

Community Energy Strategy

Home Energy Retrofit Feasibility Study



Focus Group

Zoom Meeting March 24, 2022

Tonight's Agenda

- Introductions
 - *Rija Rasul, Senior Climate Officer, Town of Oakville*
 - *Chris Tyrrell, Senior Advisor, Oakville Hydro (Oakville Enterprise Corp.)*
 - *Rob Kerr, Garforth International Canada Inc. (moderator)*
- Background to Oakville's Community Energy Strategy (CES)
 - *How this Focus Group supports the CES*
- Future Energy Oakville (FEO) and the Oakville Energy Task Force (OETF)
- Review of Survey Responses
 - *Deeper dive on the reason(s) behind your answers*
 - *All comments welcome*
- Recap and closing

The Community Energy Strategy - Goals



Energy Efficiency Goal

Increase energy efficiency by at least 40% by 2041.

The energy efficiency goal is based on a 2016 baseline. Efficiency includes the entire energy system from supply through distribution to end-use.

Emissions Goal

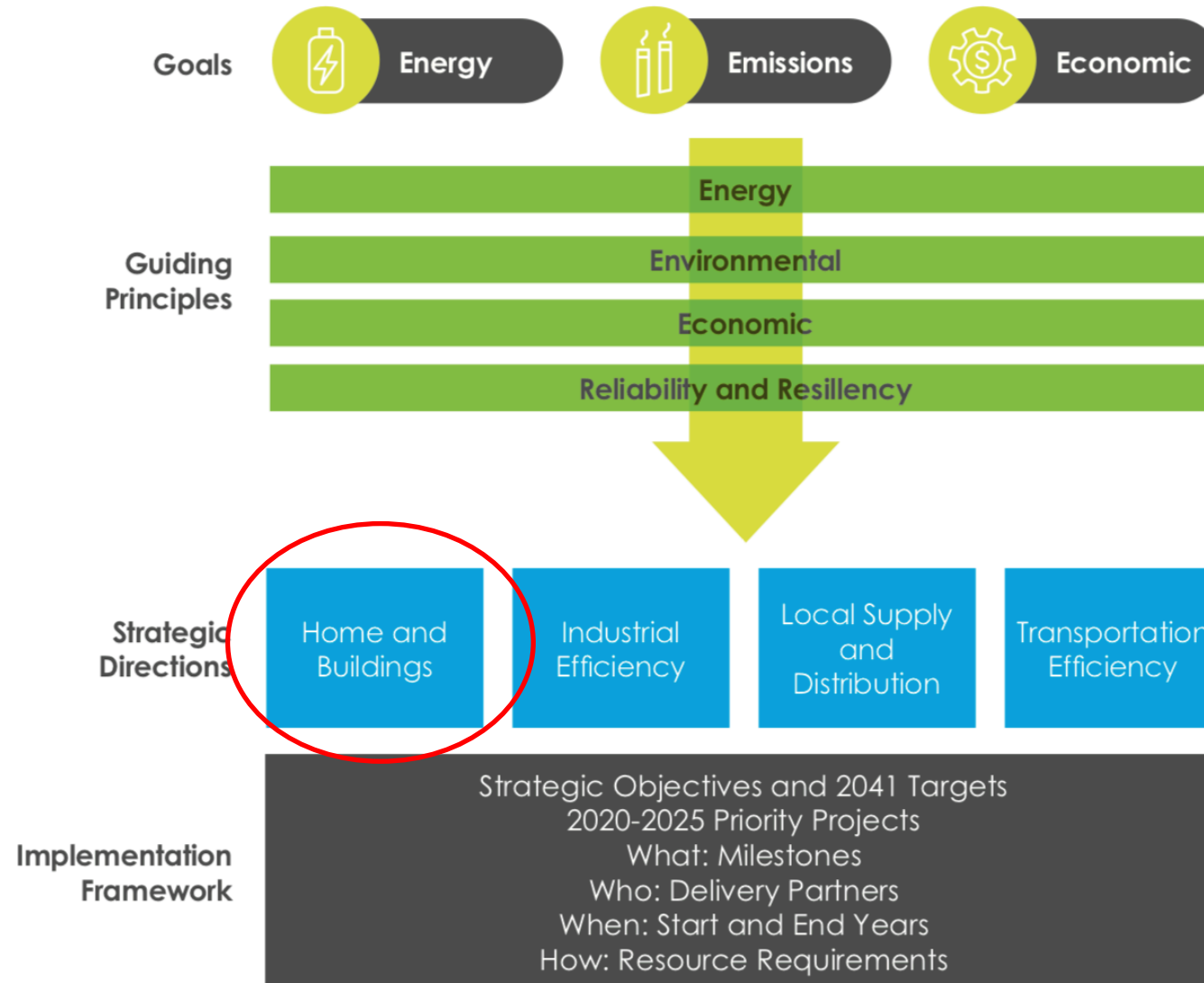
Enable transition to a goal of carbon neutrality by reducing greenhouse gas emissions by at least 50% by 2041.

This emissions goal is based on a 2016 baseline. Emissions also consider the entire energy system from supply through distribution to end-use.

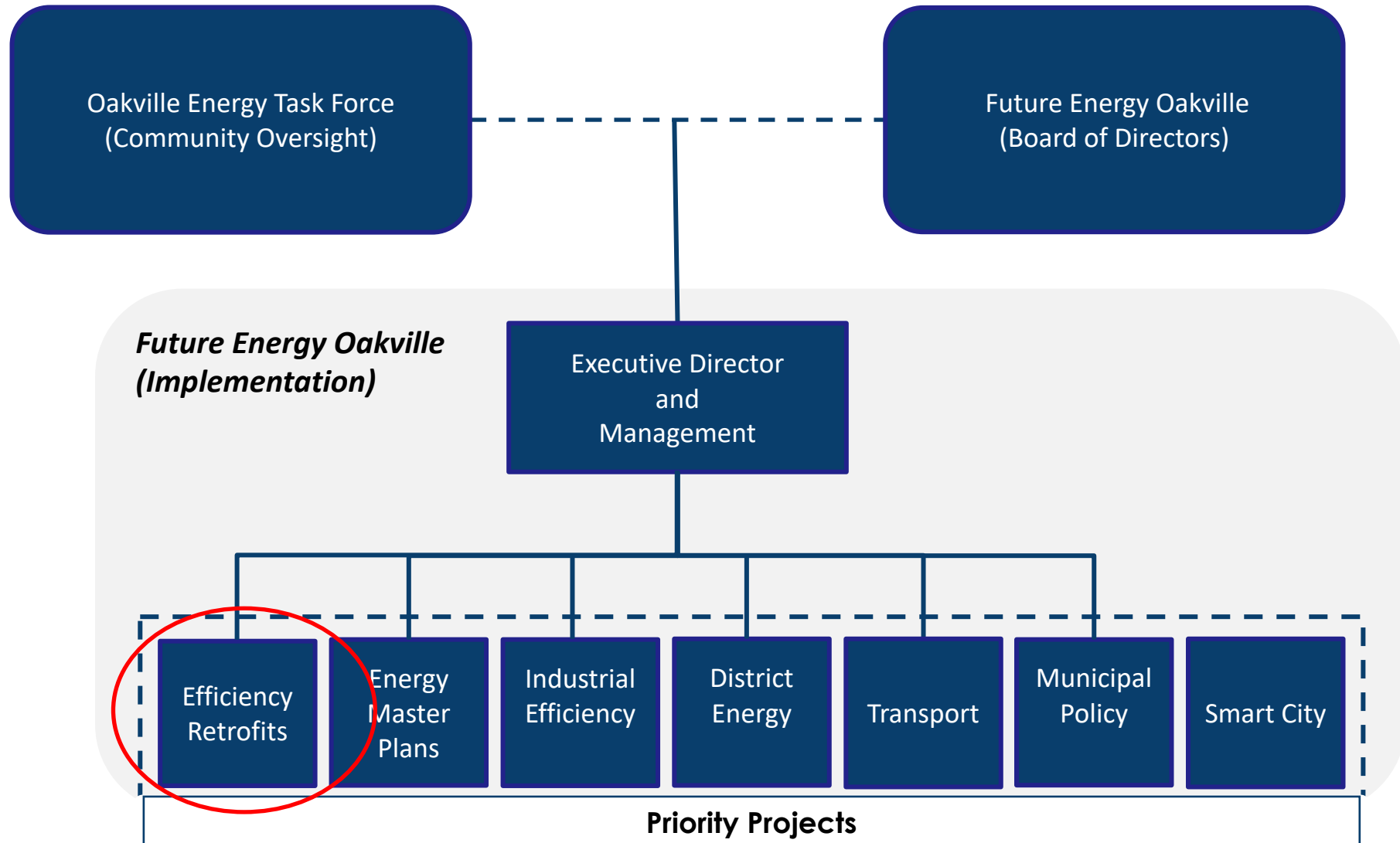
Economic Goal

Return at least \$7 billion in cumulative energy cost savings to the community by 2041.

