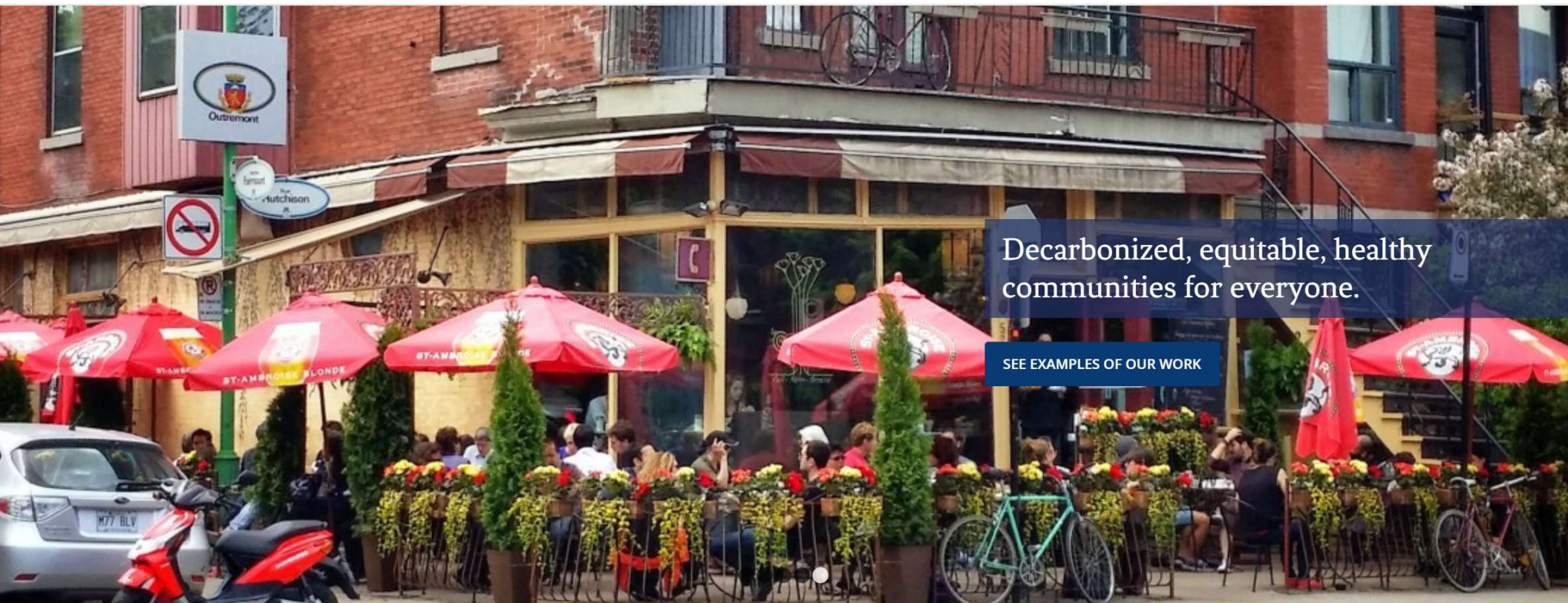




Community Energy & Emissions Plan

Community
Engagement #2



Decarbonized, equitable, healthy communities for everyone.

[SEE EXAMPLES OF OUR WORK](#)



SUSTAINABILITY SOLUTIONS GROUP

For over 15 years SSG has worked with cities, campuses and institutions to address their climate planning challenges.

Our award-winning projects create decarbonized, equitable, healthy cities for everyone.

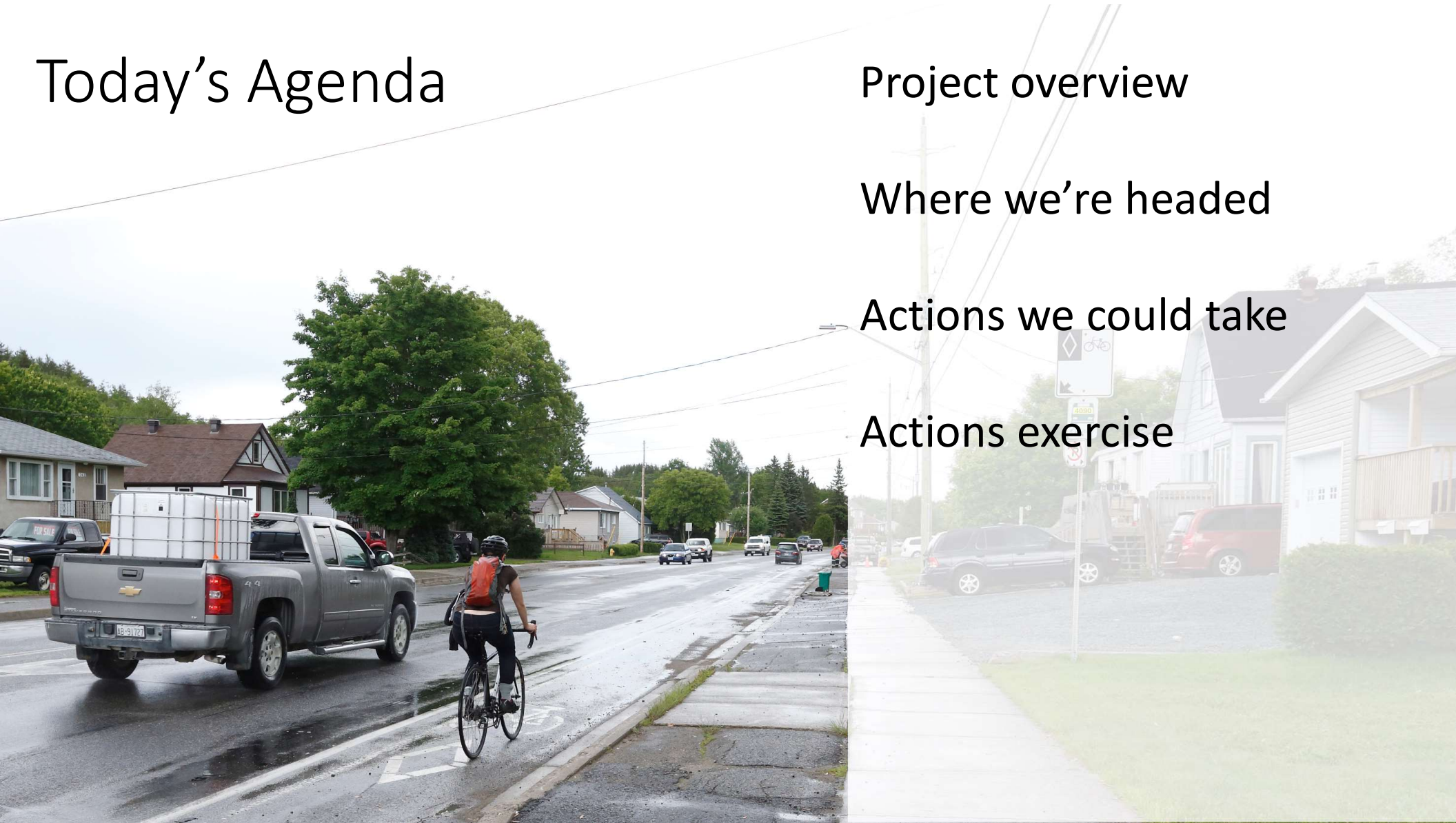
Today's Agenda

Project overview

Where we're headed

Actions we could take

Actions exercise



The Community Energy & Emissions Plan

1. Stakeholder Engagement
2. Energy Baseline and Energy Mapping Assessment
3. Future Scenario Development
4. CEEP Development



The Community Energy & Emissions Plan

Follows from

Strategic Energy Plan (1995)

International Cities for Climate Protection Program (1997)

Partners in Climate Protection Program (1995)

EarthCare Sudbury Action Plan (2000)

Efficient Sudbury campaign (2006)

80% emissions reduction by 2050 target

Community energy plan discussions led by GSU (2013-2015)

