

# LSRCA Carbon Reduction Strategy: *Progress update*

Board of Directors

October 30, 2020

Ben Longstaff, GM, Integrated Watershed  
Management

Phil Davies, Manager, Forestry and  
Greenspace Services



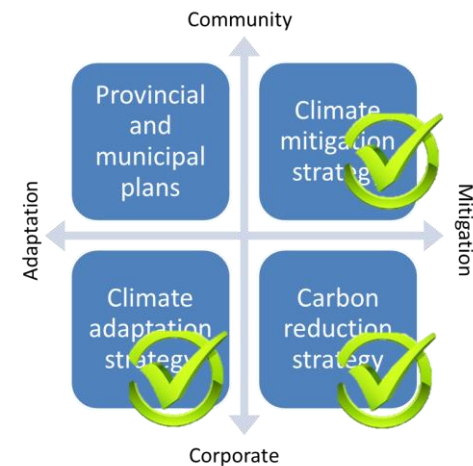
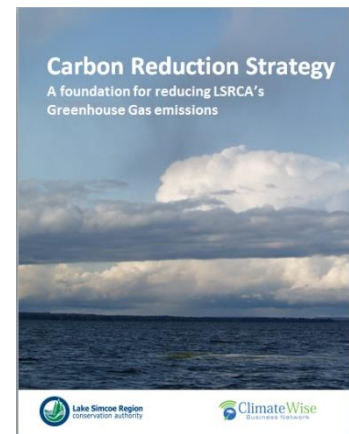
**Lake Simcoe Region**  
conservation authority



Member of Conservation Ontario

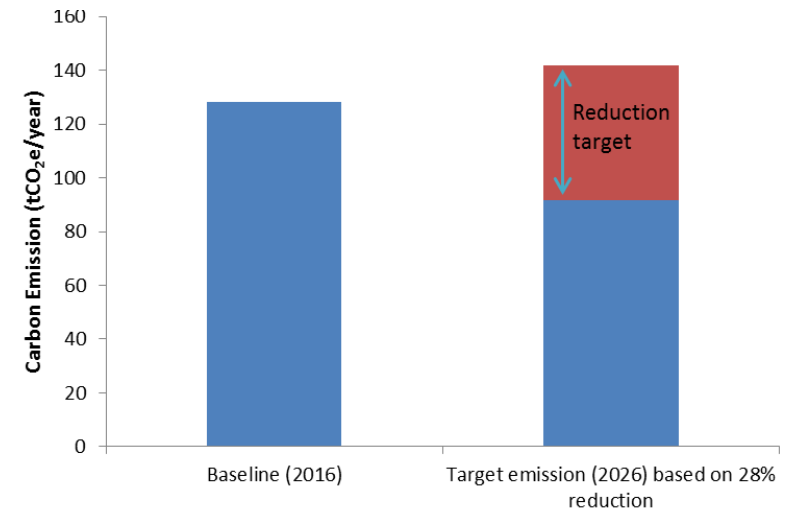
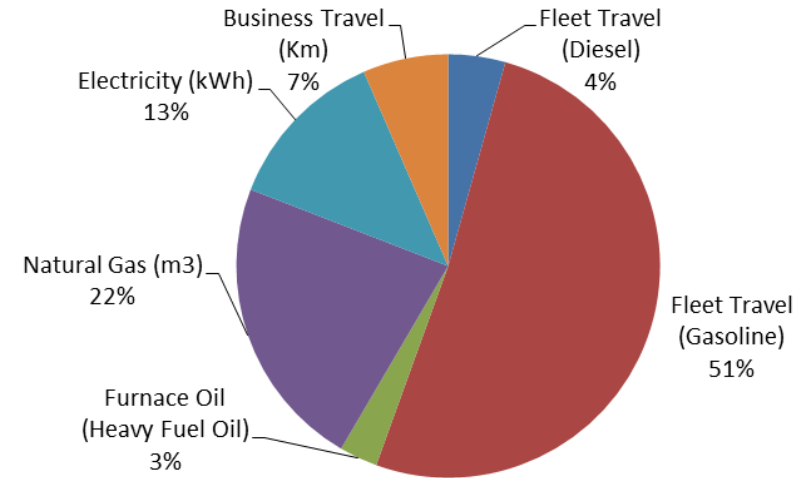
# Carbon Reduction Strategy

- Strategic Plan priority
- Approved in 2018
- Completed in partnership with ClimateWise / Windfall Ecology
- Award winning
- One of 3 Climate Change related strategies recently completed



# Carbon Reduction Strategy continued

- Baseline (2016) emissions established
- Opportunities to reduce emissions identified
- Reduction target set – 28% by 2026
- Fleet travel greatest opportunity to achieve our target