The Community Energy Strategy Implementation Framework

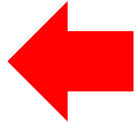


Community Energy Strategy Oversight and Implementation

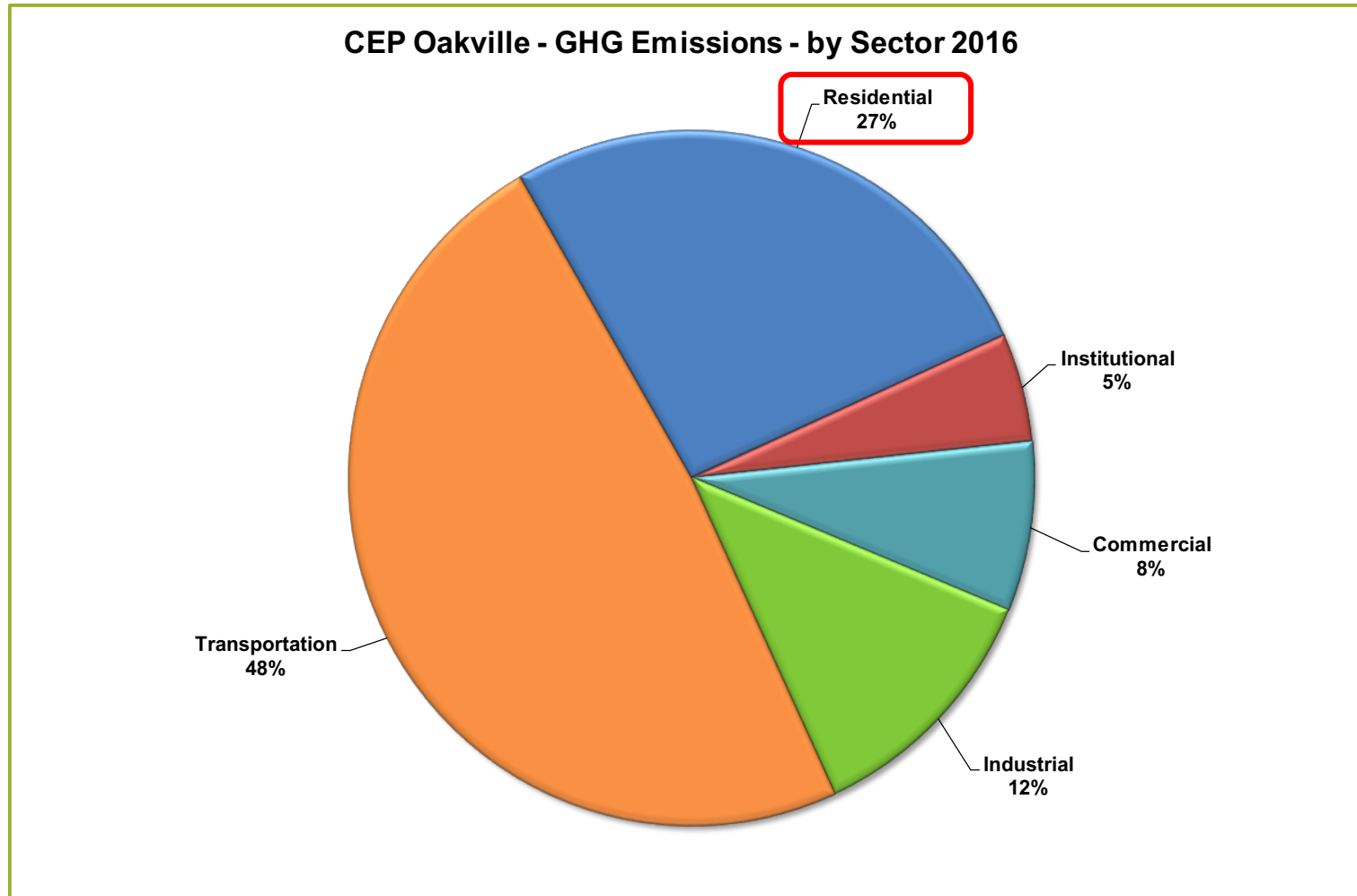


Home Retrofits as a CES Priority Project

Where Are We Now?

| Priority Project: Home Retrofits | Milestone | Delivery Partner | Status |
|---|-------------------------------------|------------------------------------|--------------|
| Feasibility Study (Business Case)  | Complete and Present to FEO/Council | Town of Oakville Oakville Hydro | Underway |
| Consider Results of the Business Case | TBD | | Decision TBD |
| Development of a Home Retrofit Business Plan | TBD | TBD | Decision TBD |
| Incorporate a company to deliver standardized retrofits based on the results of the business case | CES Priority Project underway | TBD | TBD |

Community GHG Emissions Profile



6.6 Tonnes CO_{2e} for Every Resident

What We're Doing Here

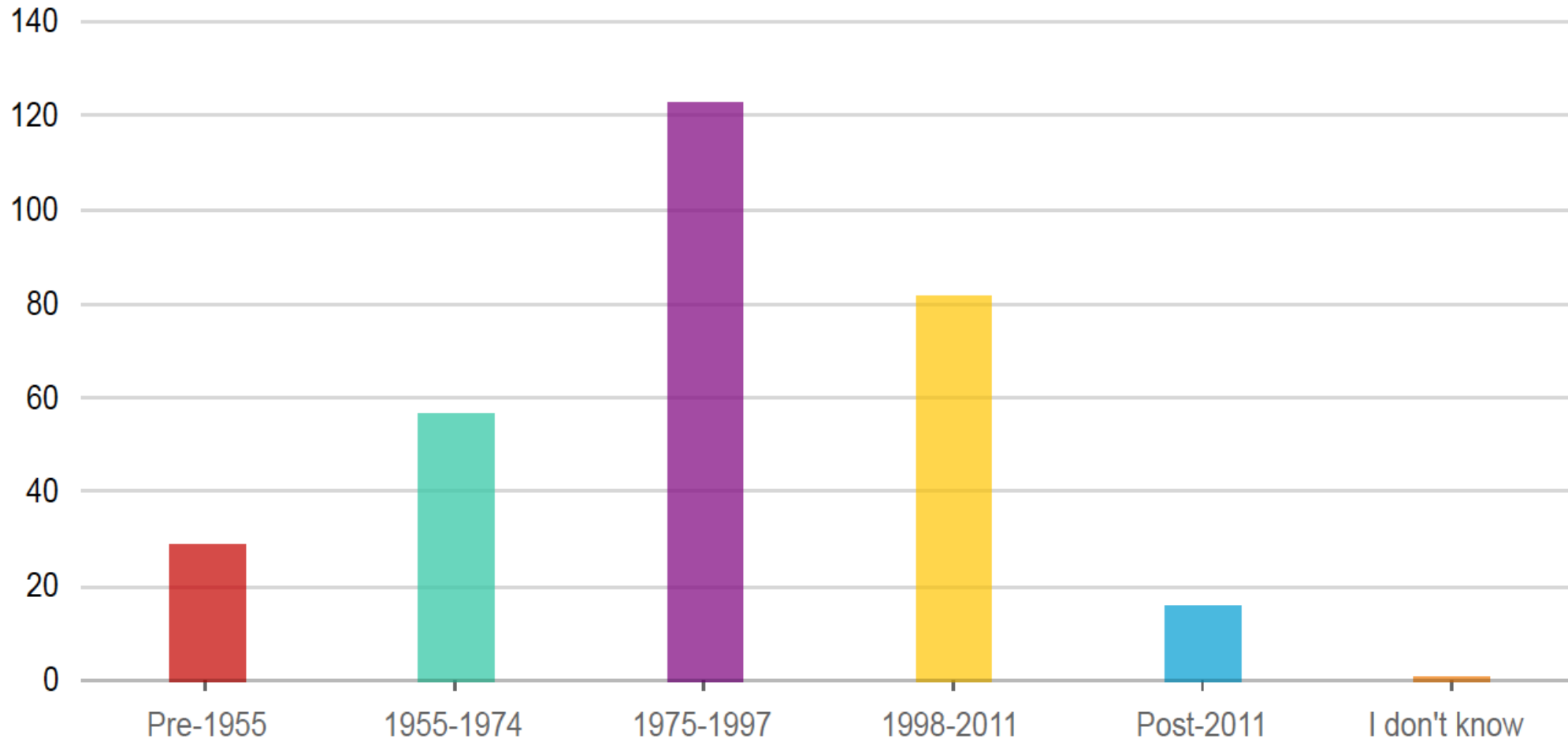
The Town of Oakville and Oakville Hydro (as delivery partners to FEO) are exploring the feasibility of a home retrofit program that could help homeowners reduce energy and water costs by providing easier access to financing through Local Improvement Charges (LICs) for deep energy retrofits.