The Community Energy & Emissions Plan



Official Plan

Transportation Master Plan

Facilities Master Plan

Community Programs

Community Economic Development Strategic Plan

EarthCare Sudbury Action Plan

Wastewater Master Plan

The Community Energy & Emissions Plan

Low Carbon

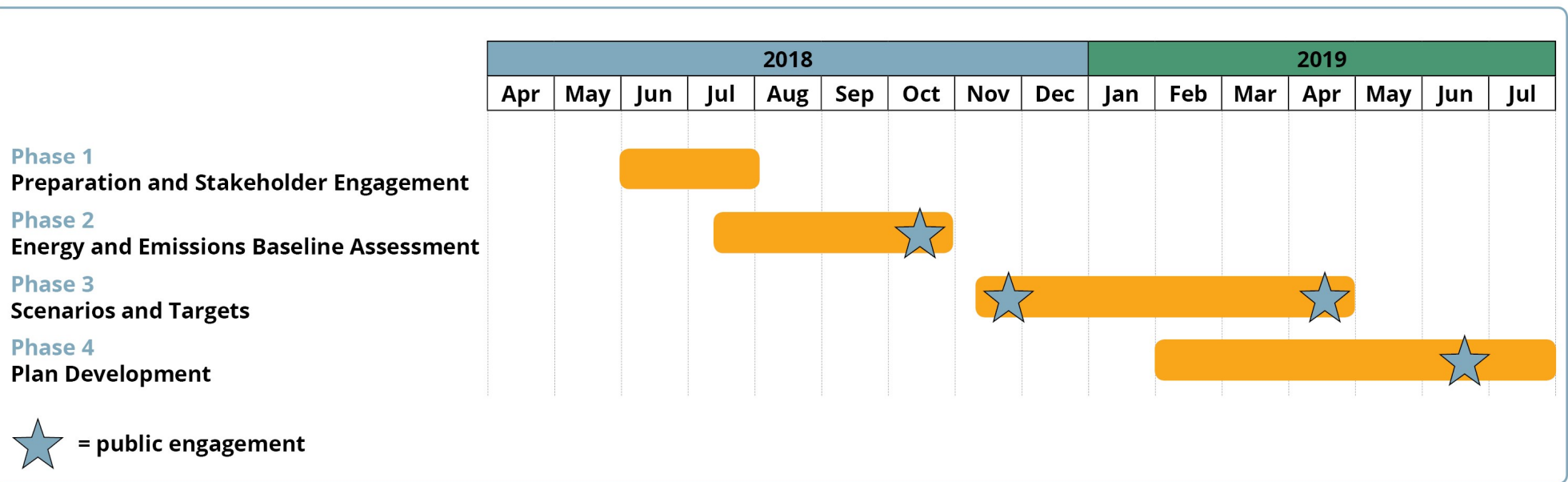
Reduced Energy

Energy Costs

Quality of Life



Project Timeline



Today's Goals