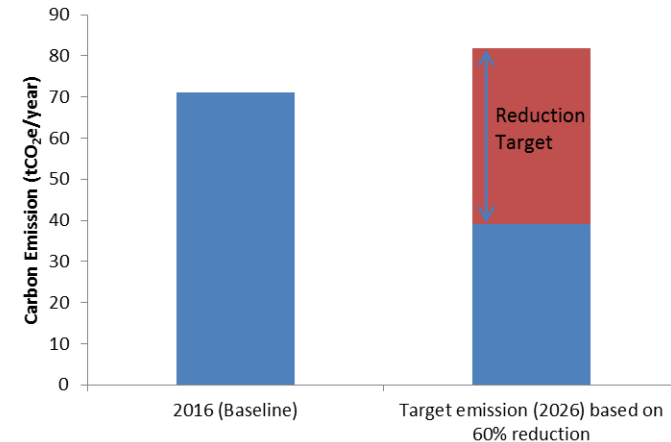


# Fleet vehicle

## Opportunities

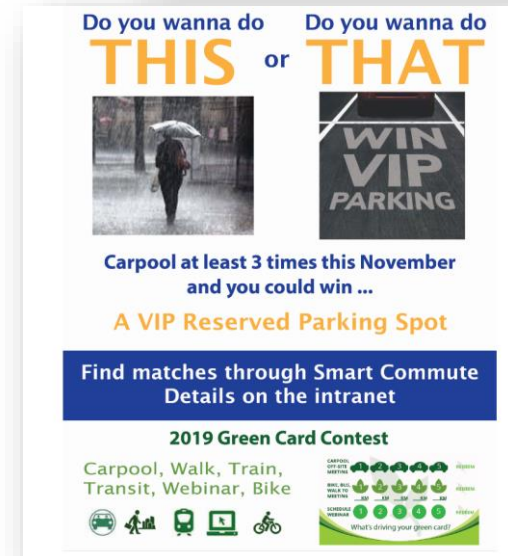
- Facilities & Assets
  - Fleet replacement strategy (right sized, right class, fuel efficiency)
- Behavioral
  - E.g. promote reduced trips, reduced single occupancy, right vehicle, transit
- Potential financial implications
  - Relatively minor when considering lifetime costs such as fuel savings

2026 Target: 60% reduction



# Behavioral Change

- Green Card Campaign
- Goals:
  - Lasting change in staff behavior that reduces vehicle use
- Promoted
  - Carpooling
  - Use of Electric Vehicle
  - Webinars over in person
- Track progress on green card for chance to win a prize





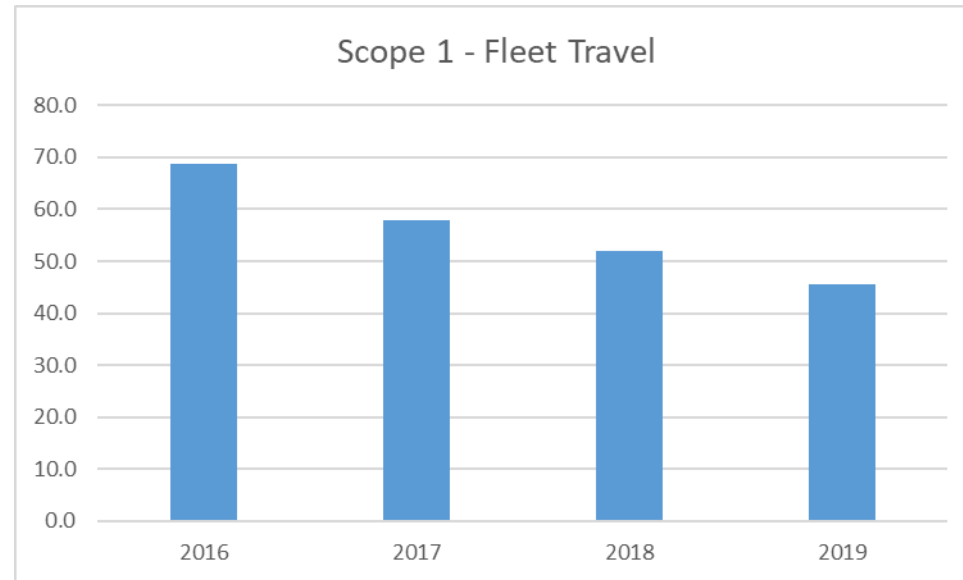
# Greening the Fleet

- Passenger car replacements
  - Electric (EV) & Plug-In Hybrid (PHEV) Vehicles
  - Site visits, education outreach & meetings
- Charging stations
  - Administrative Offices & Operations Centre
- Influencing behaviour
  - Opportunity to test technologies
  - Encourage employee purchases