Part 1

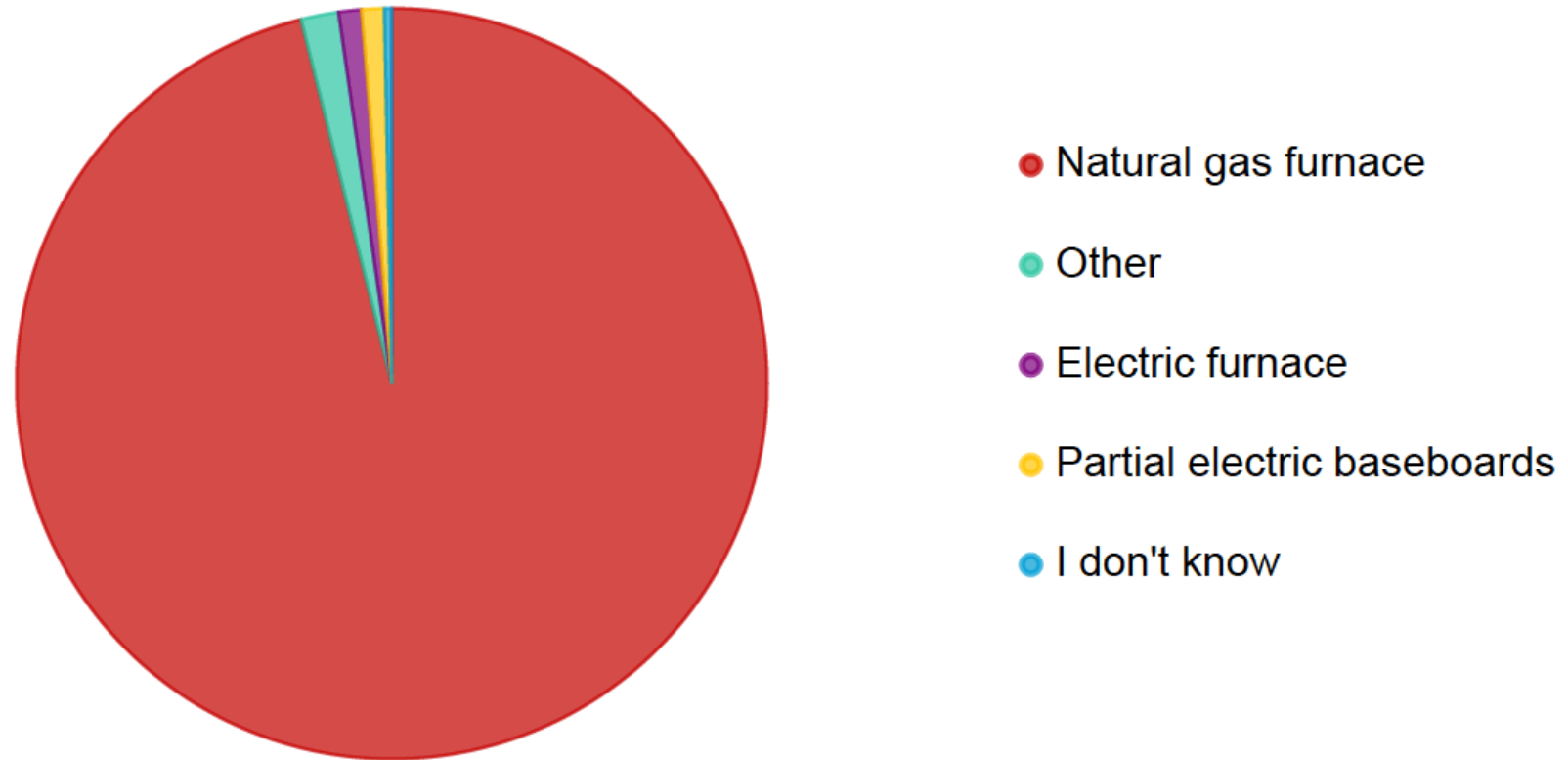
Survey Results

Your home and your experiences with home energy retrofits

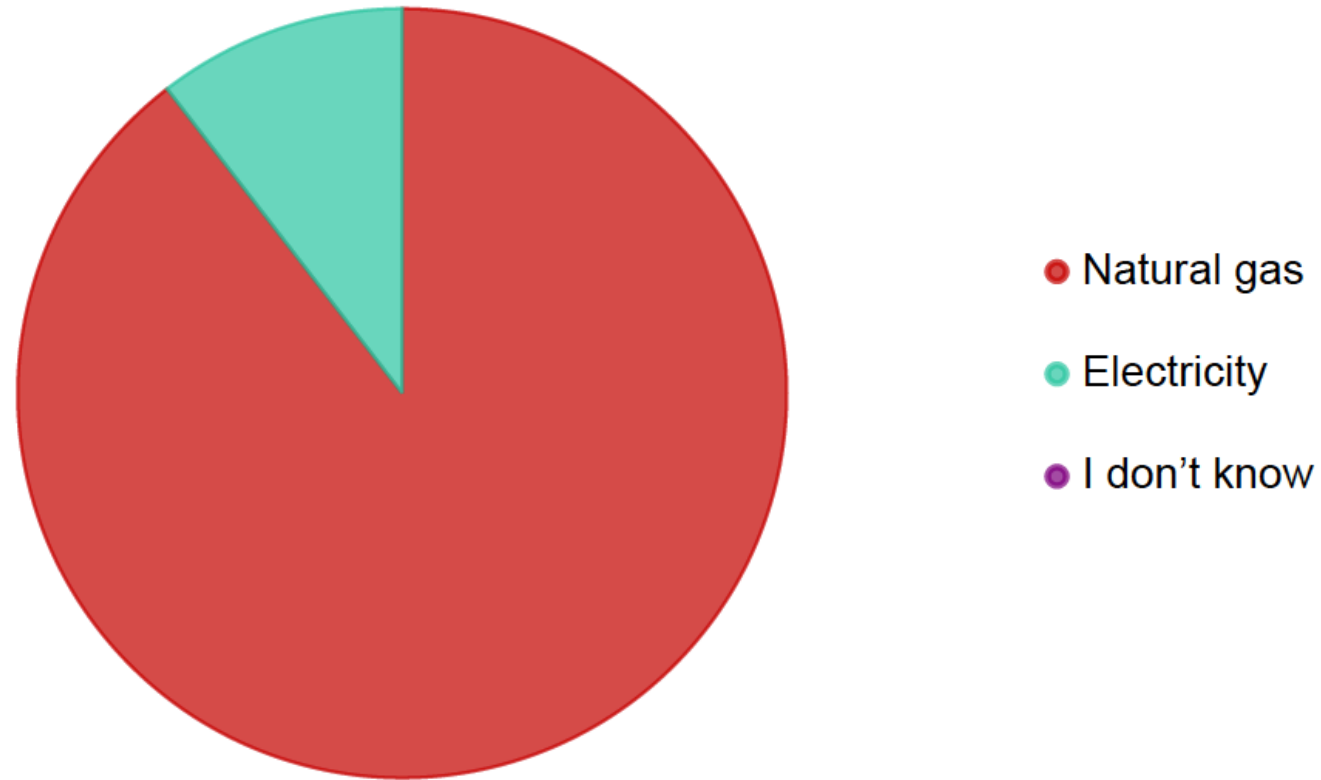
In which year was your house built?



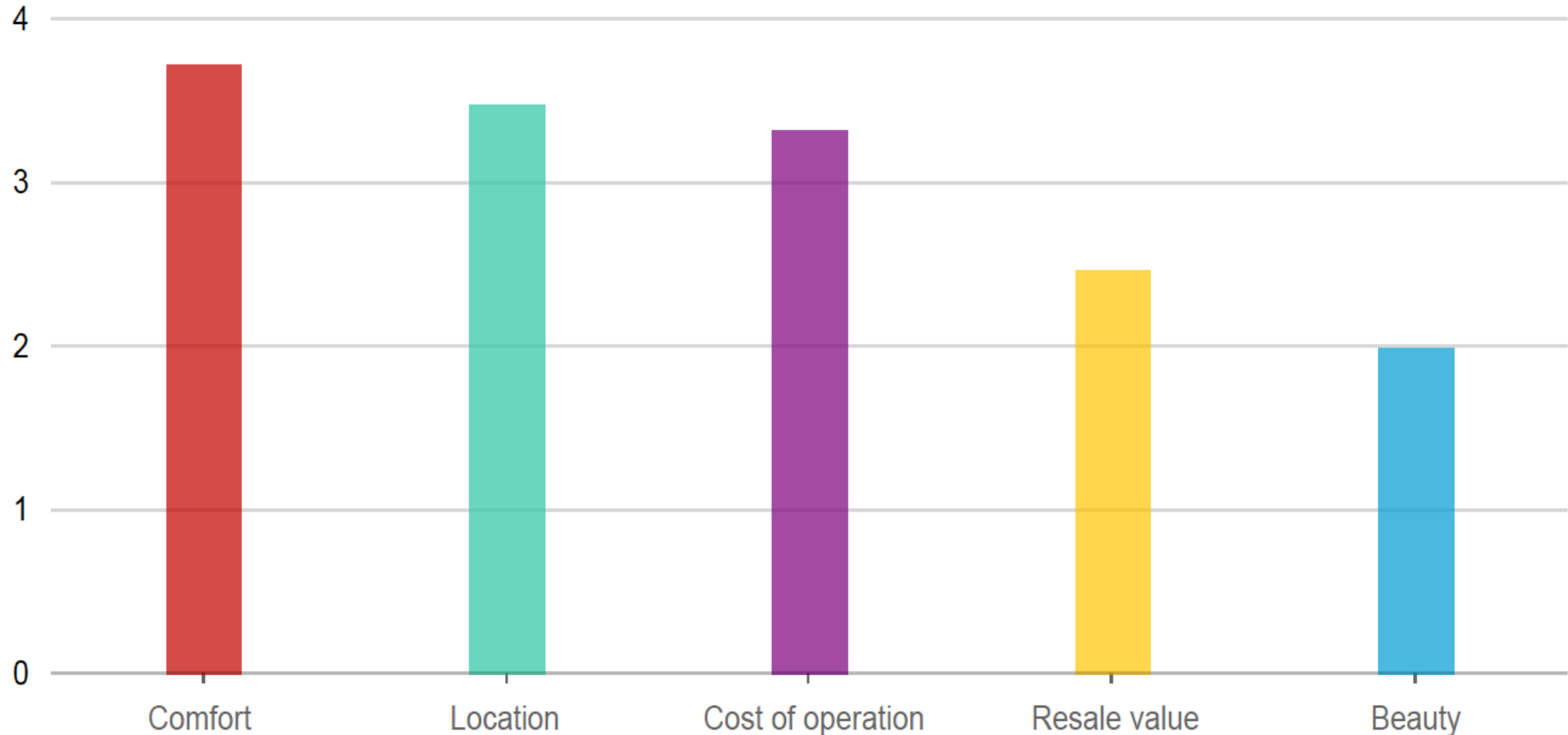
How is your home heated?



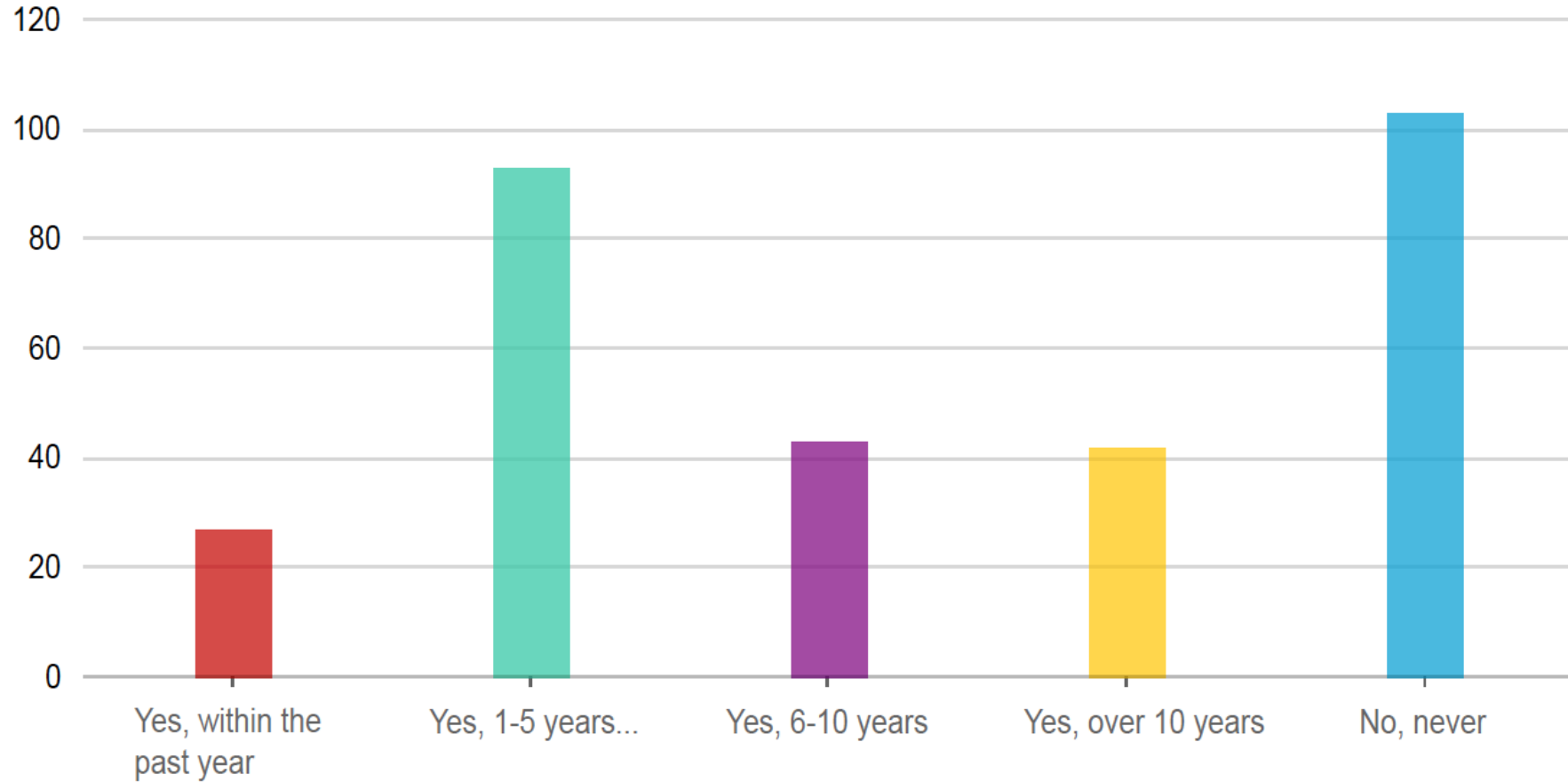
How is your home's water heated?



Please rank the factors that are most important to you when it comes to your home.