Review Greater Sudbury's
energy future

Review alternatives

Determine how actions can
happen





1 million Gigajoules (278 megawatt hours) =

20,631



passenger
vehicles

or

28,571,429



litres of gasoline
consumed

or

883



tanker trucks'
worth of gasoline

or

9,813



homes' energy
use for one year

or

24,211



homes' electricity
use for one year

or

159,478



barrels of oil
consumed

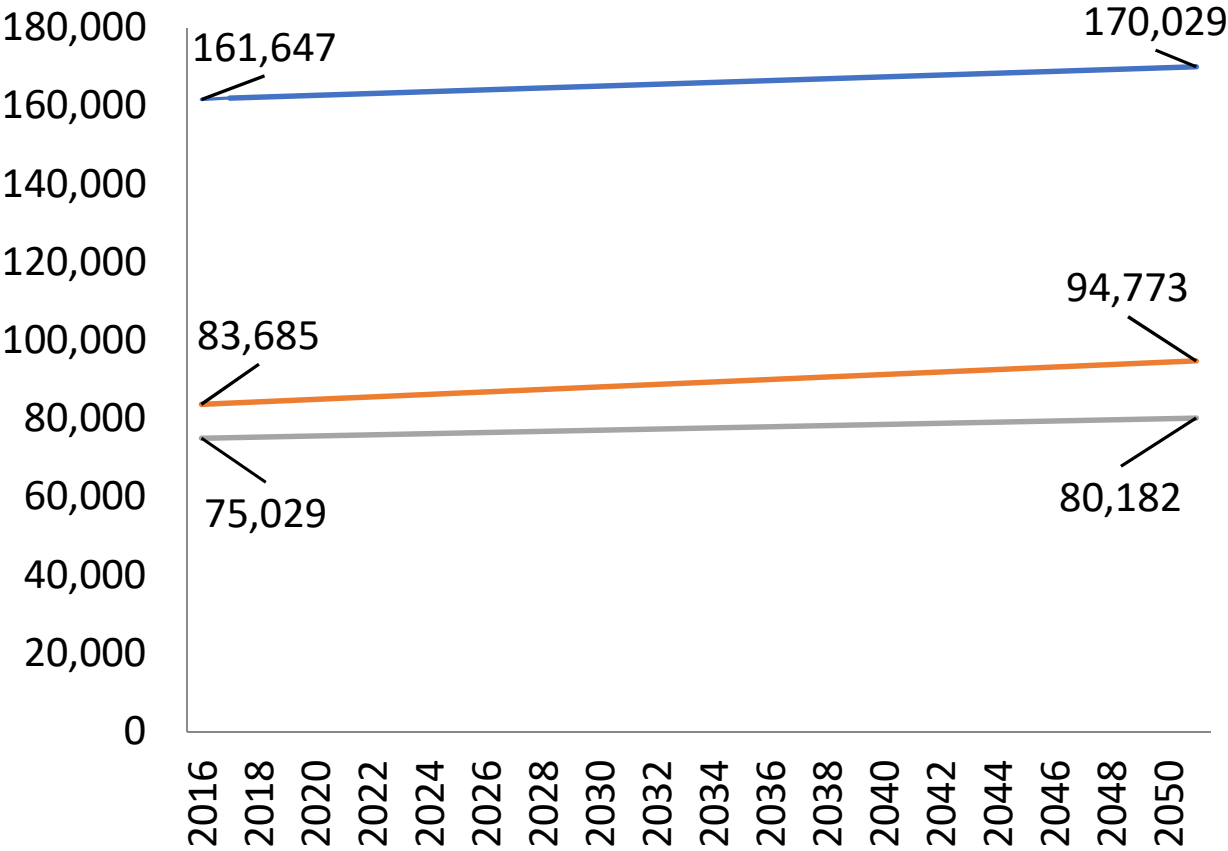
or

2,500,000



propane cylinders
used for home
barbeques

Greater Sudbury 2050

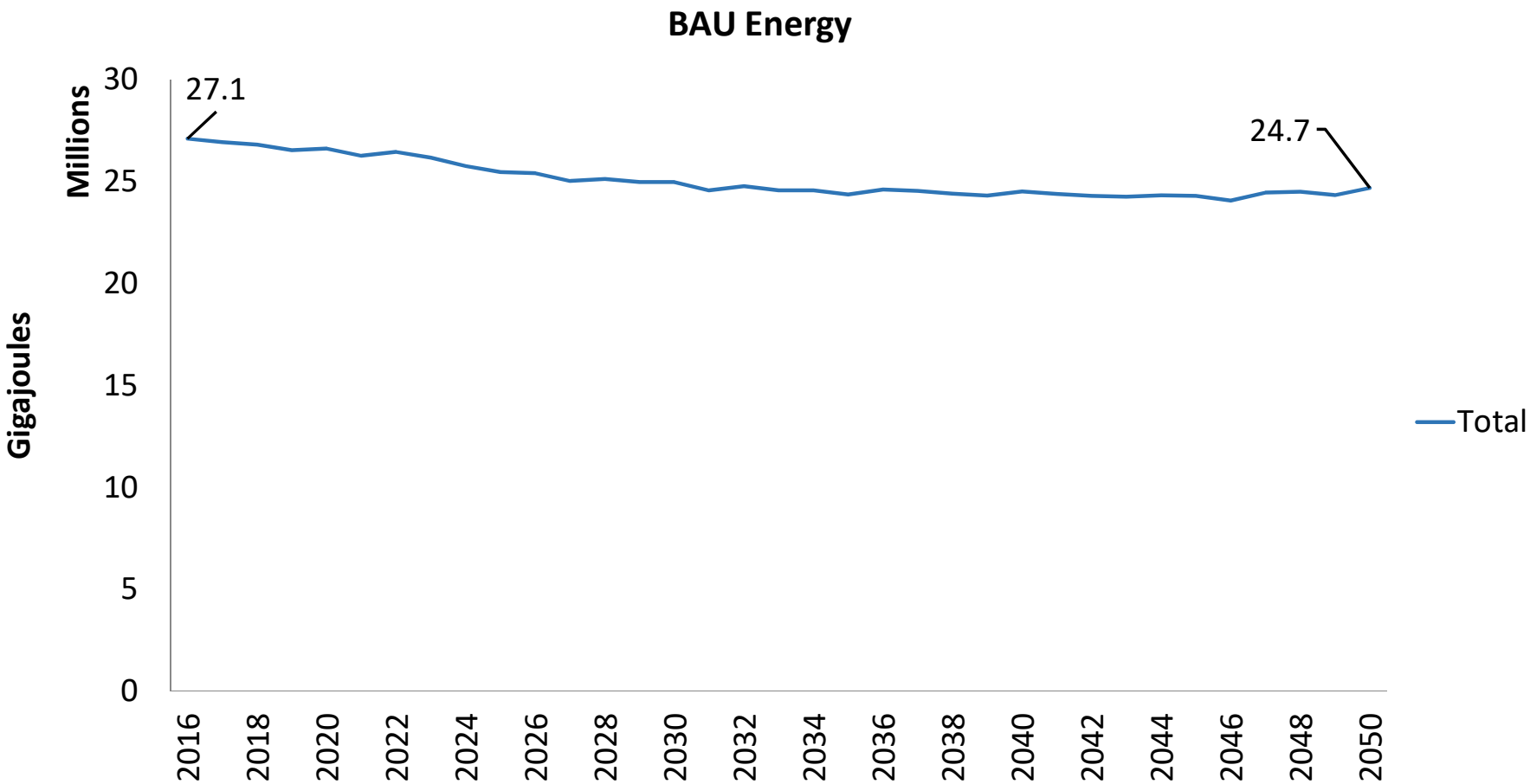


Population +8,383

Employment +11,088

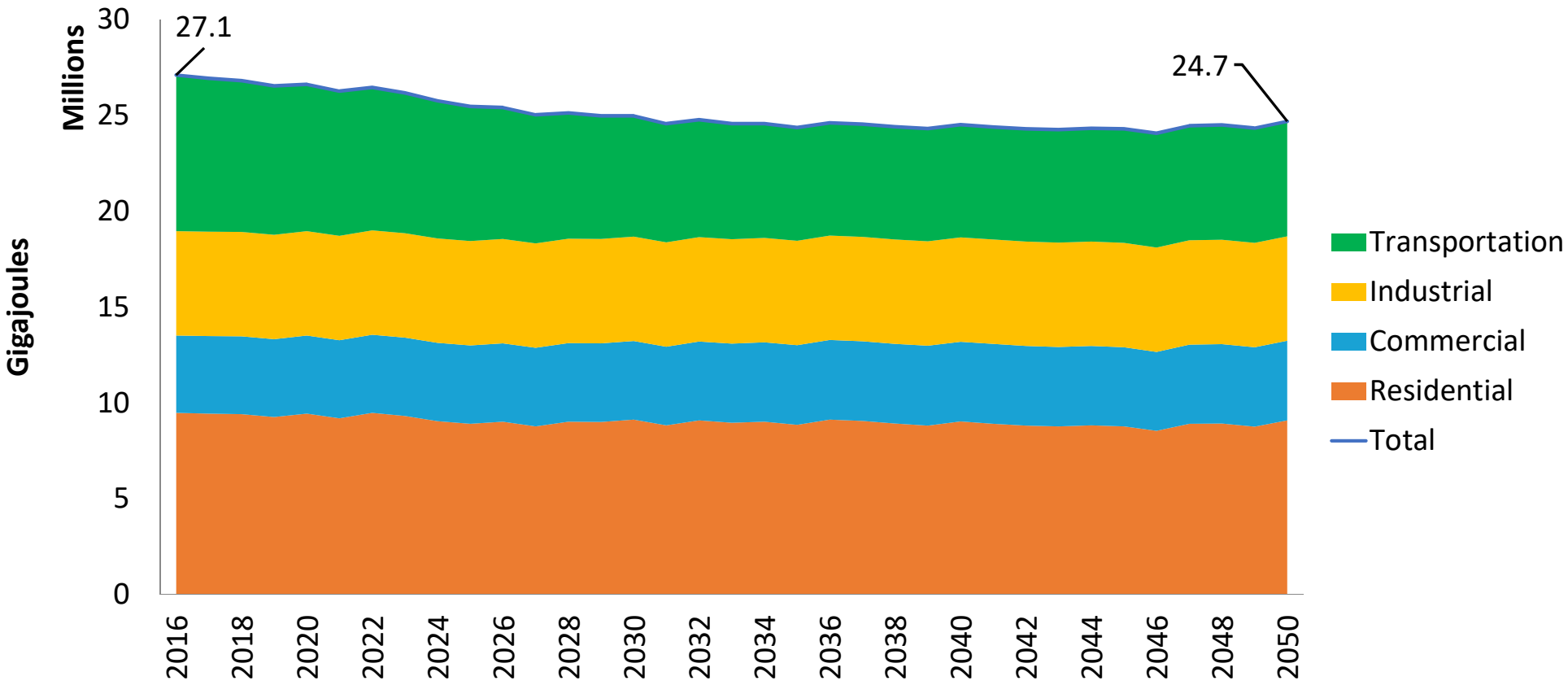
Homes +5,153

Greater Sudbury 2050



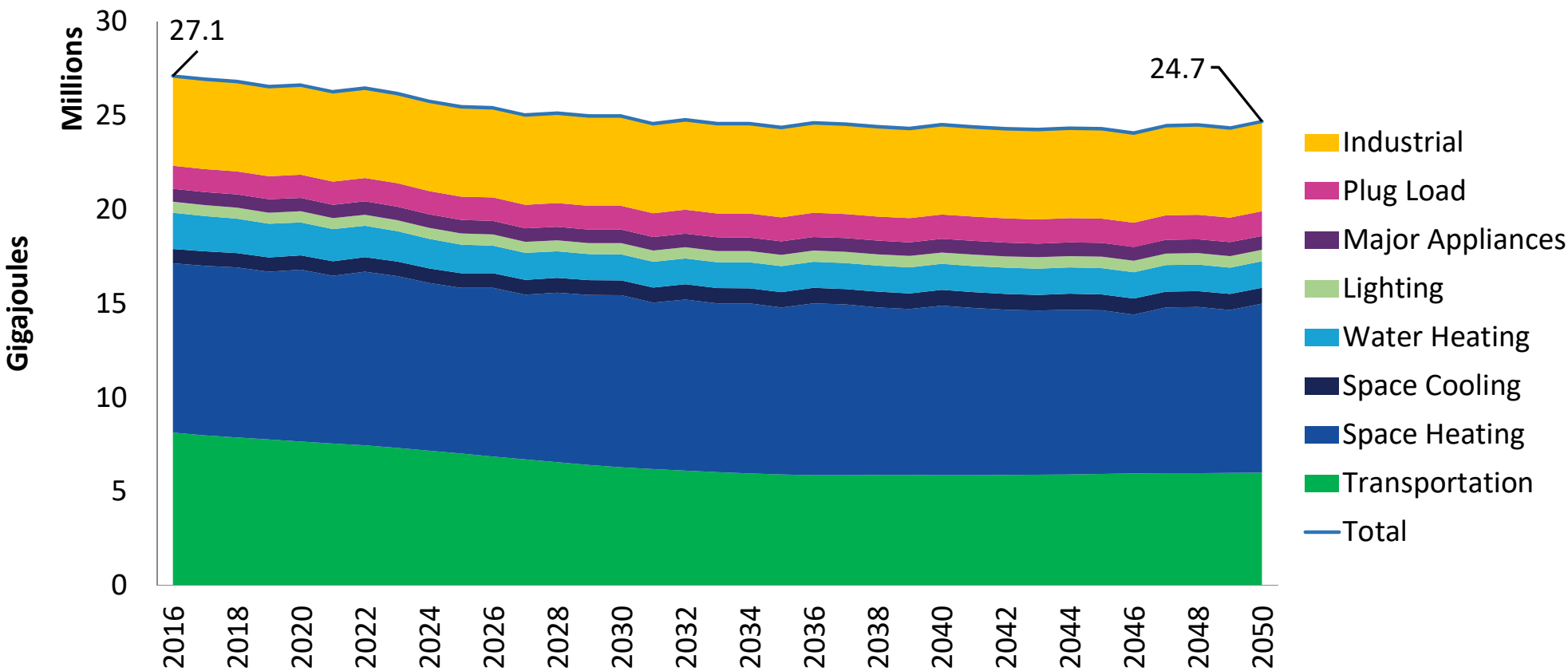
Greater Sudbury 2050

BAU Energy by Sector



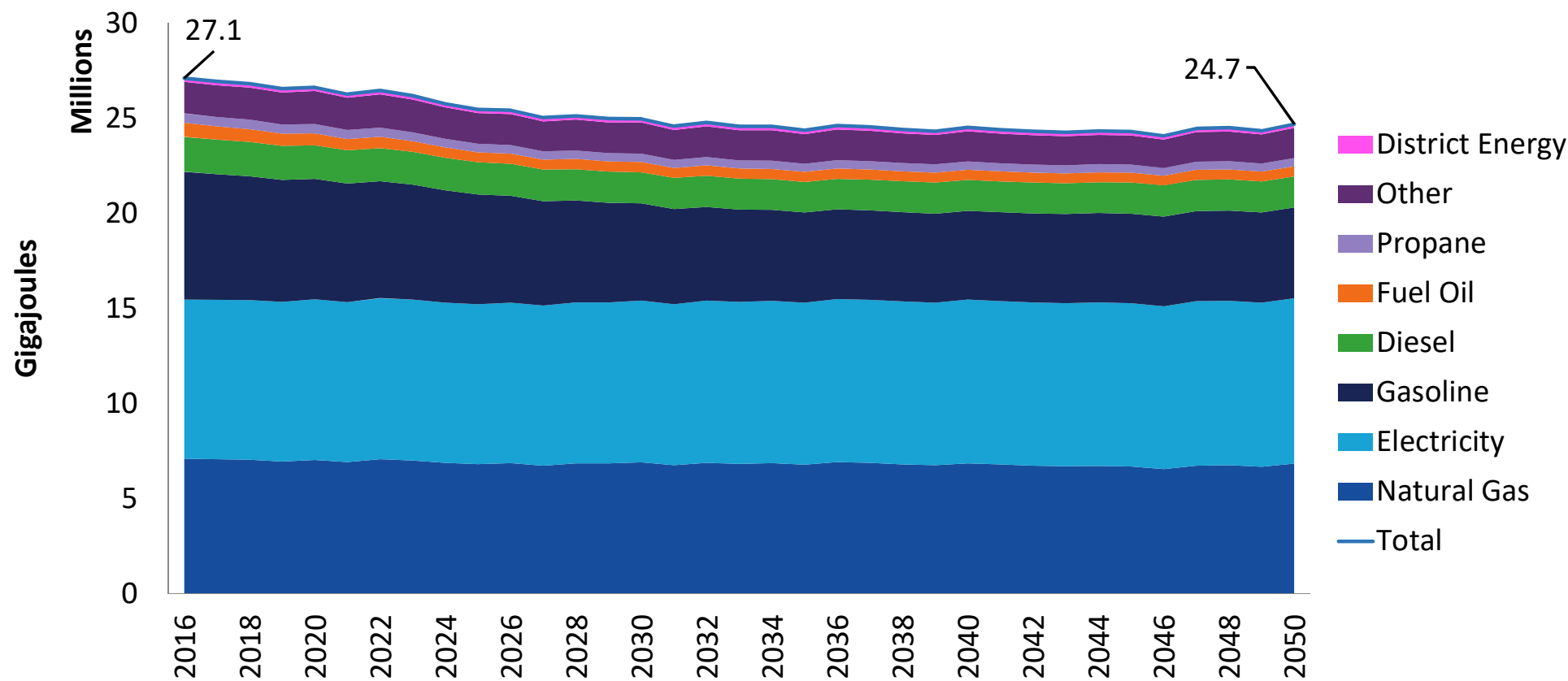
