



Community Energy Plan: Sparking Innovation

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Planning & Building Services

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\$245 Million

A Scenario

- Single family house
- Over 20 years old



Another Scenario

- Newmarket contractor
- Specializing in home renovations



Did you know?

- Newmarket uses 16.5M Gigajoules of energy per year
- Residents use 4.1M Gigajoules of energy per year
- There are 29,000 homes in Newmarket
- Single family homes are approximately 80% of all houses in Newmarket
- 70% of the homes in Newmarket are 20 years old, or older

Did you know?

- Houses spend \$60M on utility bills
- Single family dwellings spend \$46.8M on utility bills per year (80%)
- Homes 20 years and older spend \$42M on utility bills (70%)
- Individual homes spend approximately \$2,069 on utilities a year
- Residences could be spending between \$132M to \$260M per year on energy by 2042

Lessons Learned & Next Steps

- Homes 20 years and older make up most of our housing stock
- They are spending a lot of money on energy

We have a plan to help

And there are side benefits too

The Plan: Community Energy Plan

Approved 2016



Town of Newmarket Community Energy Plan

May 19, 2016



Garforth International Inc
Energy Productivity Solutions

The Vision

To create a sustainable community whose energy future is efficient, secure, reliable, and environmentally progressive. Our approach to managing energy will demonstrate leadership and be *well beyond the ordinary*.

The Targets

To Work Towards Current Global Best Practices by achieving:



40% per capita energy
reduction

40% per capita greenhouse
gas emissions reduction

Positive economic
development

The Outcomes

Well Beyond the Ordinary

Competitiveness

1. Energy cost
2. Employment
3. Investment

Security

4. Supply security
5. Supply quality
6. Flexibility

Environment

7. Greenhouse Gas Reduction

The Strategies

- Strategy 1a: Residential Efficiency
- Strategy 1b: Commercial/Institutional Efficiency
- Strategy 1c: Industrial Efficiency
- Strategy 1d: Transportation Efficiency
- Strategy 2: District Energy
- Strategy 3: Solar PV

Meet CEP Goals

The Project

- Investment-grade business plan
- Renovate 80% of the homes in Newmarket (~1500/yr) by 2031
- Increase their efficiency by 30% to 50%



The Project: Timeline

2018					2019								
A	S	O	N	D	J	F	M	A	M	J	J	A	S

Analytical Process

Update Town CEP Data / Report

Engagement (SAG Focus)

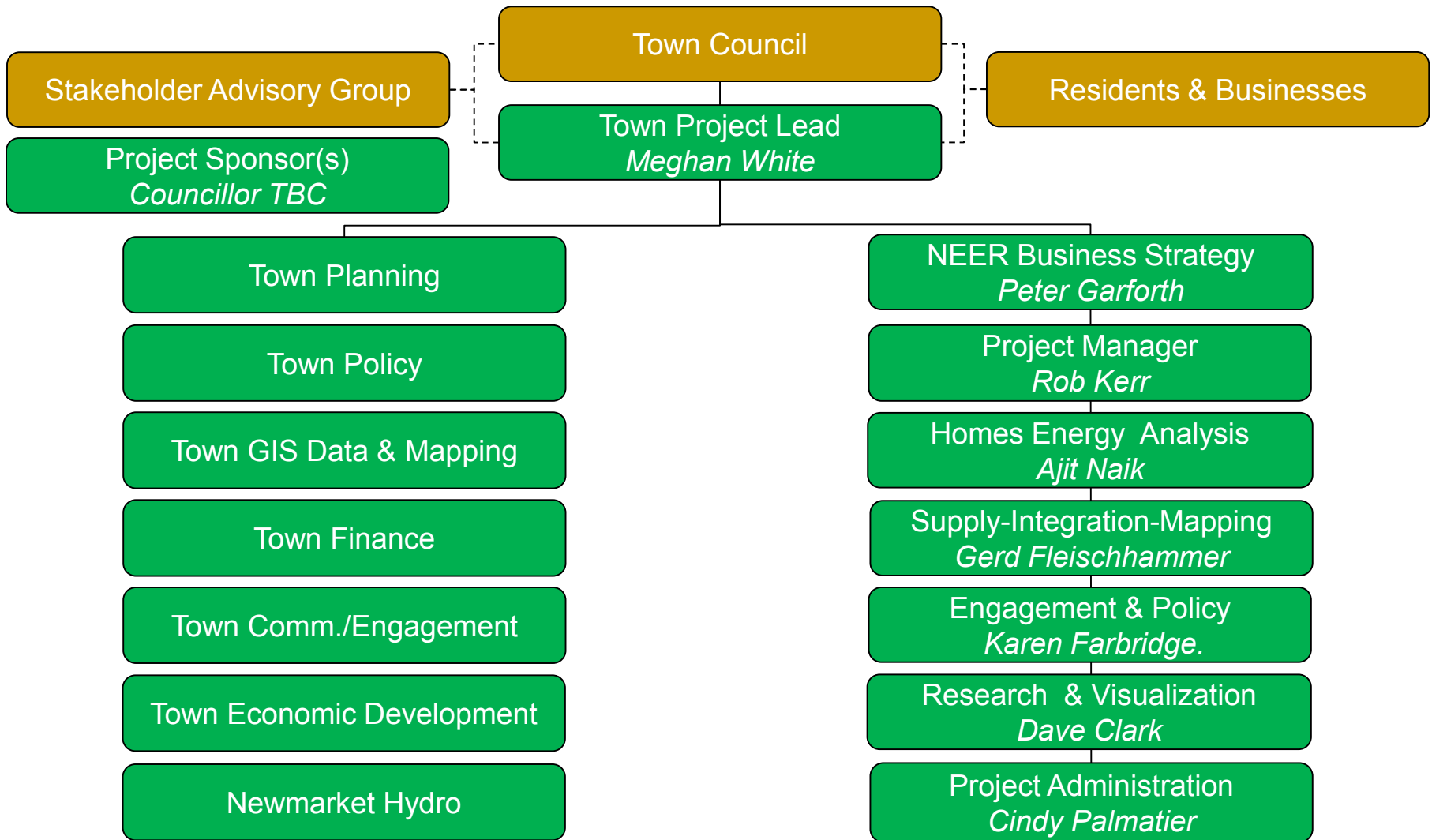
Engagement (Public & Networks)

