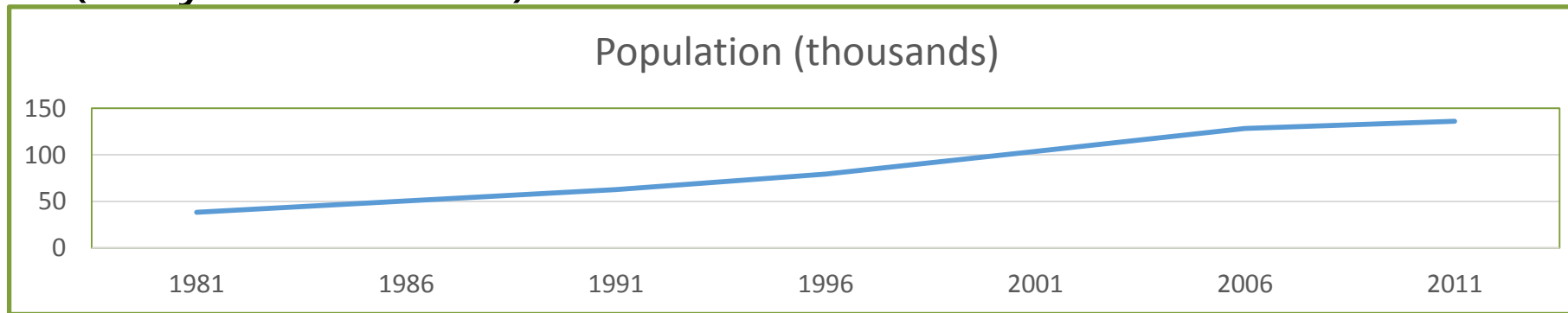


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Increasing Density

- Barrie's population to hit 253,000 by 2041
- "I think increasing densities in suburban plans is the one area where Barrie has not seen significant improvement" (Mayor Lehman)



Sources

Barrie Examiner, 2016-02-29

StatsCan (1986 is estimated)

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Rental Growth

- Barrie's Affordable Housing Strategy
 - Goal: 840 new affordable units by 2024 (121 so far)
 - Vacancy rate is currently 1.3%

Sources
barrie.ca



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How does Barrie benefit?

- 12 new two-bedroom rental units
- Ongoing positive media coverage
- Videos and website demonstrating Barrie's commitment to the environment and future generations of Canadians



Project Scope

- Four houses with identical layout, each one using a different construction method using sustainable materials
- Three-story triplexes, one two-bedroom unit per floor
- 10 years of environmental data gathered

Two thick, curved lines, one green and one black, sweeping from the bottom left towards the right.

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Contributing to the Future

- House plans and project guidelines given away for free
- Construction videos and documents given away for free
- 10 years of power and environmental data to help with construction choices



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Data Gathering

- Data gathering will help determine the best construction methods

| Date | Outdoor Temperature | Heat (watt-hours) | Other (watt-hours) | Indoor temperature |
|------------|---------------------|-------------------|--------------------|--------------------|
| 2017-01-01 | -10 C | 50 | 20 | 21 C |
| 2017-01-02 | -9 C | 48 | 22 | 21 C |
| 2017-01-03 | -11 C | 55 | 21 | 21 C |
| 2017-01-04 | -10 | 50 | 20 | 21 C |

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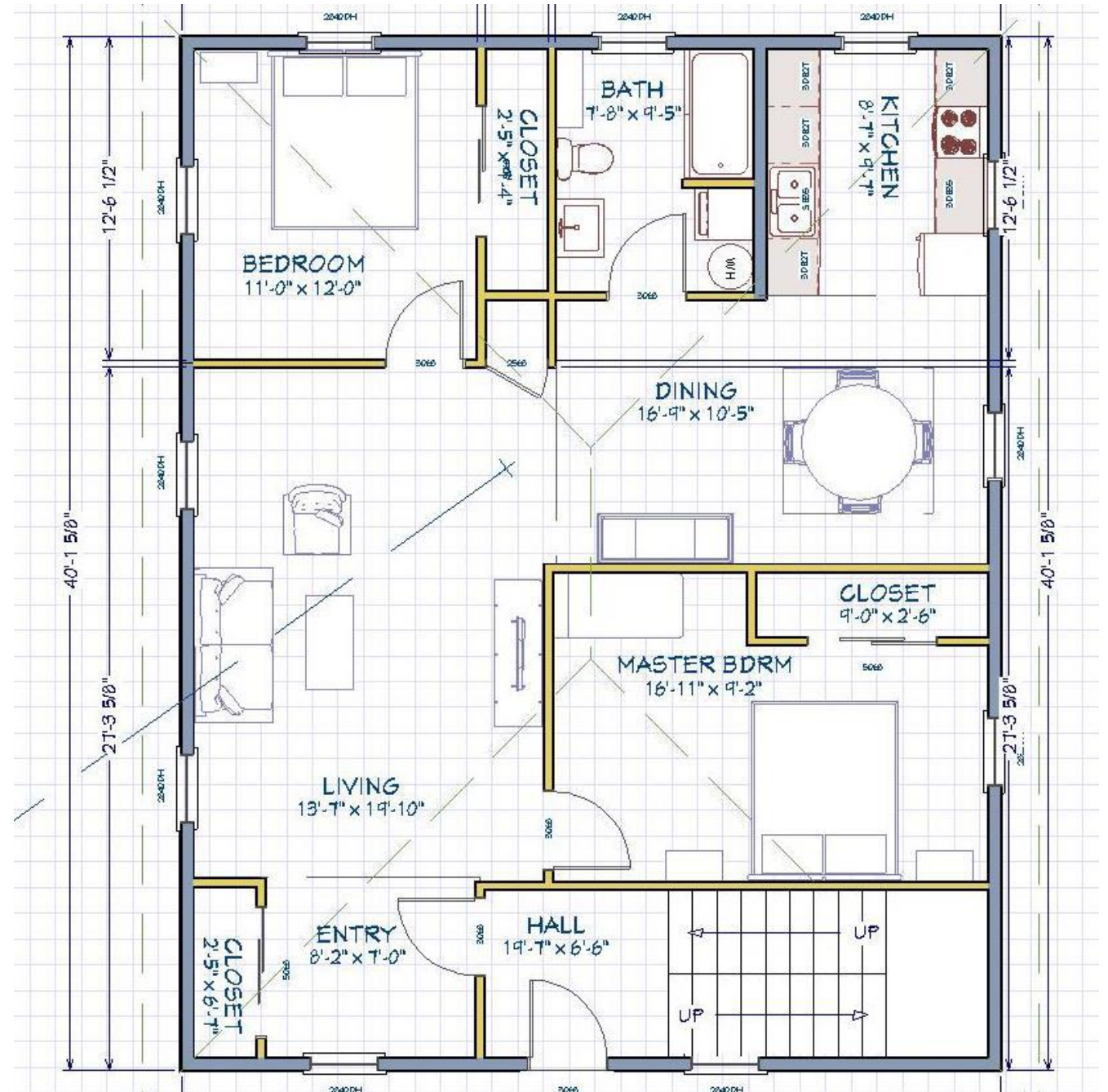


Targeted Sponsors

- These are some examples of the sponsors being targeted



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Who Am I?

- A father wanting to offer his children an affordable and environmentally secure future
- The ShopGeek: 650,000 views on YouTube



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Questions?

Thank you for your time today!

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