Greater Sudbury 2050

BAU Energy by End Use



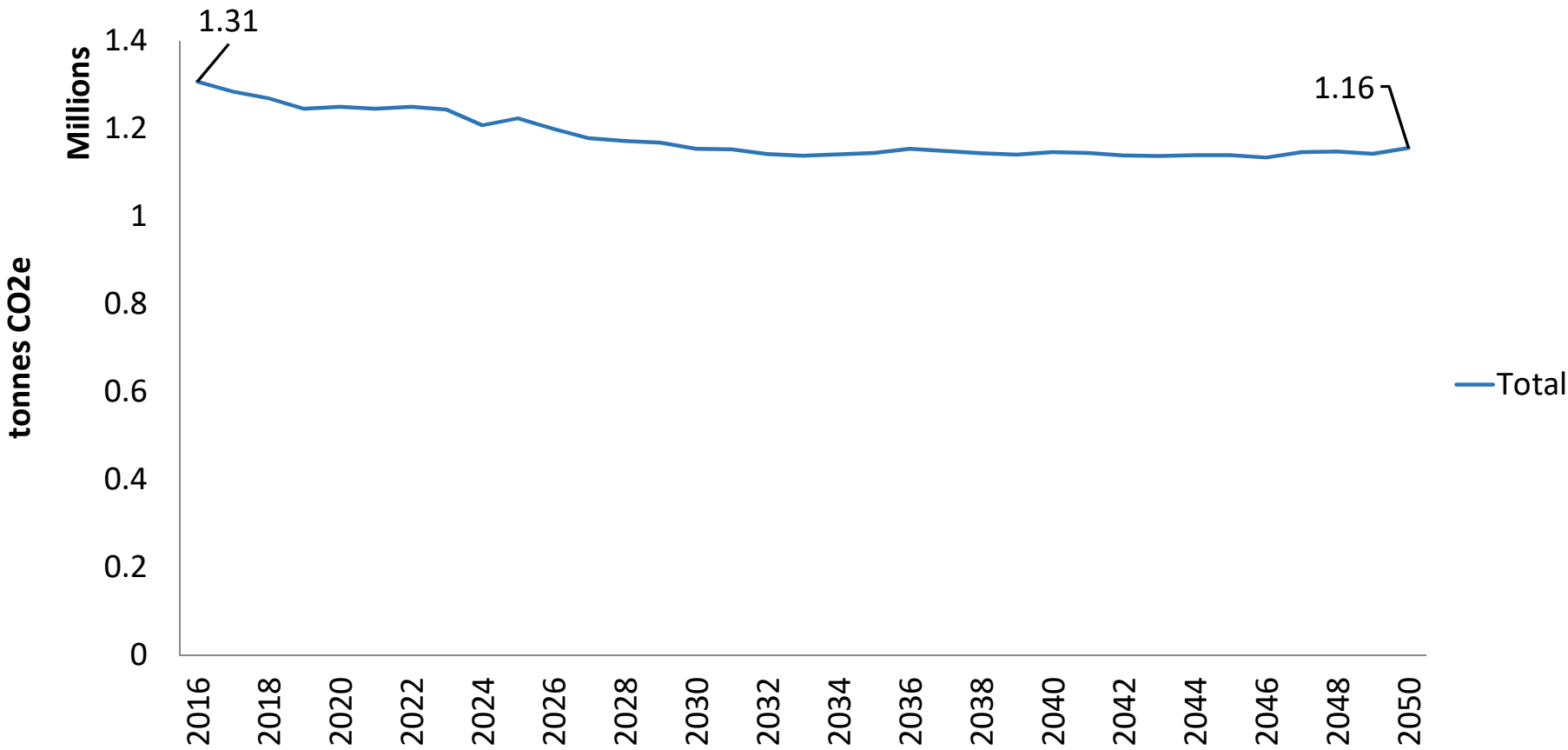
Greater Sudbury 2050

BAU Energy by Fuel Source



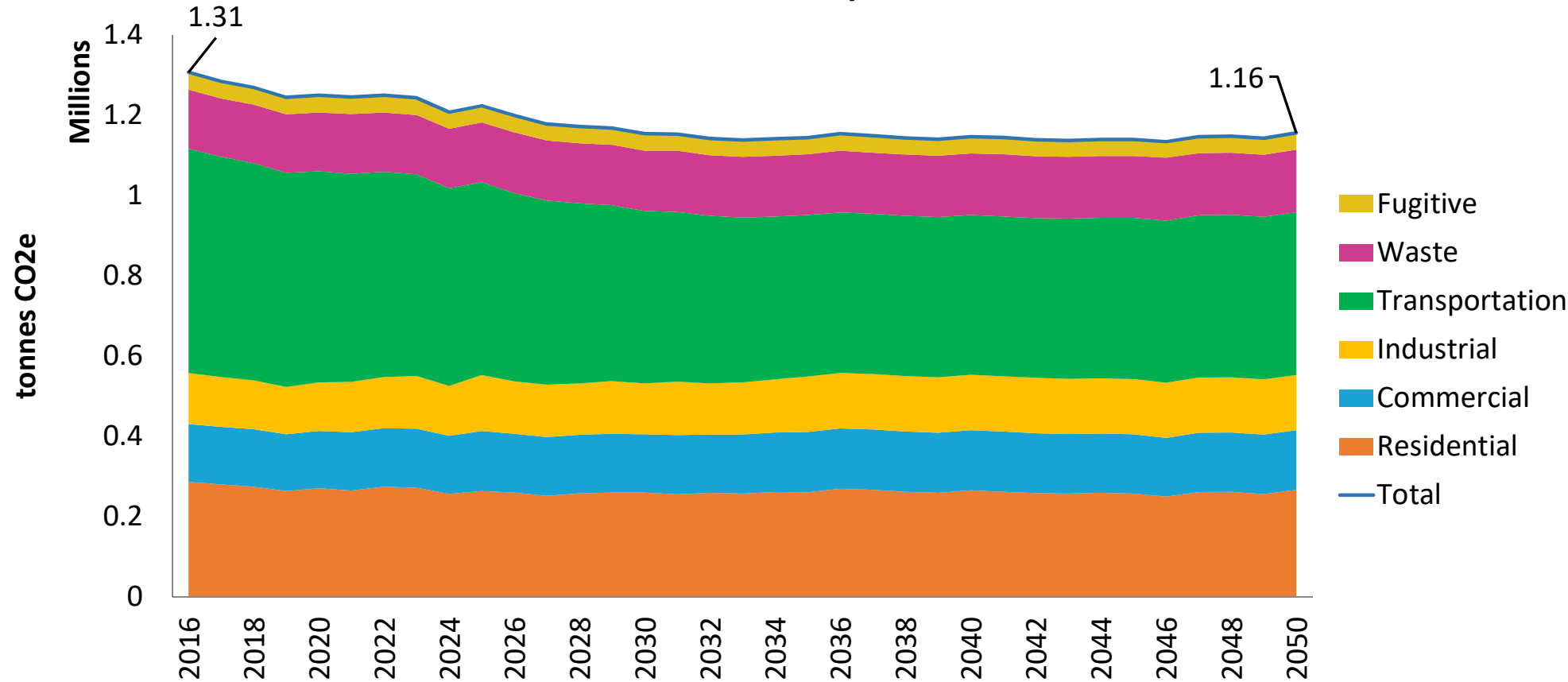
Greater Sudbury 2050

BAU Emissions



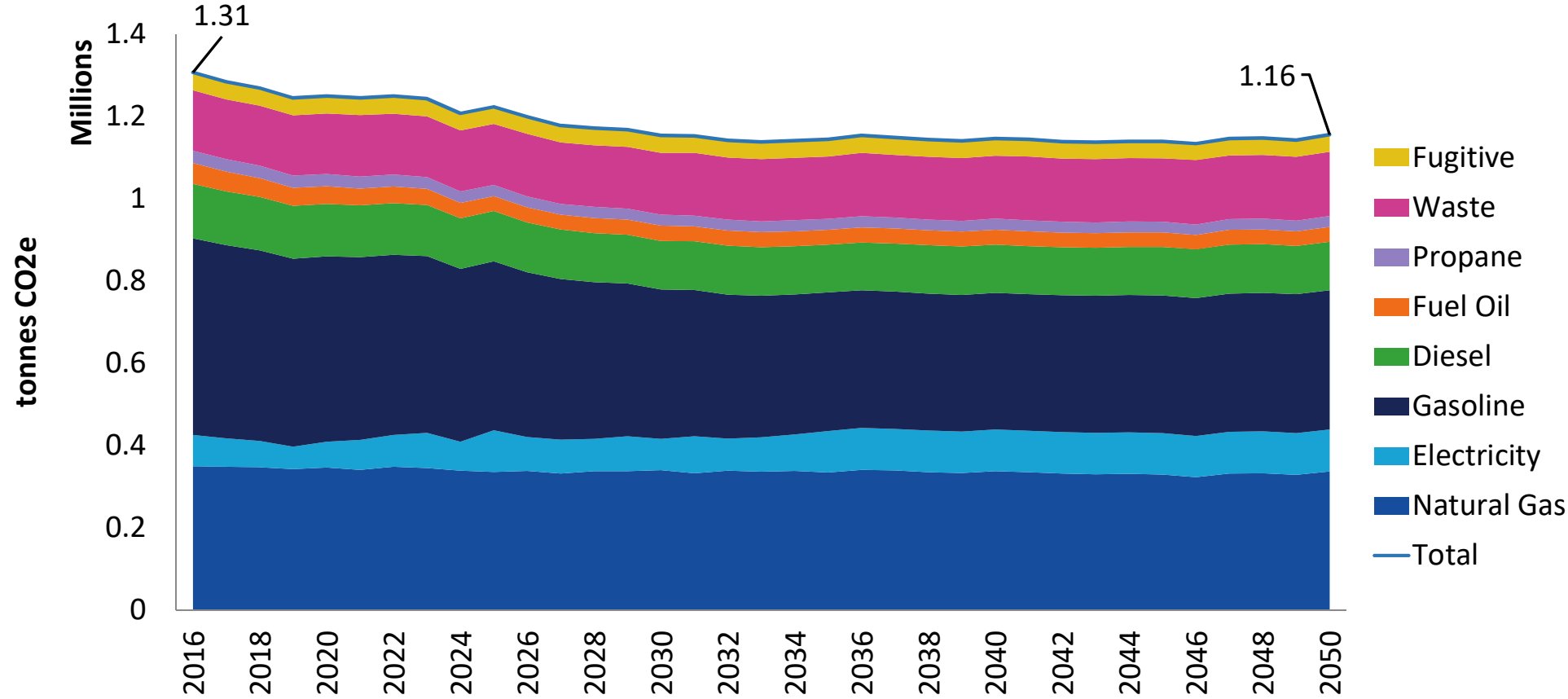
Greater Sudbury 2050

BAU Emissions by Sector

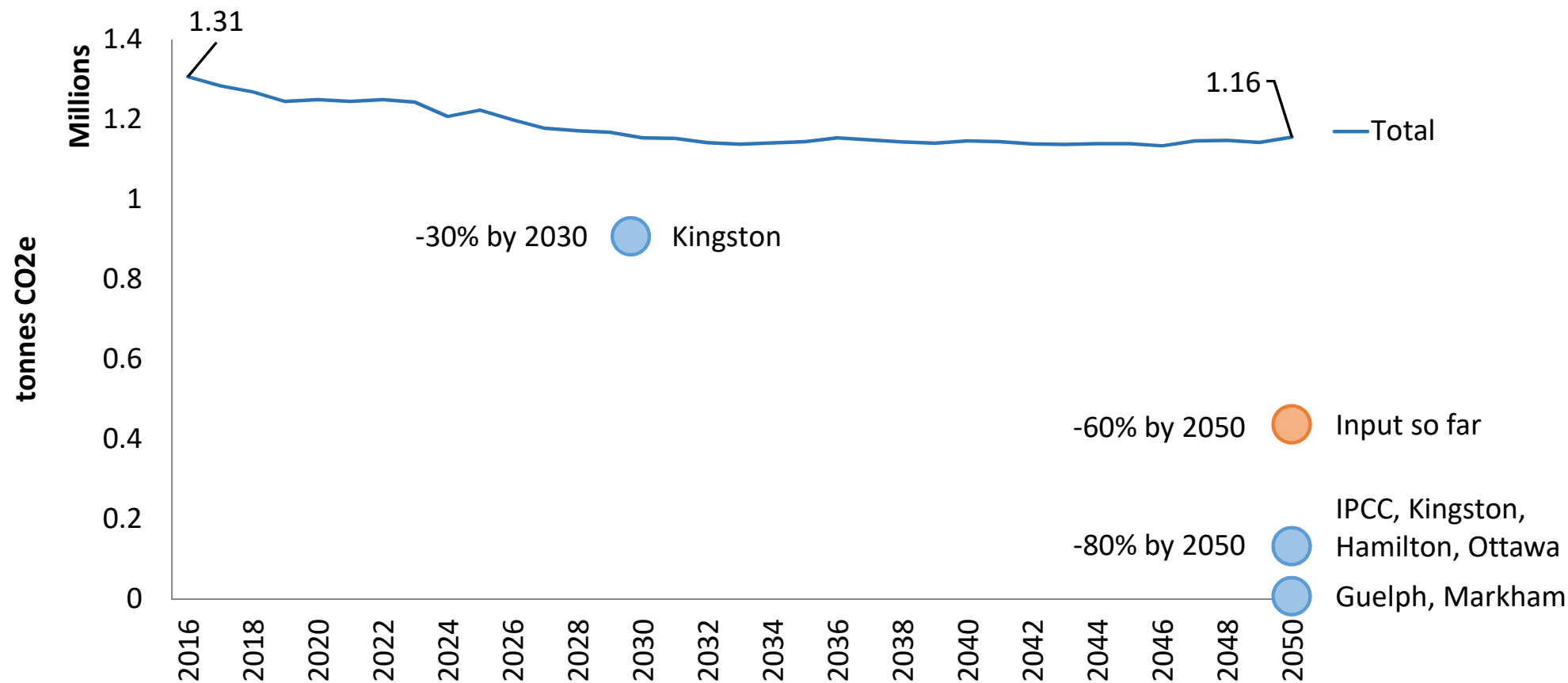


Greater Sudbury 2050

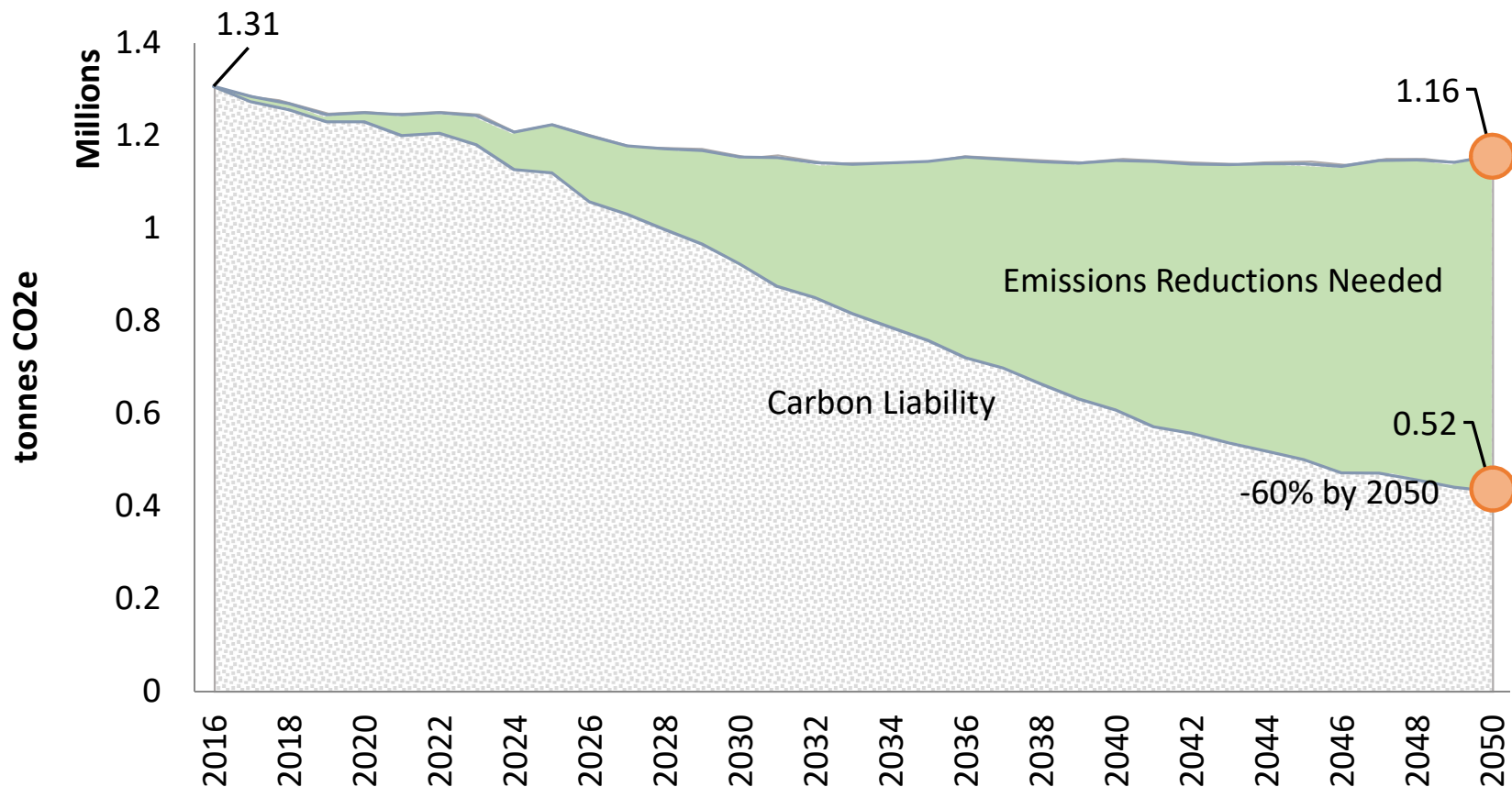