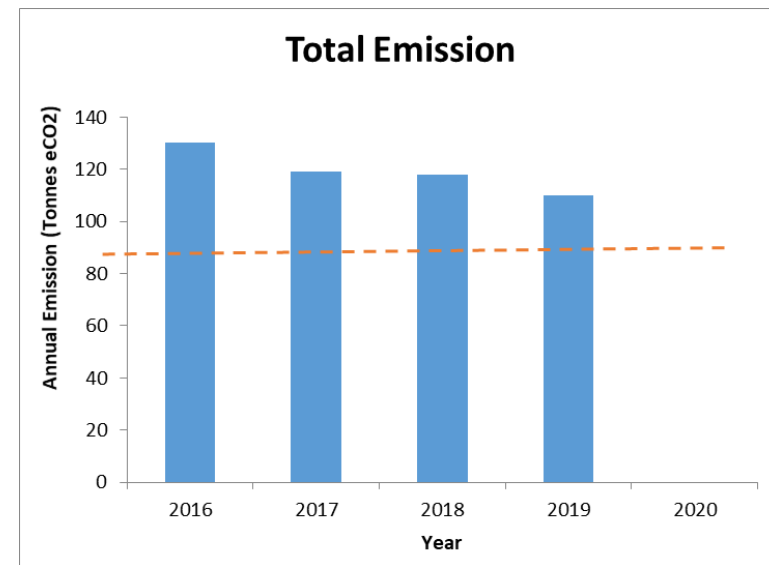
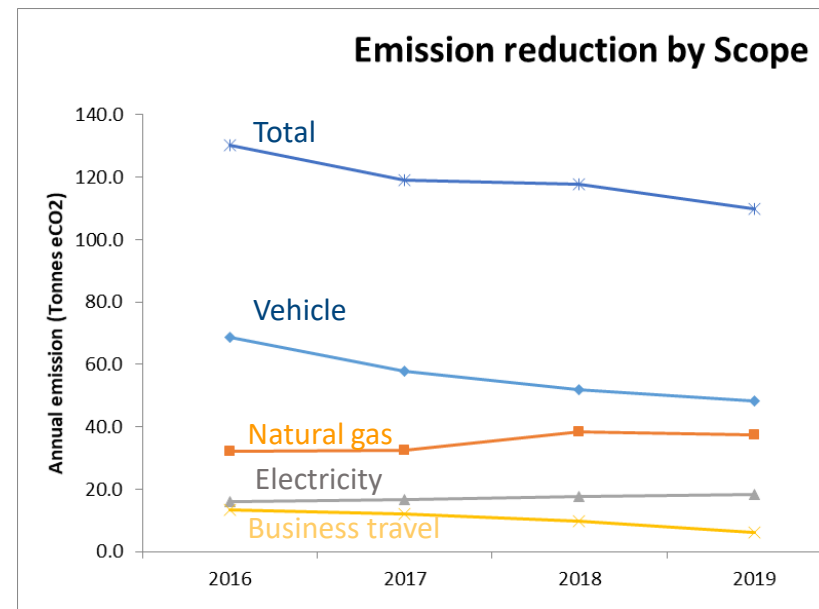
# Fleet vehicle emission reductions

- Reduced from 69 to 48 tonne/yr
- 30% reduction
- Continued reduction
  - As remaining vehicles replaced (e.g. monitoring trucks right sized)
  - Reduced use of vehicle use – online meetings



# Total emission reduction

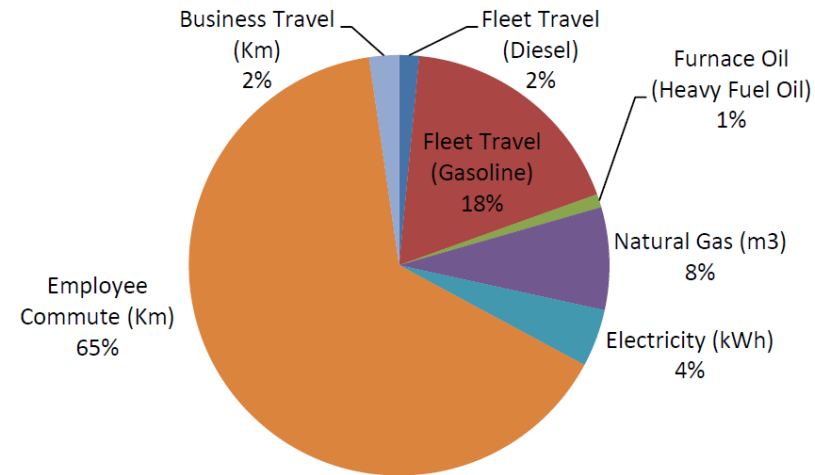
- Other trends:
  - Reduction in business travel
  - Increase in natural gas/heating oil
- 20 Tonne / 16% reduction (over halfway to our target)
- Solar panels continue to perform and generate revenue as projected
- COVID-19 will lead to further corporate reductions