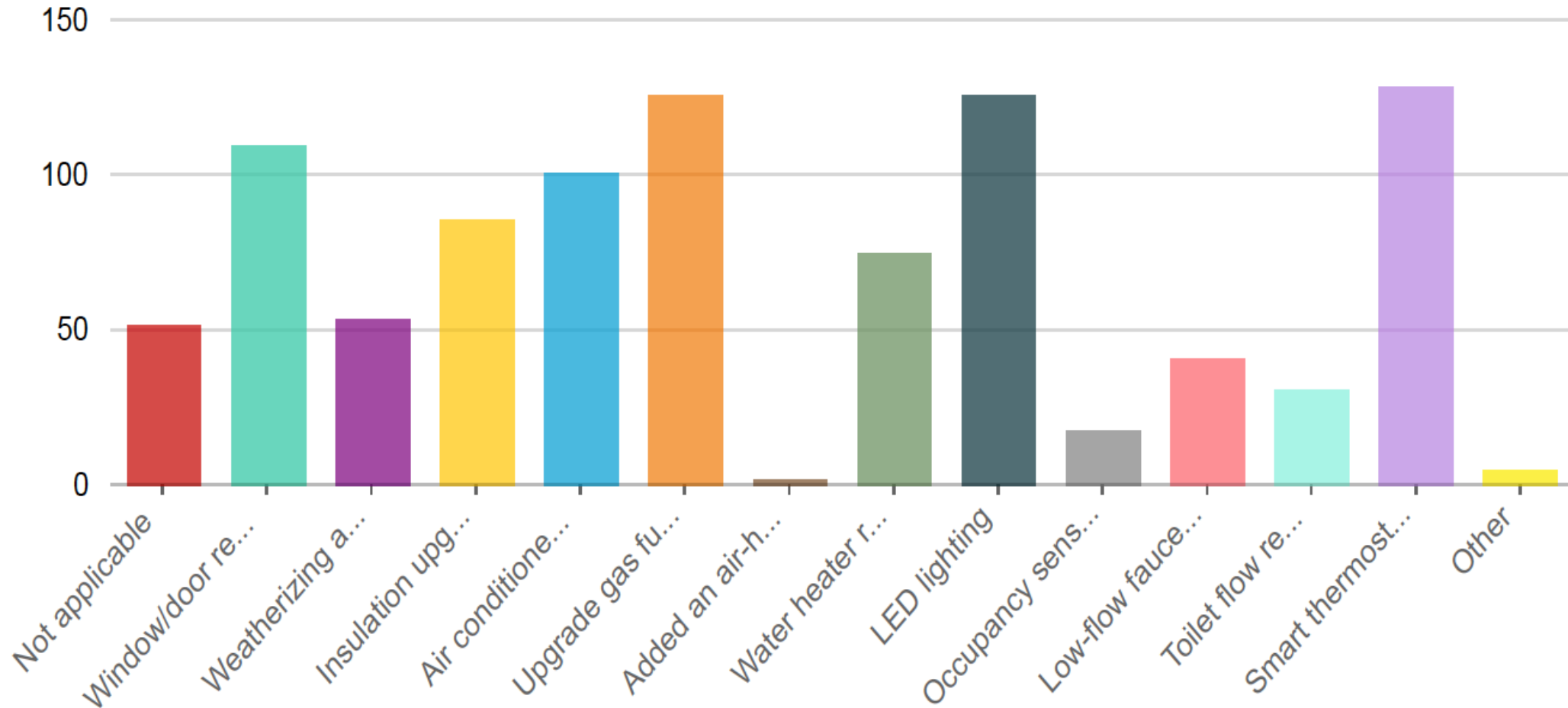
Have you completed a home energy retrofit* in the past?



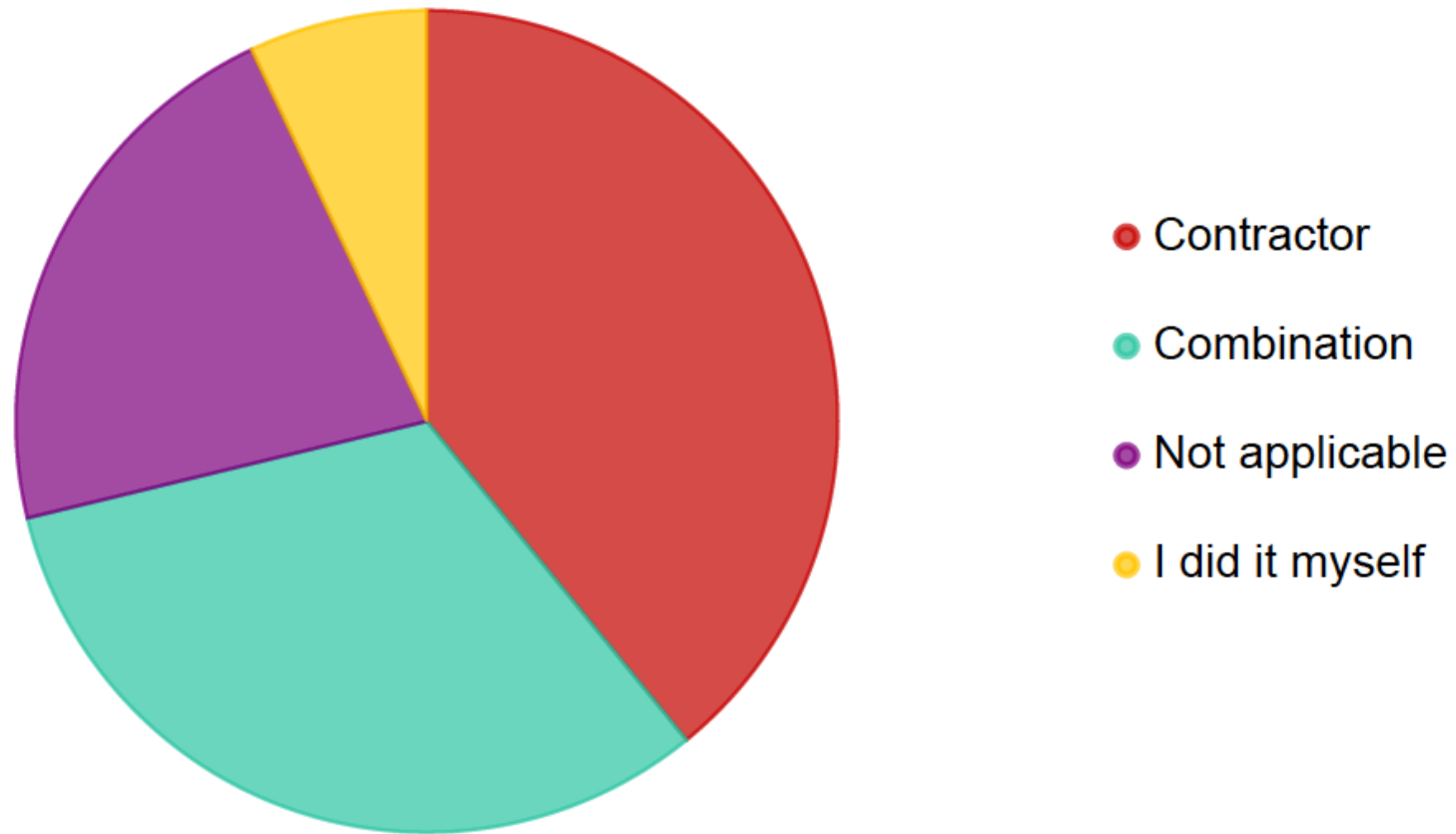
****A home energy retrofit, or energy-efficiency retrofit refers to any activity undertaken in your home in an effort to reduce your energy costs, such as wall/roof insulation, lighting changes, furnace and/or A/C replacement, window upgrades, smart thermostats/improved temperature control etc.***

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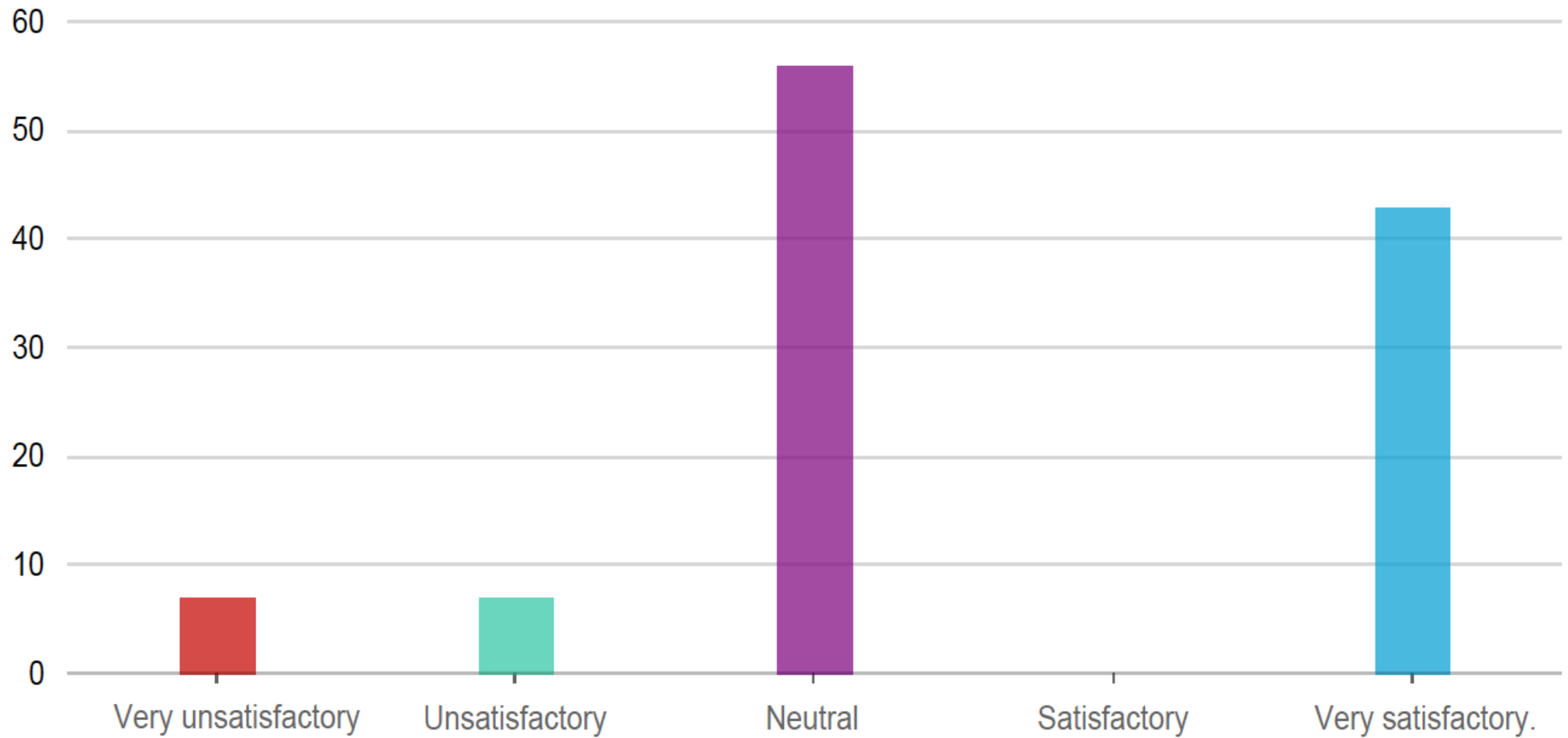
What retrofit measures did you complete?