BAU Emissions by Fuel Type



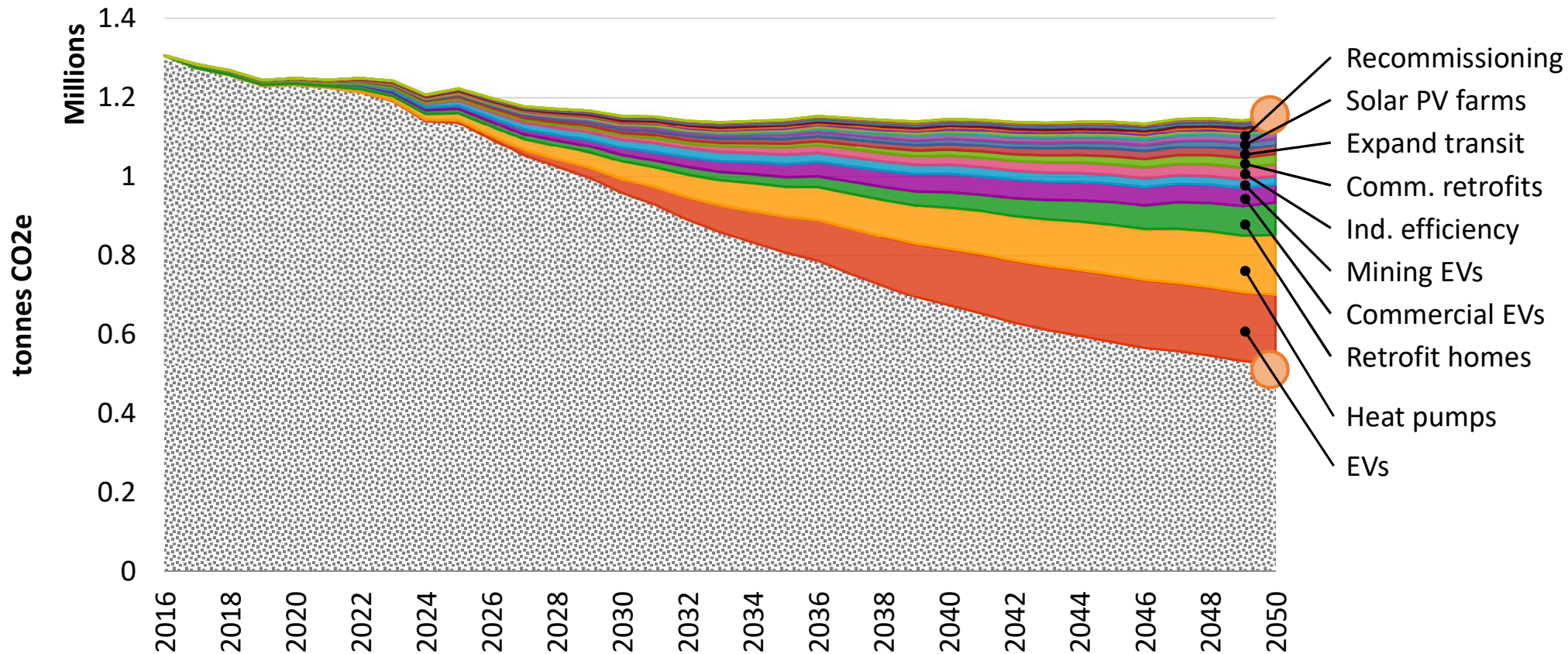
Ontario Municipal Emissions Targets



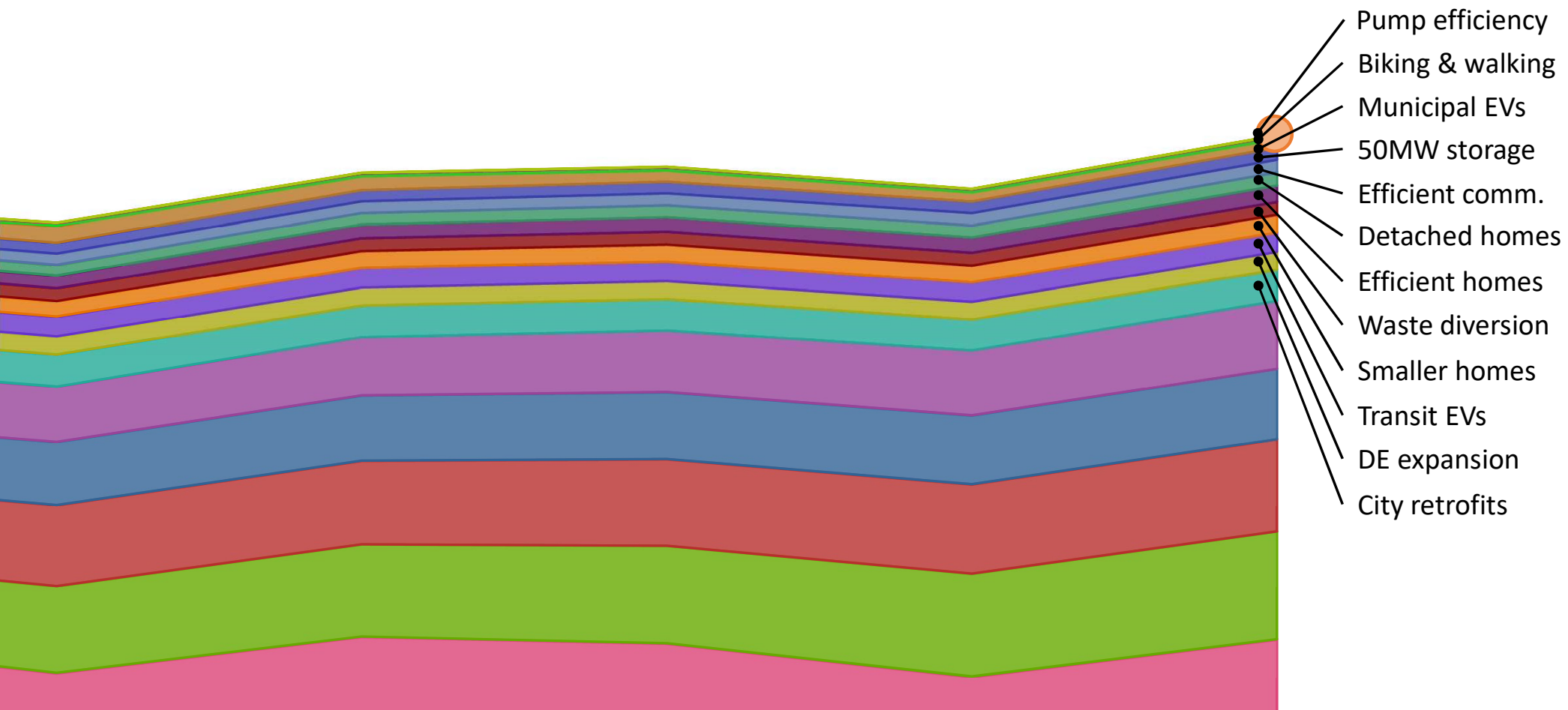
Reaching the Target



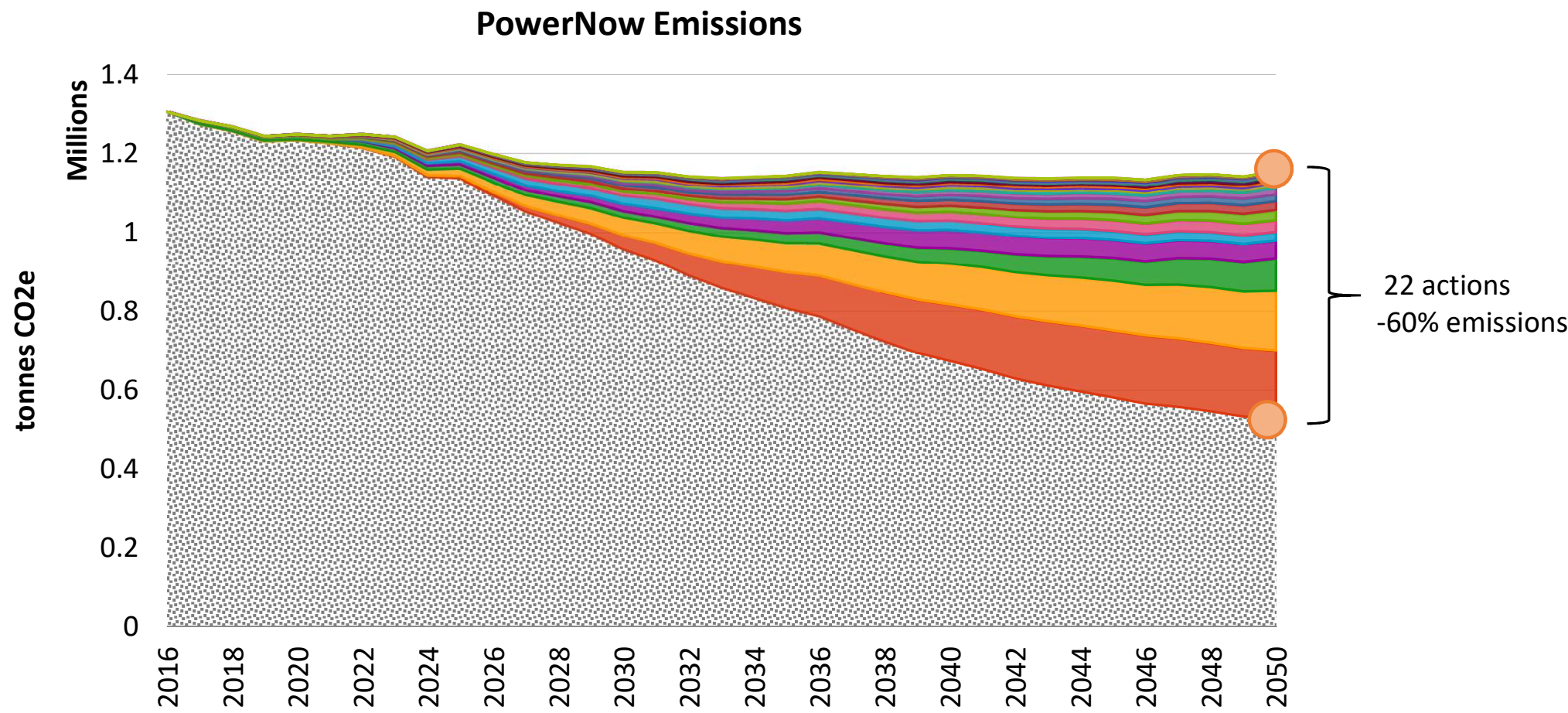
Reaching the Target



Reaching the Target

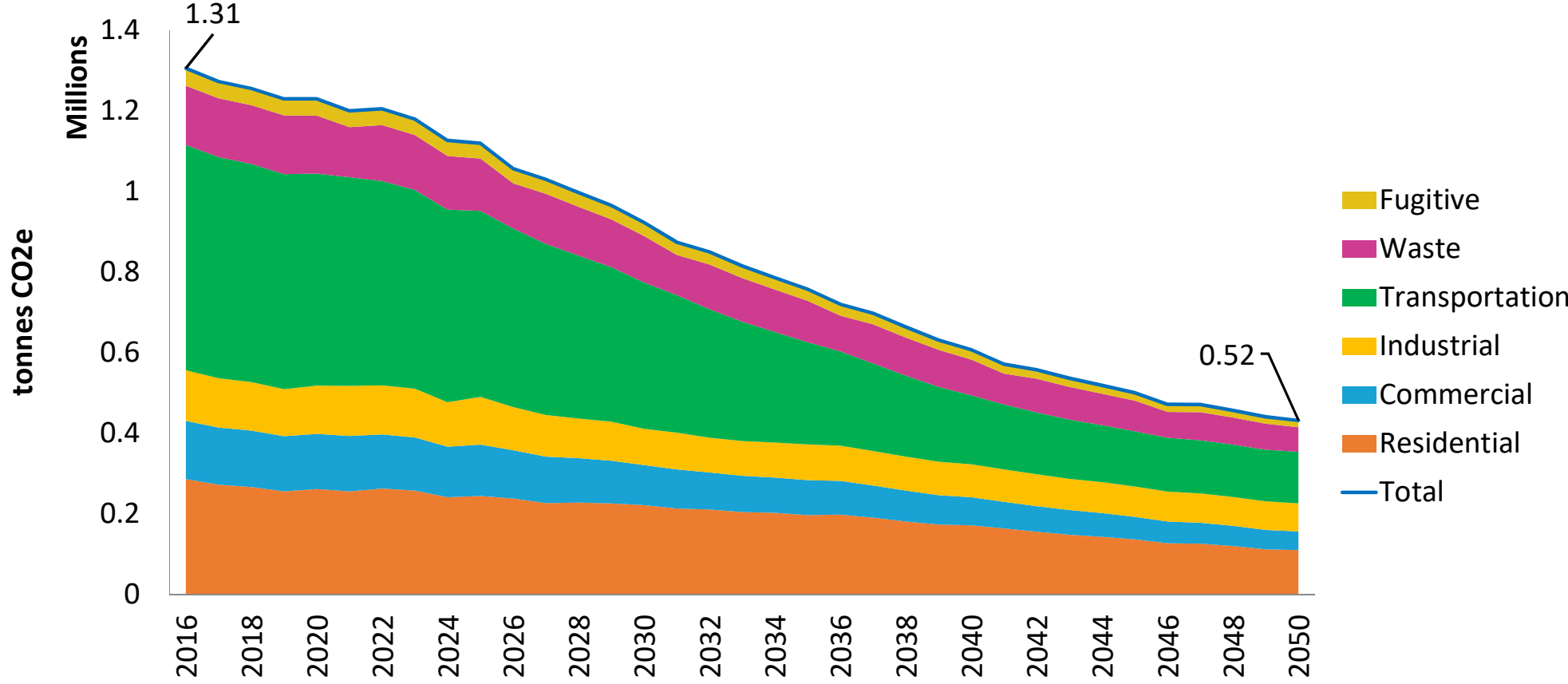


Reaching the Target



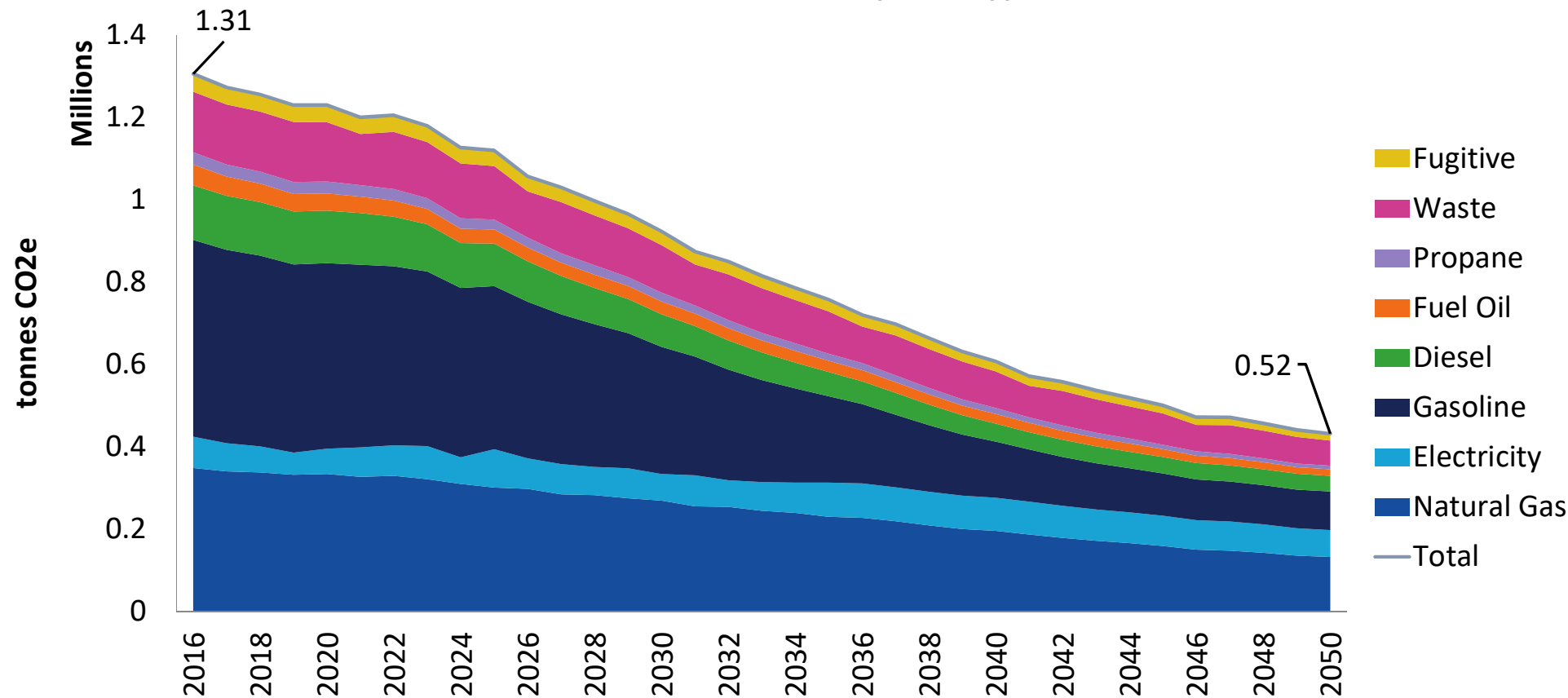
Reaching the Target

PowerNow Emissions by Sector

