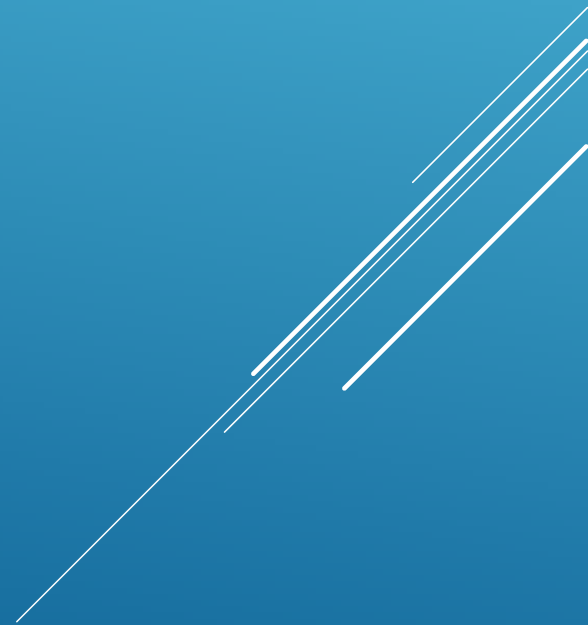


# CITY COUNCIL PRESENTATION

Dr. Bradley J. Dibble, MD FRCPC FACC  
on behalf of Barrie DOCS  
(Doctors on Climate Solutions)  
Monday, January 13, 2020

WHY ARE PHYSICIANS  
ADDRESSING THIS?





# Tobacco-free Campus

For better health,  
smoking and use of  
tobacco products are  
prohibited everywhere  
on our property.



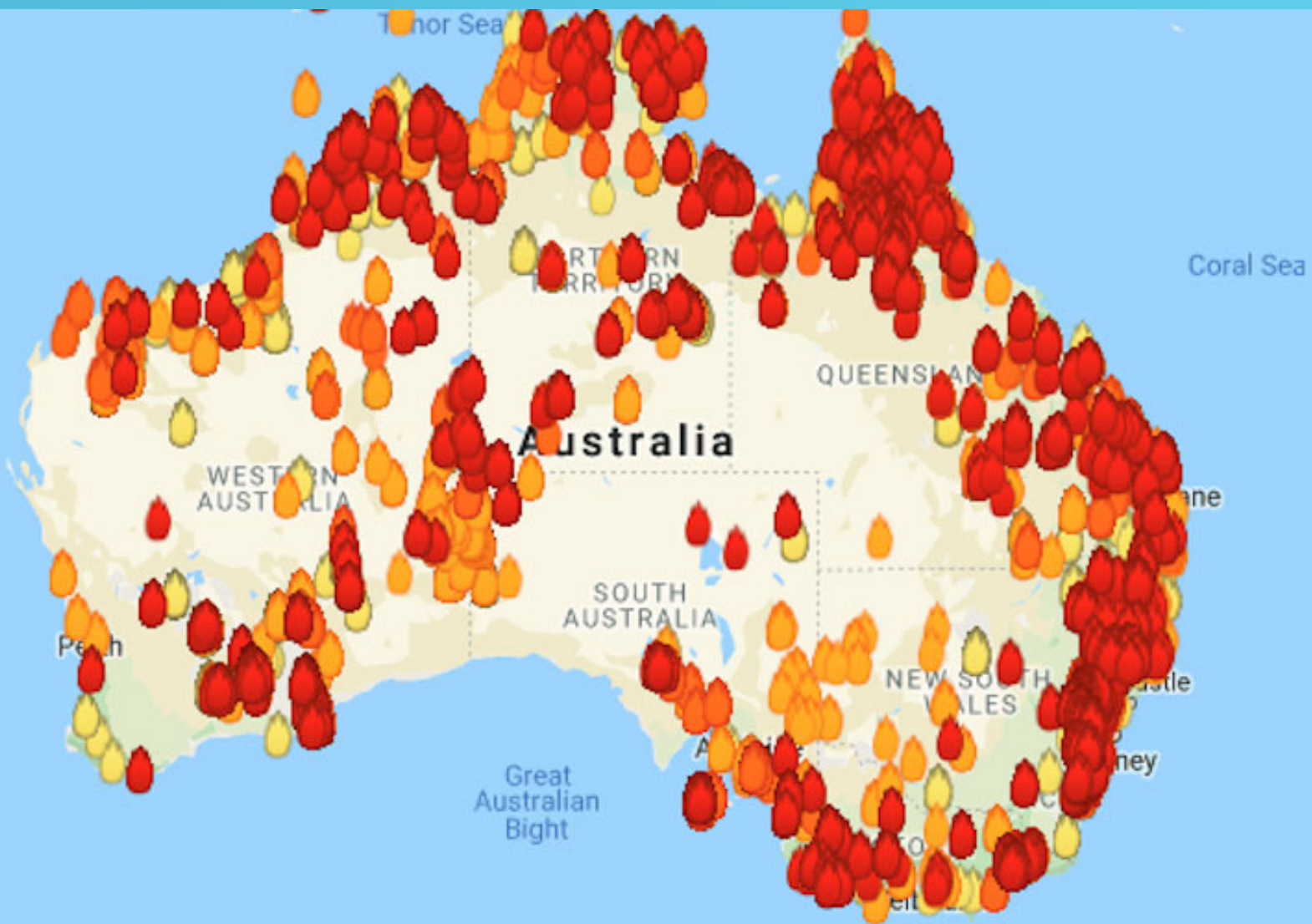
# 19 of the 20 Hottest Years on Record Have Occurred Since the Year 2001