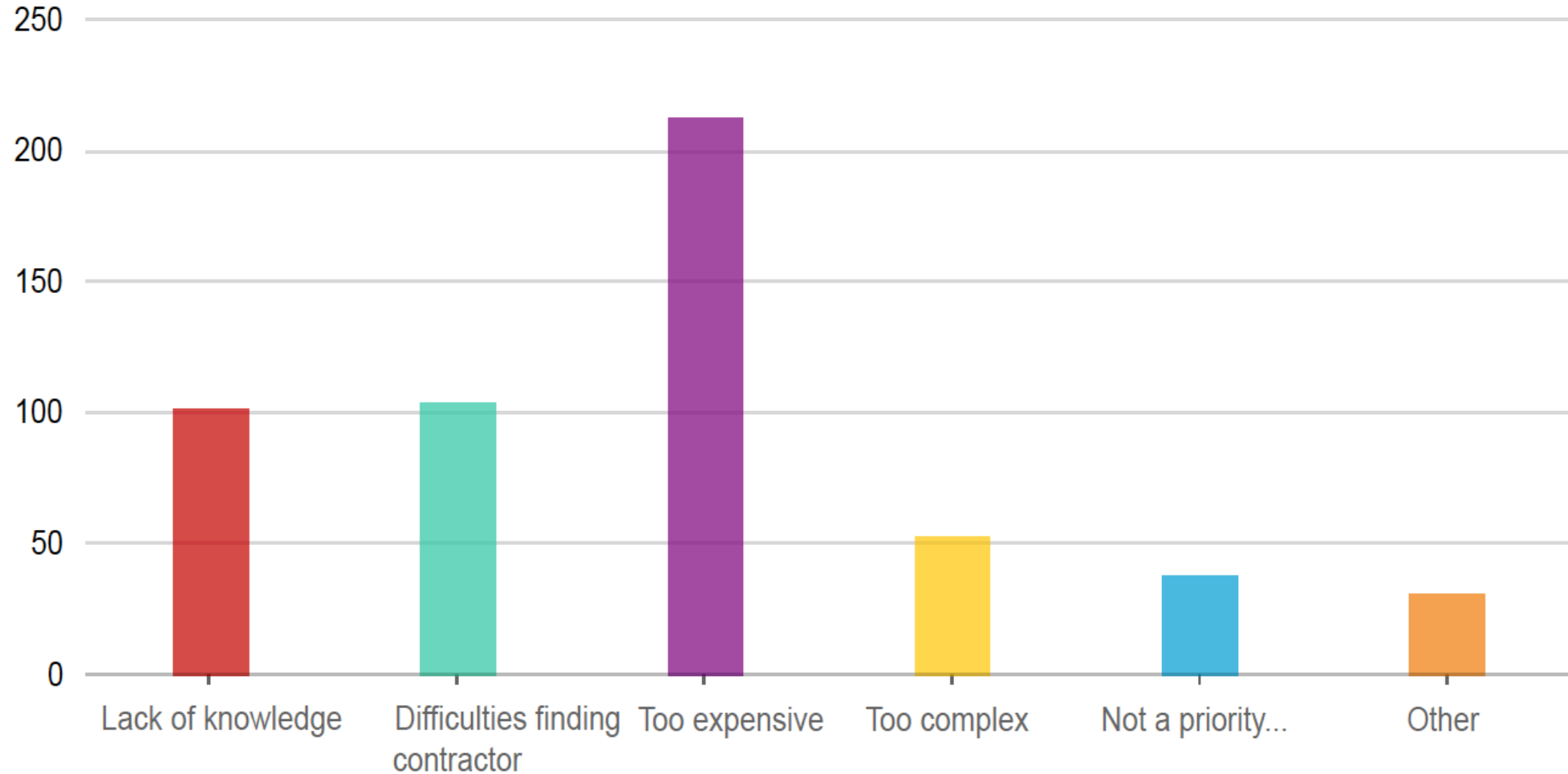
Who completed the work/upgrades?



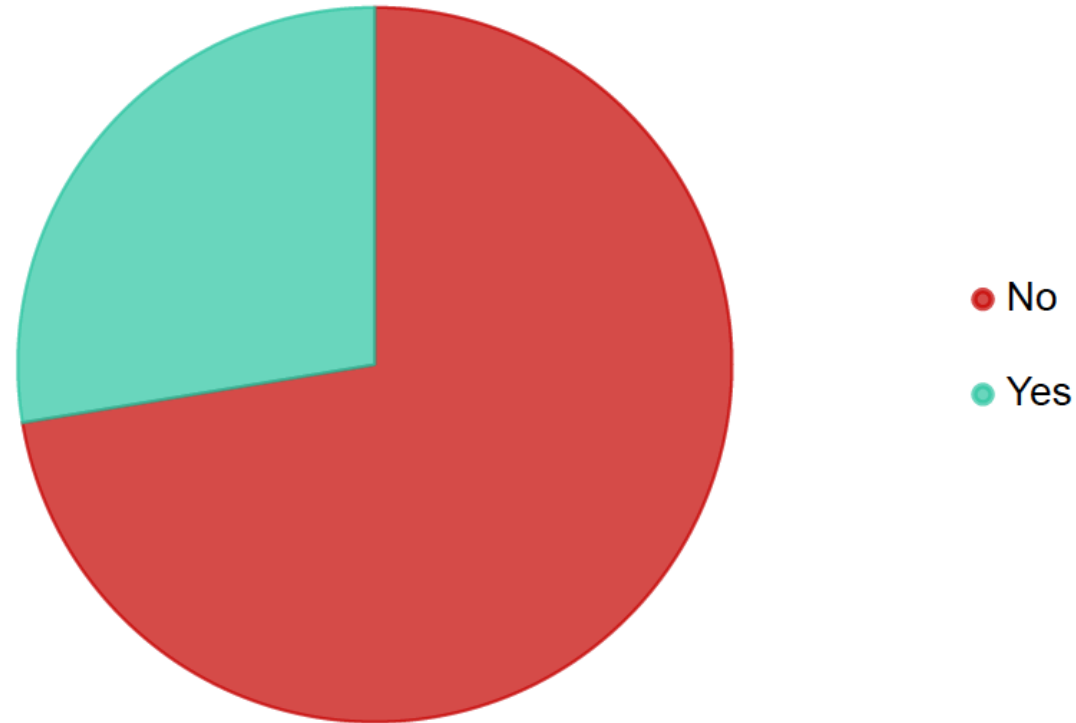
What was your overall experience with the process?



What factors deterred/deter you from completing retrofits?

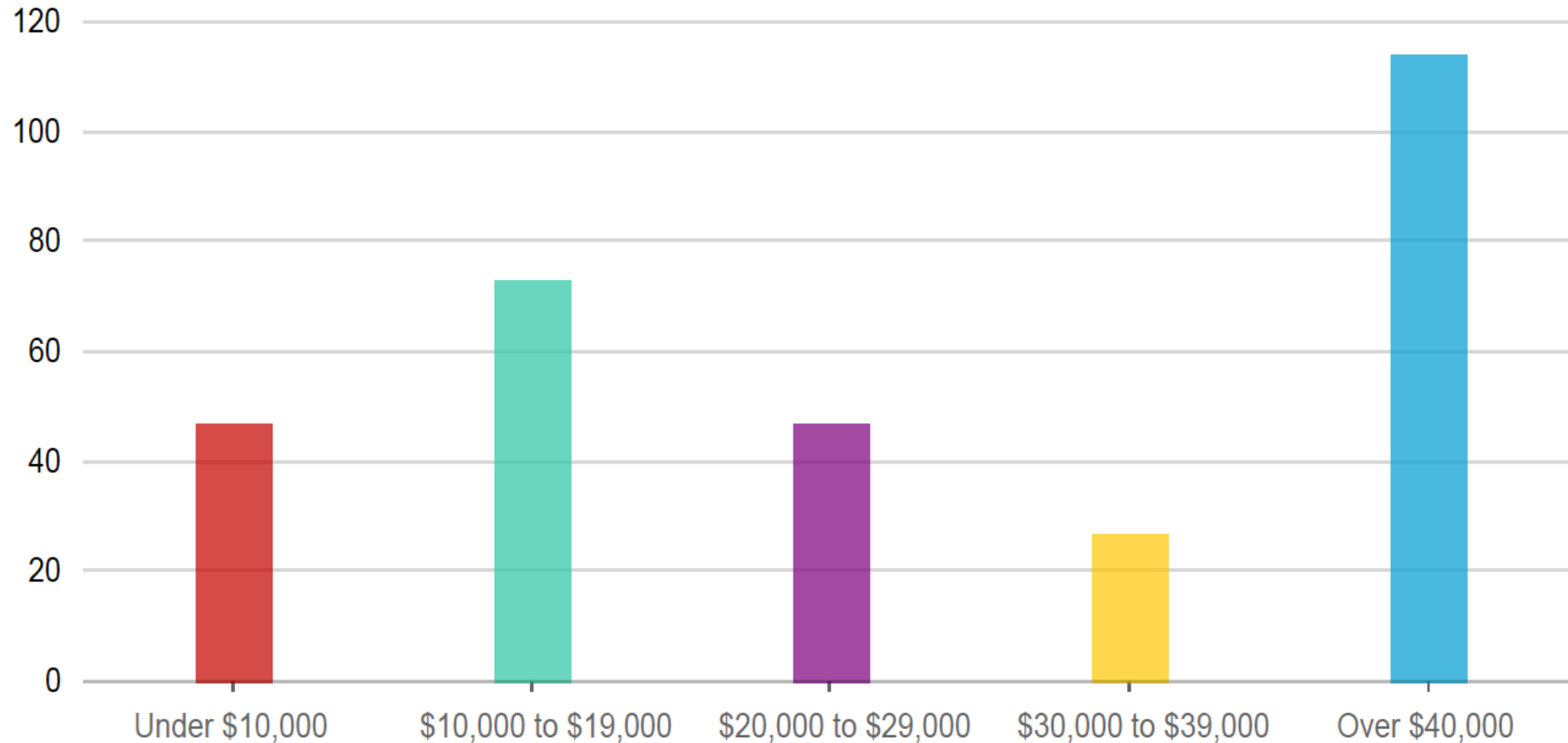


Have you ever completed a home energy audit/energy assessment?