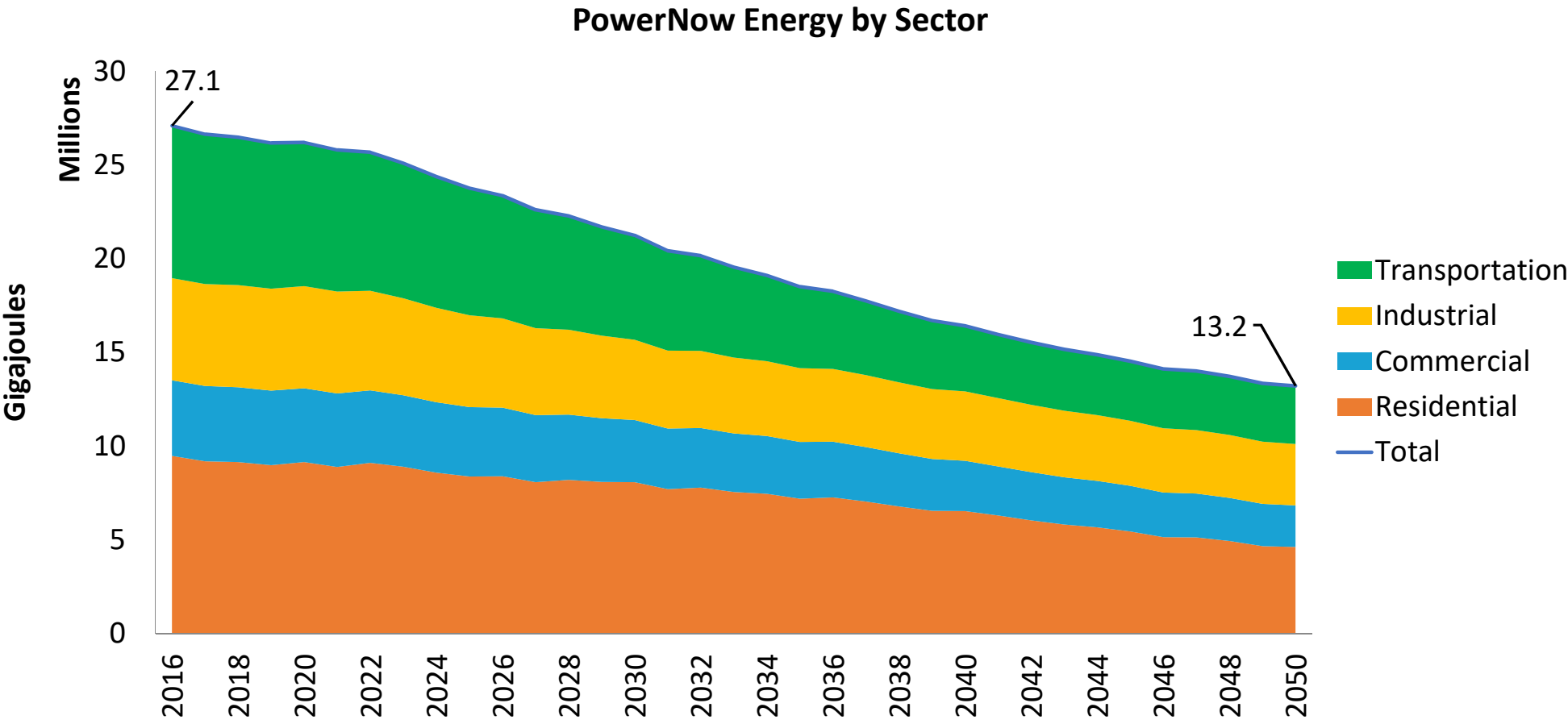


Reaching the Target

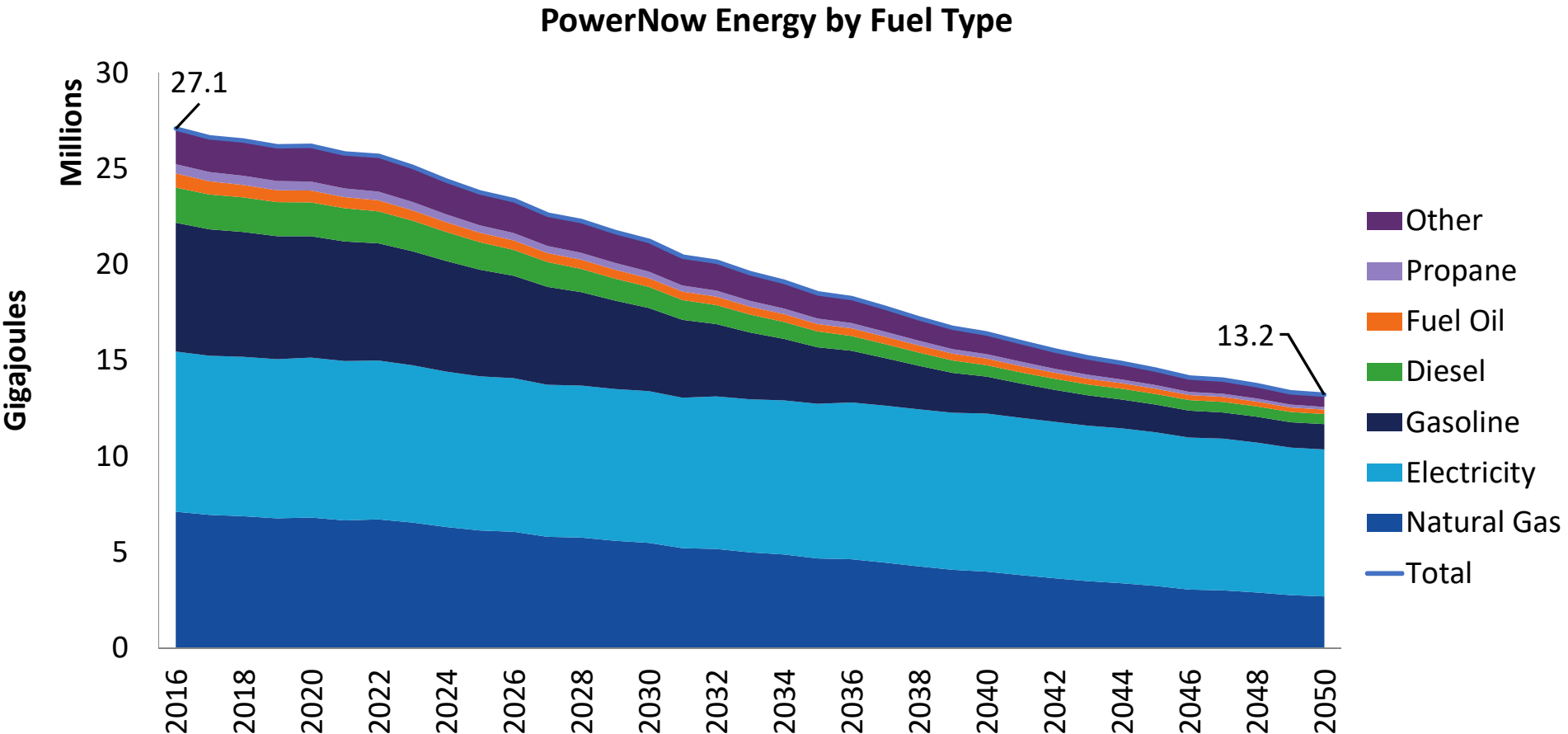
PowerNow Emissions by Fuel Type



Reaching the Target



Reaching the Target



Group Exercise: Part 1



What will it take?

Action Title	Description		
Priority	Low	Medium	High
Ambition	Too Low	About Right	Too High
Potential Partners	Priority Places to Implement	Opportunities and Precedents	Potential Challenges

Group Exercise: Part 2



Additional Insights

Action Title	Description		
Priority	Low	Medium	High
Ambition	Too Low	About Right	Too High
Potential Partners	Priority Places to Implement	Opportunities and Precedents	Potential Challenges

Next Steps

Complete actions modelling

Develop recommendations

Produce the CEEP





POWER[↑]**NOW**
GREATER SUDBURY
Our energy future.   

Over To You