Finalization

Council Consideration

Project Completion September 2019

The Project: Team





Community Engagement

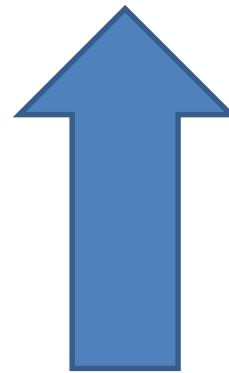
The Project: Summary

NEER

Newmarket Energy
Efficiency Retrofit Strategy



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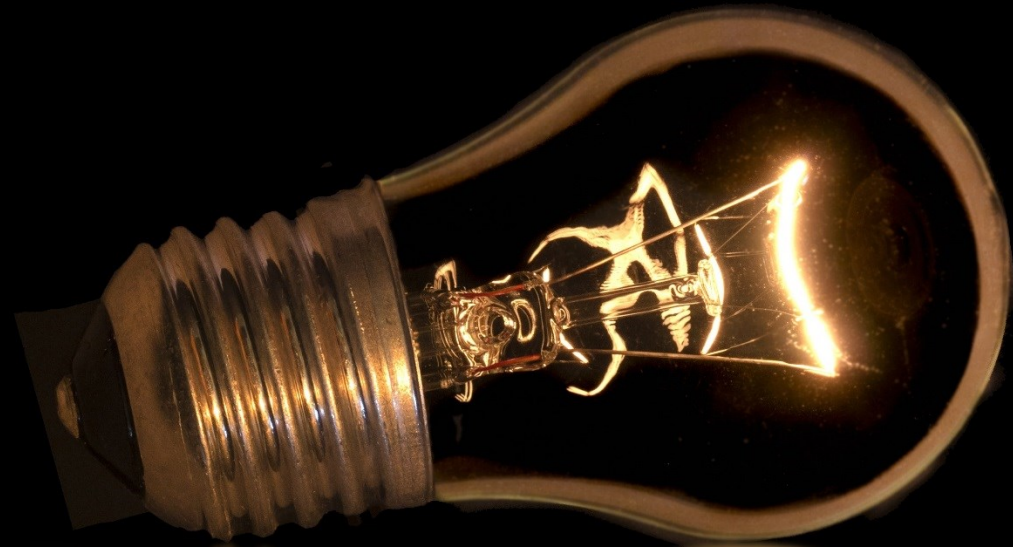


Jobs

And less GHG emissions
And more money for Newmarket families
And reduced energy usage
And more comfortable homes
And CEP targets achieved

The Project: Questions to be Answered

- “How and why will 80% of homeowners say “yes” to a home retrofit?”
- “How and why will contractors embrace a completely new way of doing efficiency retrofits?”
- “How and why will investors bring millions of long-term financing to home retrofits?”
- “If the R-NEER business case is solid for comprehensive home energy retrofits, why haven’t they happened already?”



Questions?

THANK YOU