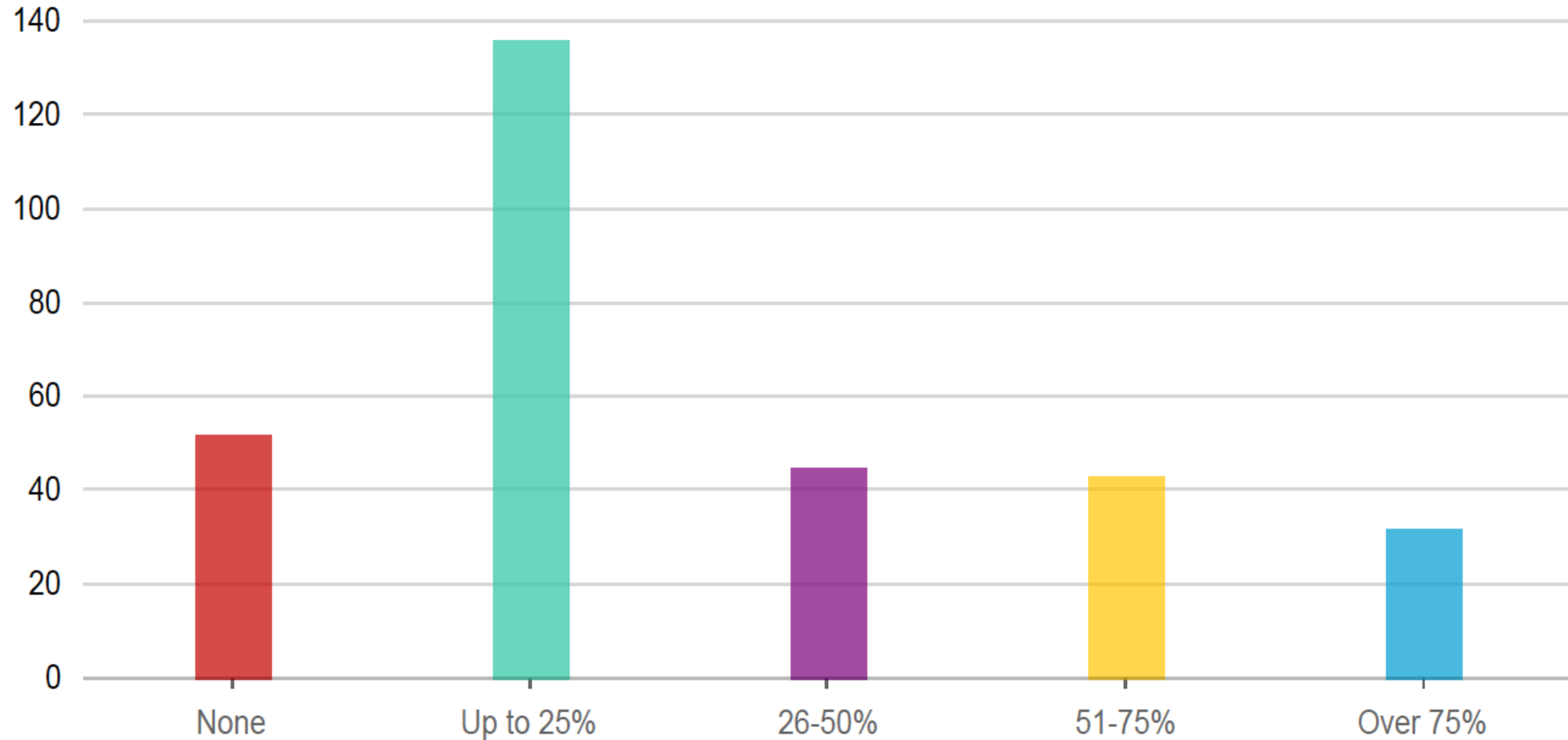


An energy audit is a home inspection that calculates the total energy consumption of your house, and likely includes an inspection of your home insulation.

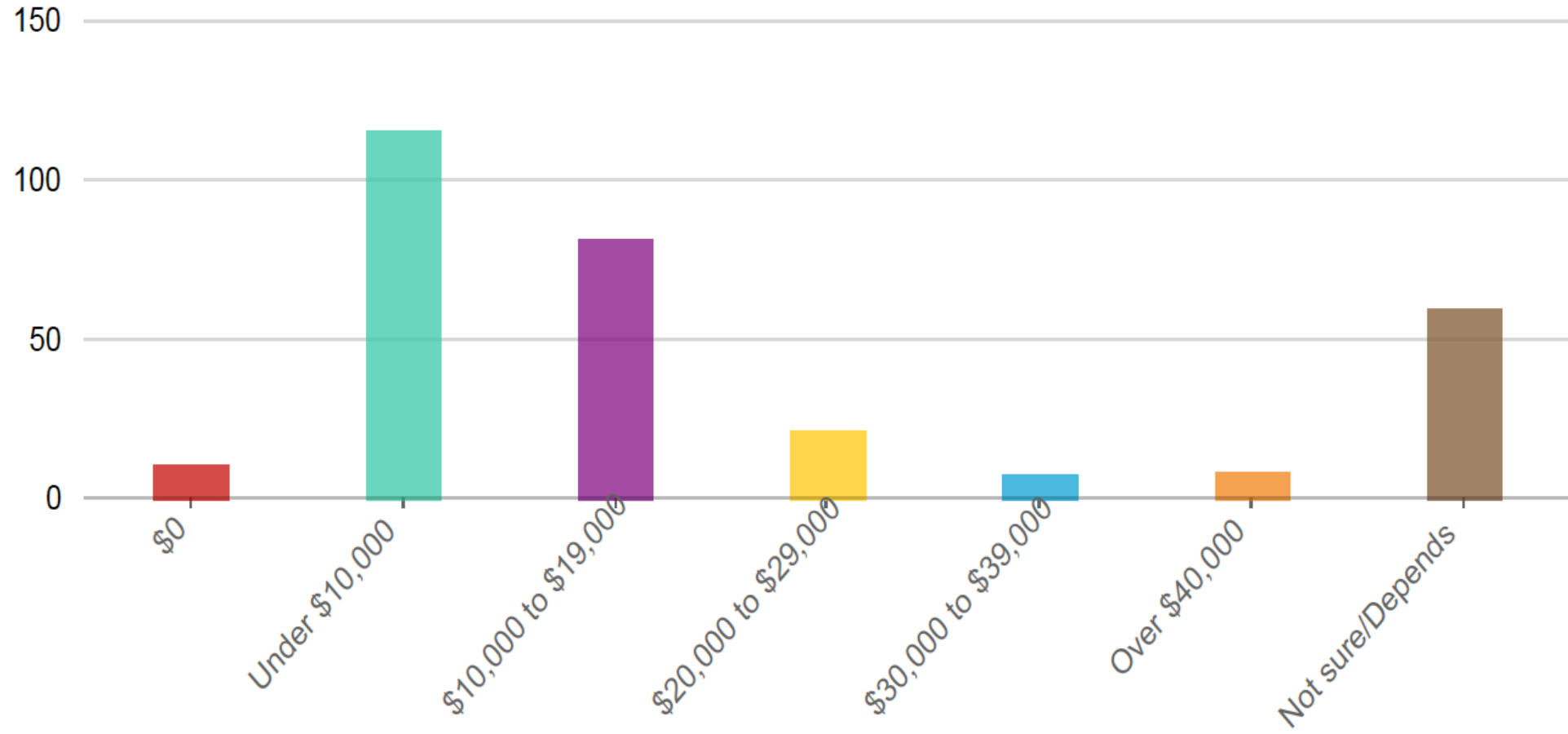
Approximately how much have you invested in upgrading your home (incl. non-energy related improvements) in the last 10 years?



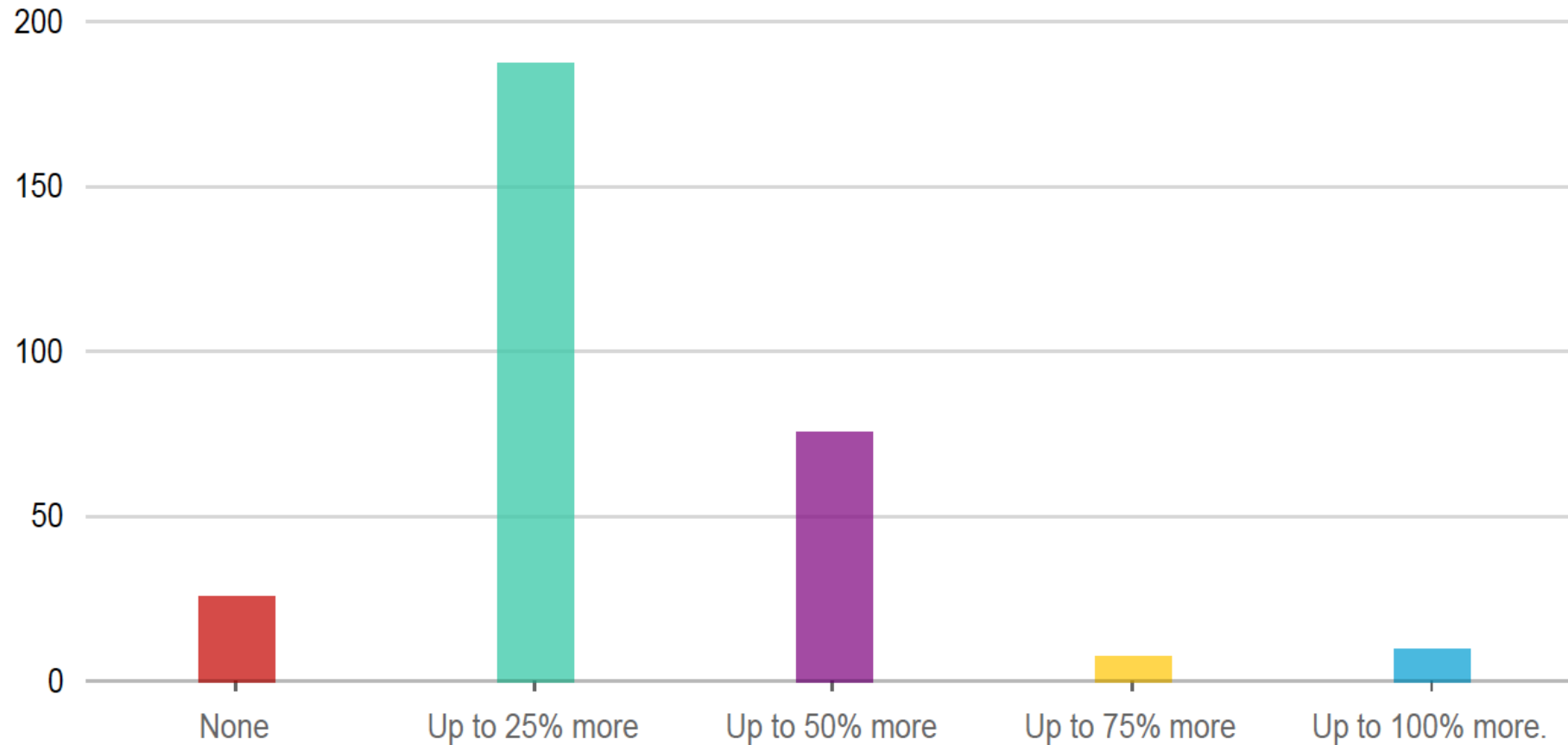
What percentage of that amount would you say went towards energy-related improvements?



Approximately how much, on its own, would you be willing to invest in a home energy retrofit?



When completing a home improvement/renovation, if an opportunity to upgrade the improvement meant realizing additional energy-related savings*, approximately how much more would you be willing to invest in the improvement?