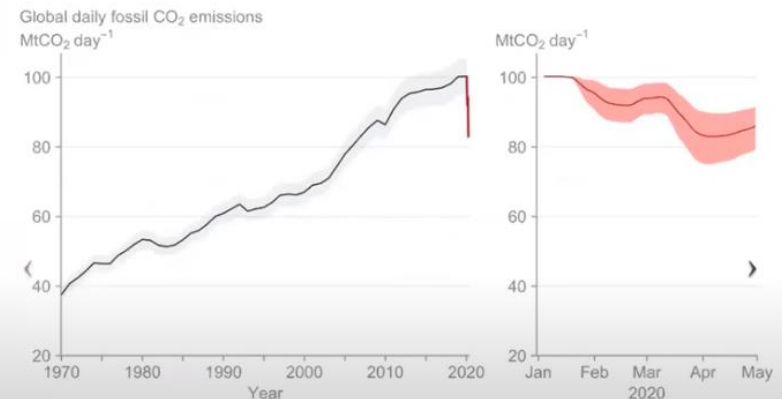


# One positive aspect of the pandemic

- Reduced employee commute (~236 tCO<sub>2</sub>e/year)
- Reduced business travel – meetings, workshops etc.
- Less natural gas and electricity use?
- But potential increase in home emissions
- Lessons and behavior change need to extend beyond pandemic for lasting change



Global emissions during COVID-19 lockdown



© Le Quéré et al. Nature Climate Change (2020); Global Carbon Project

[https://www.youtube.com/watch?v=dm\\_wcRMHg8U](https://www.youtube.com/watch?v=dm_wcRMHg8U)



# Reducing emissions at home

- SWITCH Committee  
“Green Theme Thursdays”
- Focus on “phantom power use”



Coming in October, Dave Lembcke gets you out of your chairs with a **Phantom Power Scavenger Hunt** on **October 29**.  
Win the greenest power bar on the market!



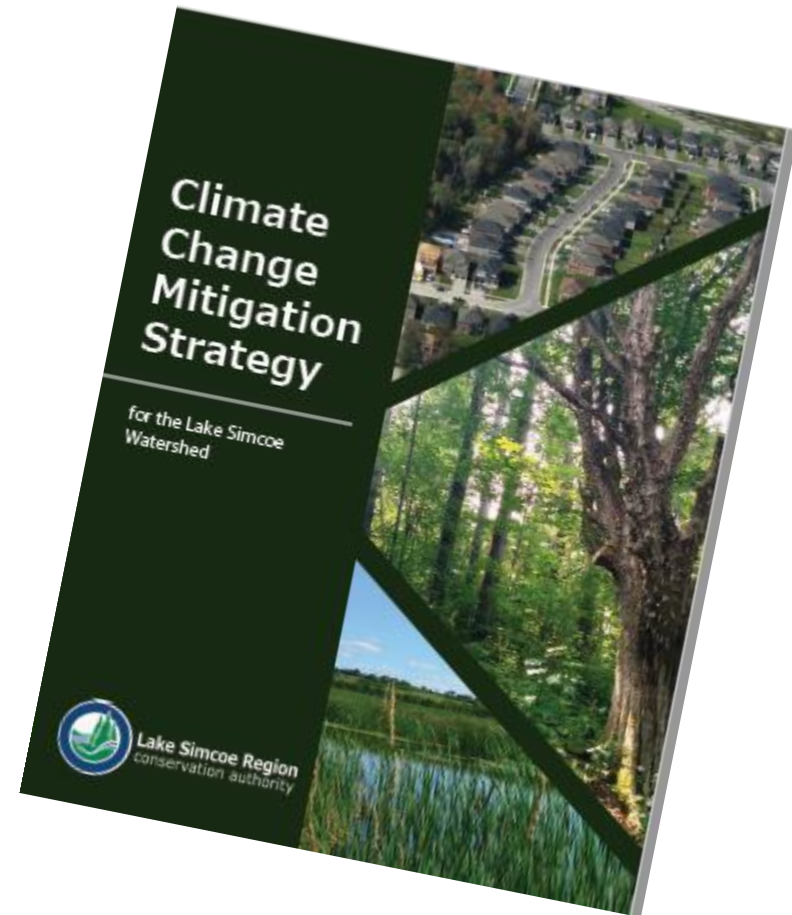
# Climate Change mitigation strategy

Support municipalities in your corporate carbon reduction strategies.

Recommendation 1.3

“Using LSRCA's Corporate Carbon Reduction Strategy as a guiding template, advise municipalities/organizations in the development and implementation of their own Corporate Carbon Reduction Strategies.”

*Essential that we walk the talk. If we expect others to reduce emissions, then we must lead the way...*



# Thank you