****Energy savings, energy cost savings, and/or greenhouse gas emissions reductions***

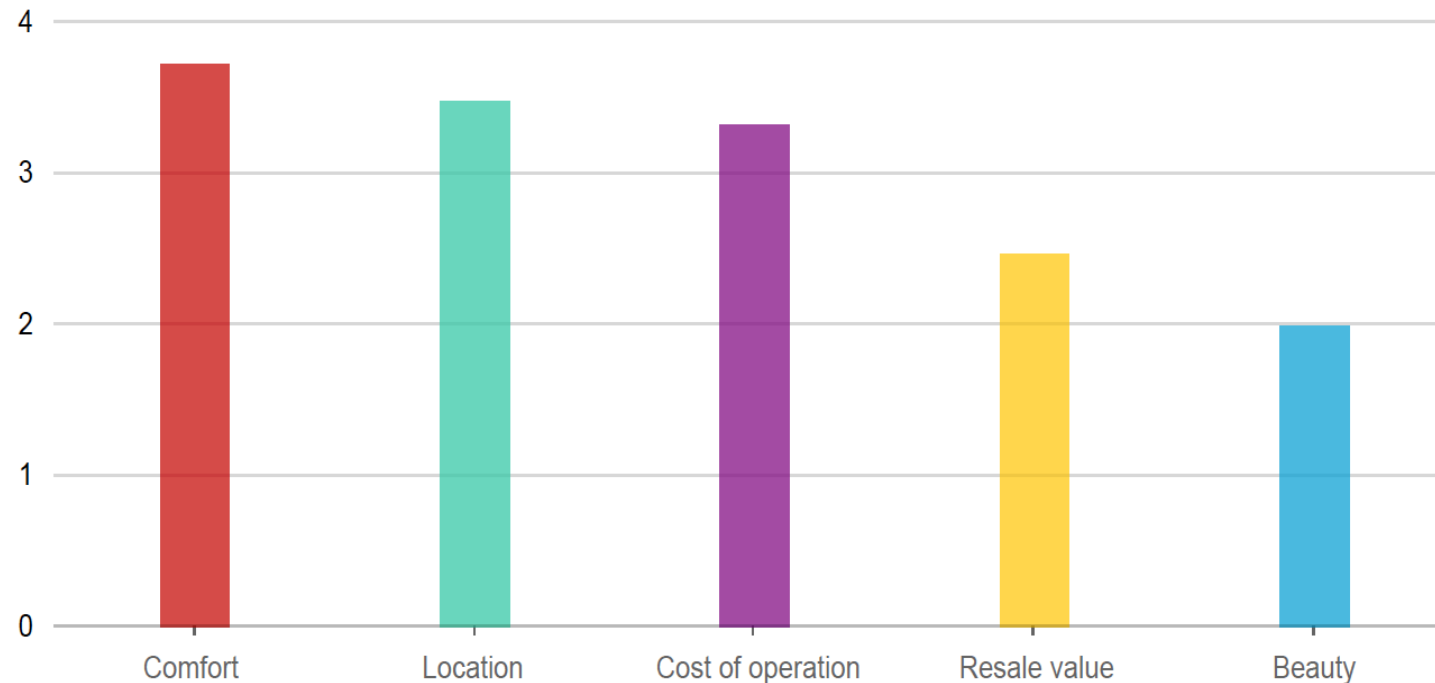
Part 2 *Overview*

Key Elements of a Potential Home Energy Retrofit Program

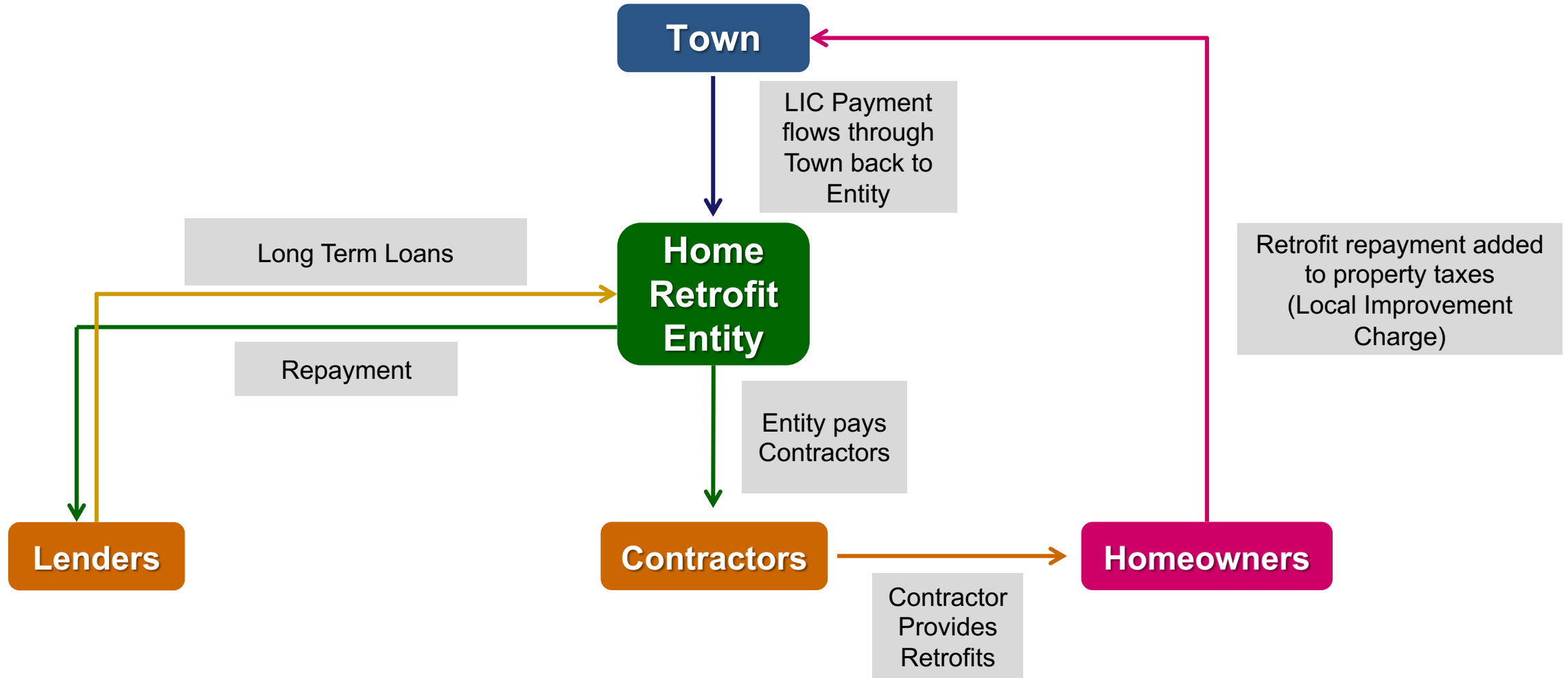
A Potential Home Retrofit Program

Value Proposition:

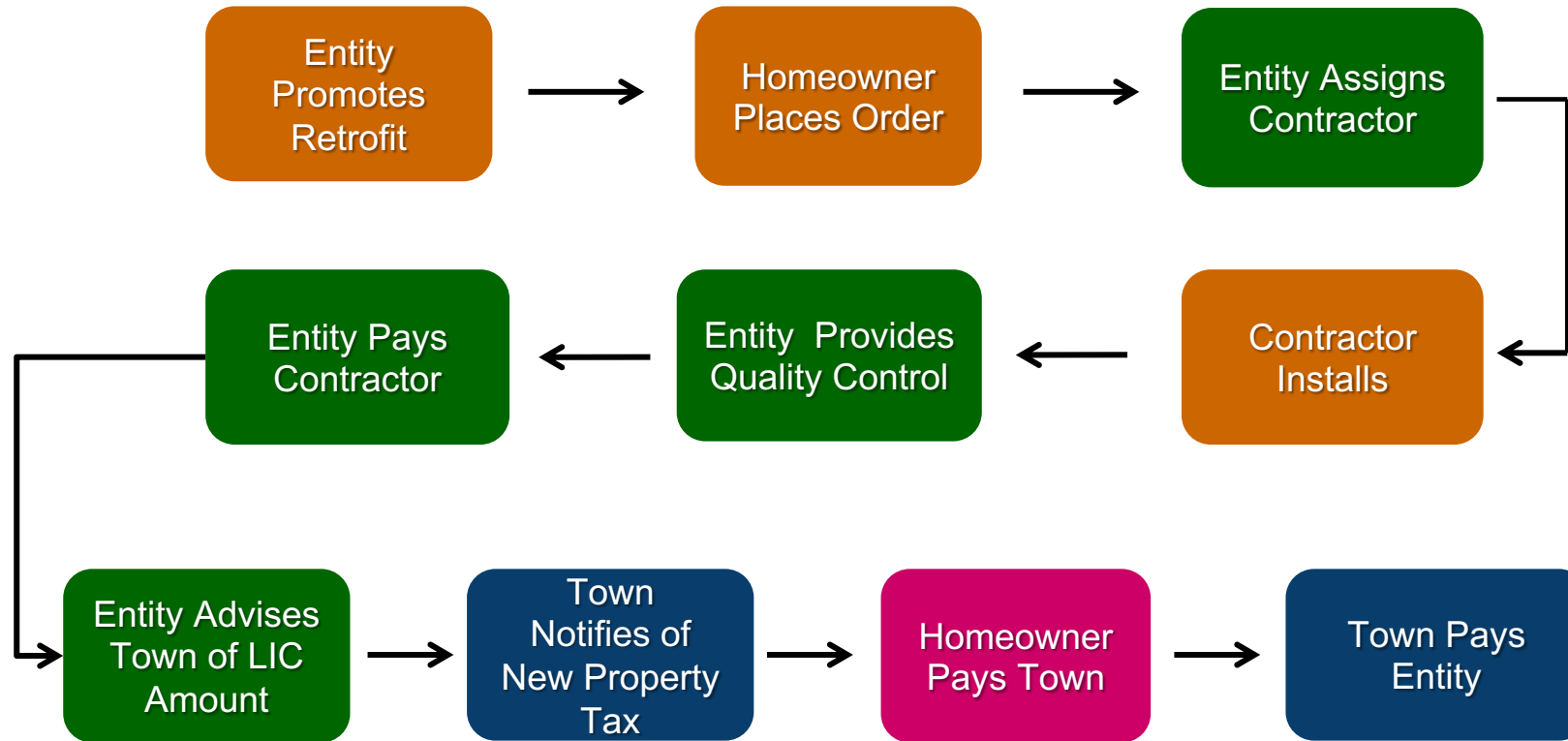
“Value” of home retrofits matches or exceeds the monthly financing costs of a financed home retrofit.



How Could A Potential Program Work? Who is Providing Capital?



How Could A Potential Program Work? Process



How Could A Potential Program Work?

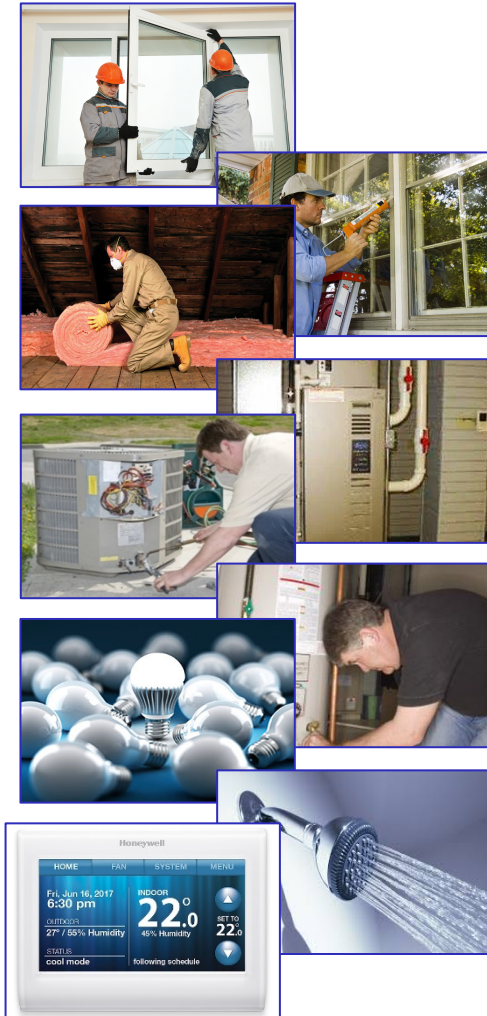
Key Component – Local Improvement Charges

Municipal Loan

Provincial government rules allow municipal governments to loan homeowners money to pay for an efficiency renovation. The loan is paid back over a long period of time at a very low interest rate through an additional charge on the property tax bill – called Local Improvement Charges. If you sell your home before you have paid back the loan, the next homeowner is responsible for making payments.

How Could A Potential Program Work?

Standardized Retrofits



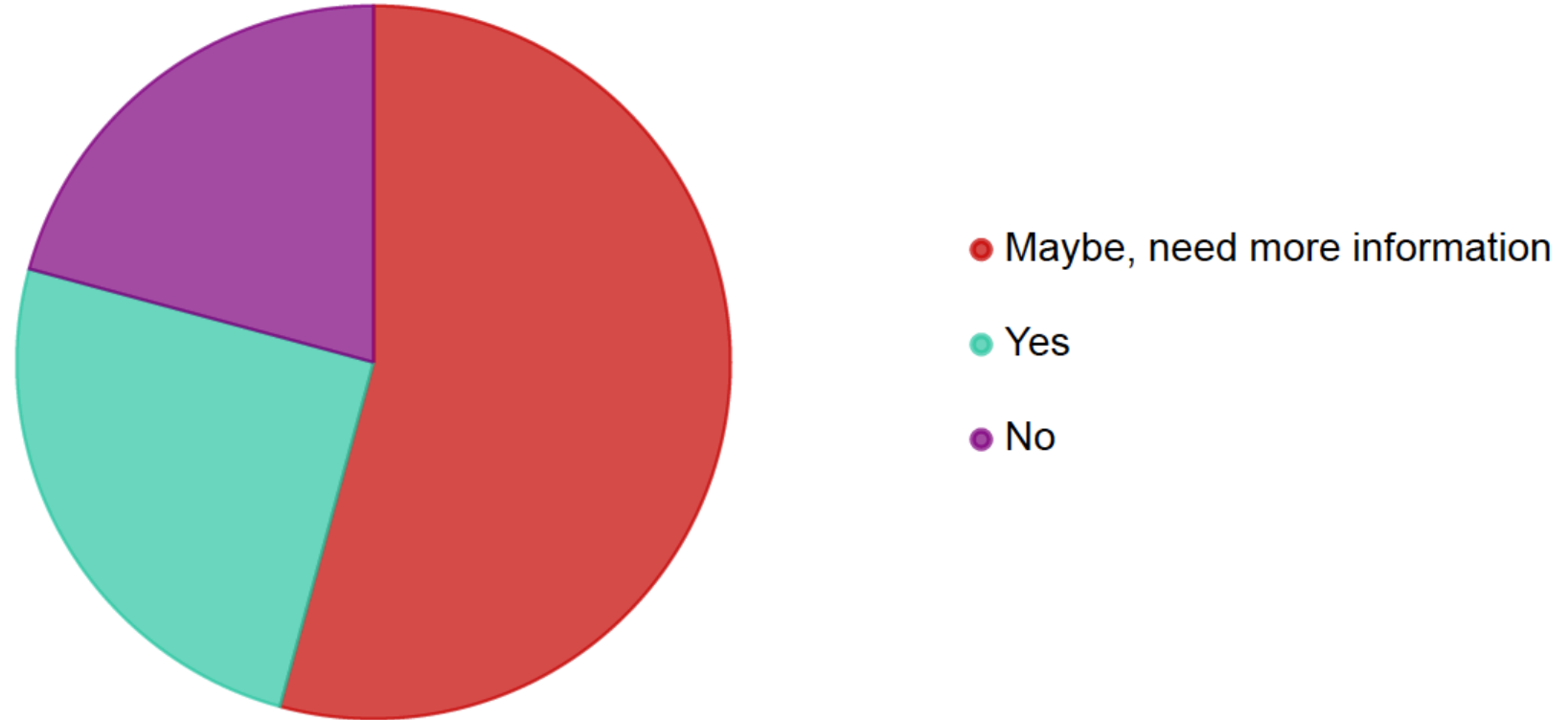
| Measures |
|-------------------------|
| Windows |
| Weatherizing |
| Insulate attic |
| Insulate other |
| Upgrade AC |
| Upgrade gas furnace |
| New air-heat pump |
| Replace water heater |
| LED lighting |
| Smart strips |
| Occupancy sensors |
| Lo-flow faucets/showers |
| WC flow regulator |
| Smart thermostat |
| Other |

Part 3

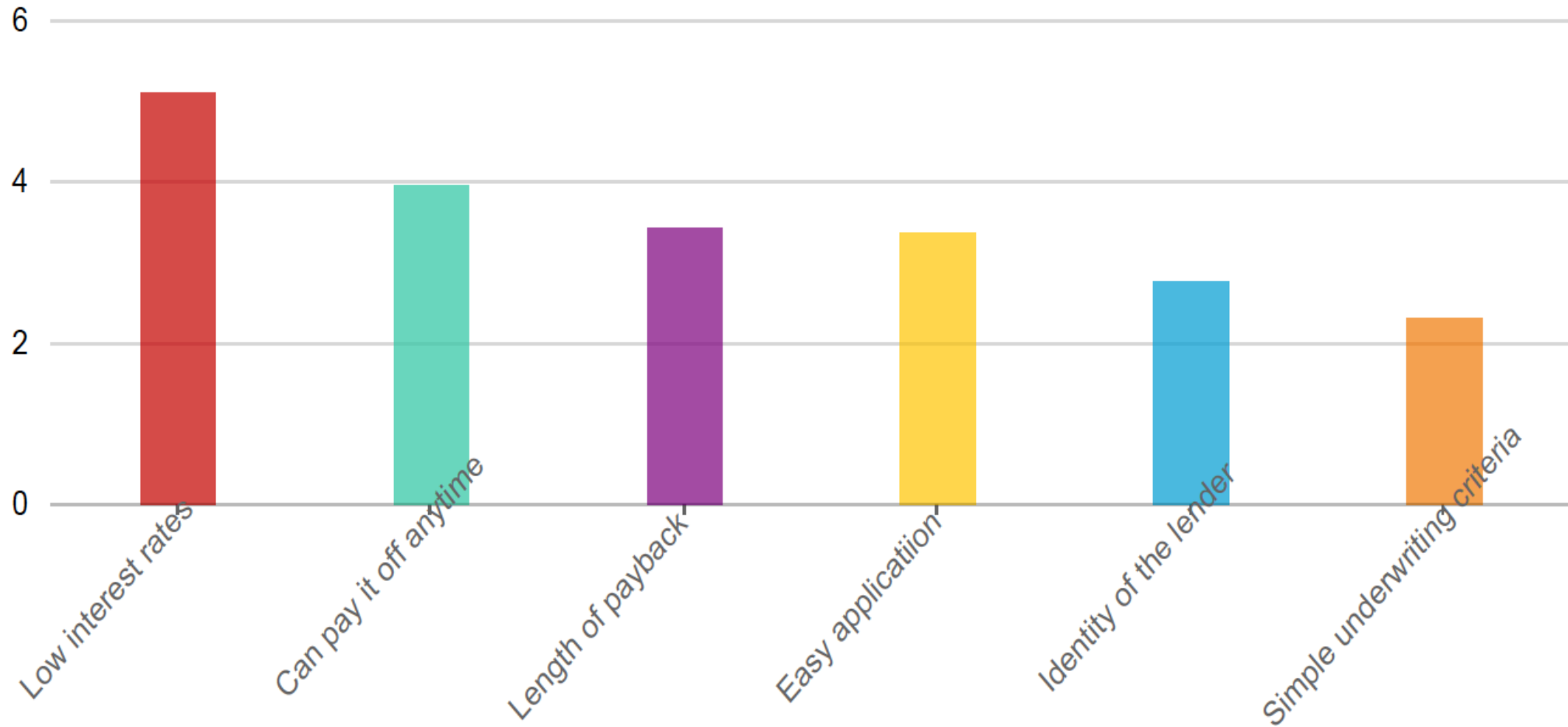
More Survey Results

Interest in a Potential Home Energy Retrofit Program

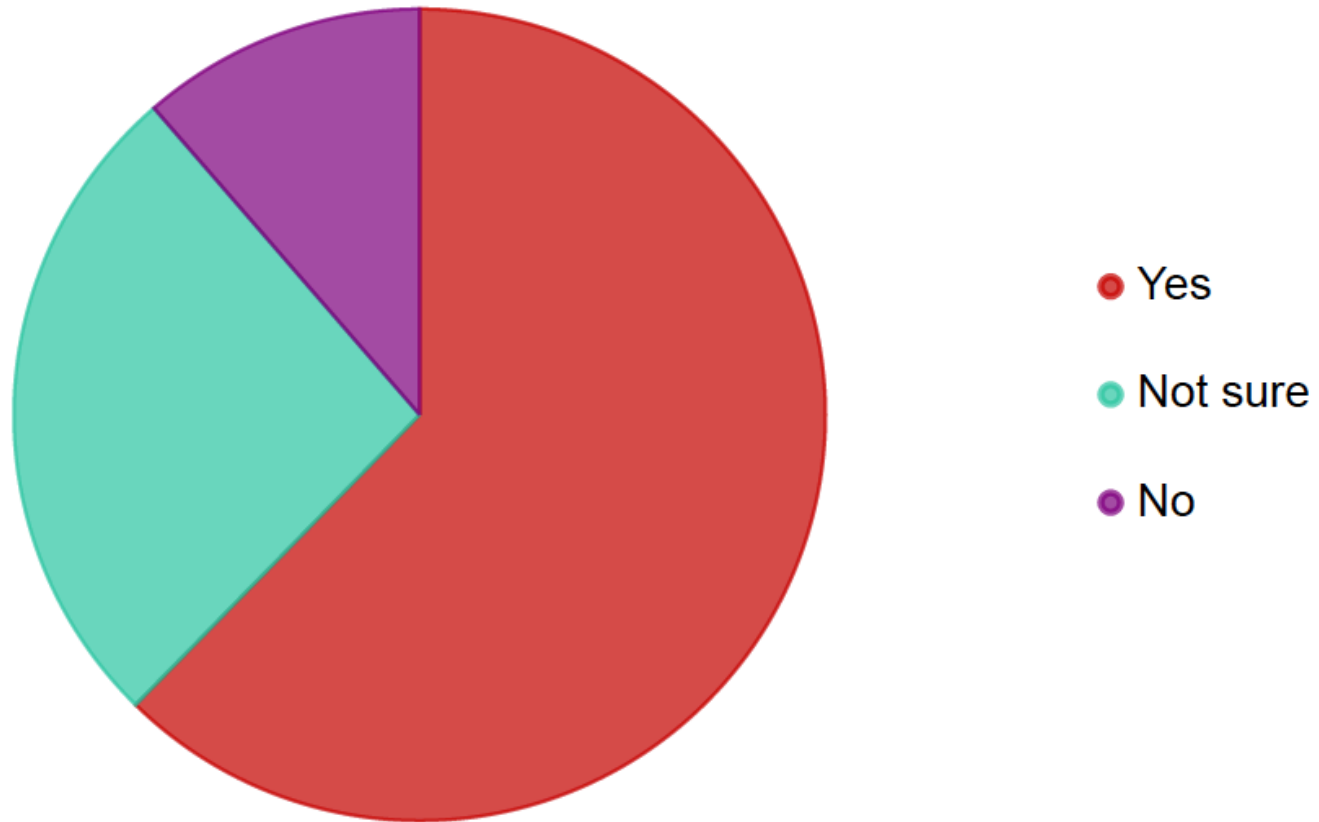
Would you be interested in an LIC-based loan program?



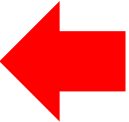
What features of a financing product would be most important to you?



If the program was developed as a turn-key solution that eliminated the need for you to source qualified contractors, would that be an incentive to considering participation in the program?



Next Steps

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THANK YOU!