## The Hottest of All Have Been the Last Five Years

2016 2017 2015 2018 2014 2010 2005 2007 2013

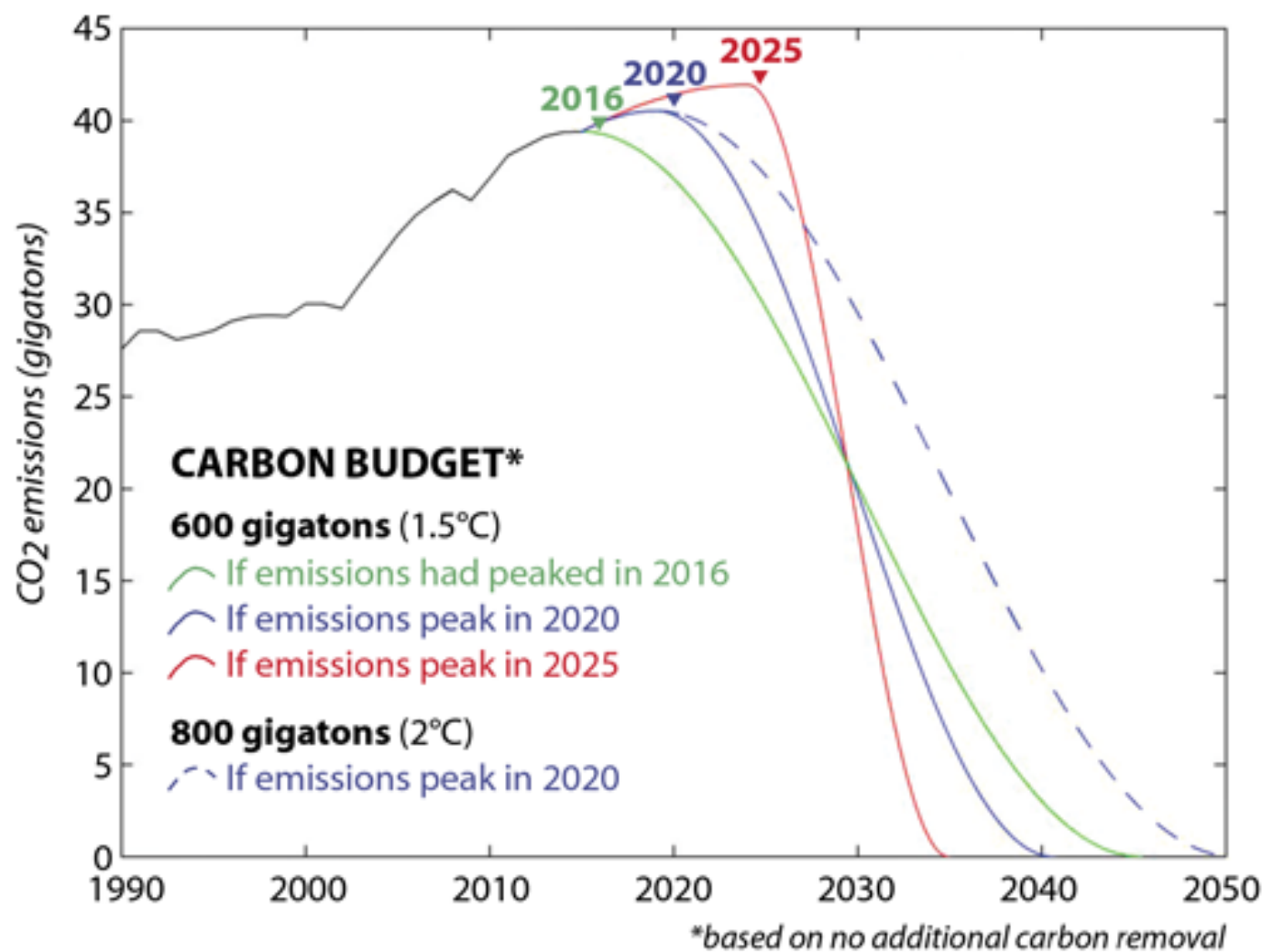
2009 2012 2006 1998 2002 2003 2011 2004 2001





# Staying Within a 1.5°C Carbon Budget

To keep global temperatures from rising more than 1.5°C, a goal of the Paris climate accord, the world is limited in how much carbon dioxide emissions it can still release. In 2017, that budget was estimated to be around 600 gigatons of CO<sub>2</sub> for a medium chance of staying under 1.5°C. This chart shows how much faster countries will have to cut emissions the longer they wait to act.



PUBLIC SUPPORT  
IS THERE









DOUBLE ISSUE

DEC. 23 / DEC. 30, 2019

# PERSON *of the* YEAR TIME

**GRETA  
THUNBERG**

THE POWER  
OF YOUTH



time.com

BARRIE CITY COUNCIL IS  
ALREADY DOING  
SOMETHING





# CLIMATE EMERGENCY DECLARATION HAS CITY OF BARRIE LOOKING TO CUT EMISSIONS



CITY AMONG HUNDREDS TO MAKE SIMILAR DECLARATIONS

By Brett Glover

Published: Oct 7th, 2019 10:14pm

Last Updated: Oct 8th, 2019 12:38pm



# BARRIE CITY COUNCIL CLIMATE CHANGE ADAPTATION STRATEGY (2017) AND IMPLEMENTATION PLAN (2018)

- ▶ Improving and adapting infrastructure
- ▶ Preparedness for extreme weather events
- ▶ Examine the needs of vulnerable populations
- ▶ Opportunities to improve access to basic resources such as food
- ▶ Respecting and improving the quality of our air and energy efficiencies



1. MITIGATION
2. ADAPTATION



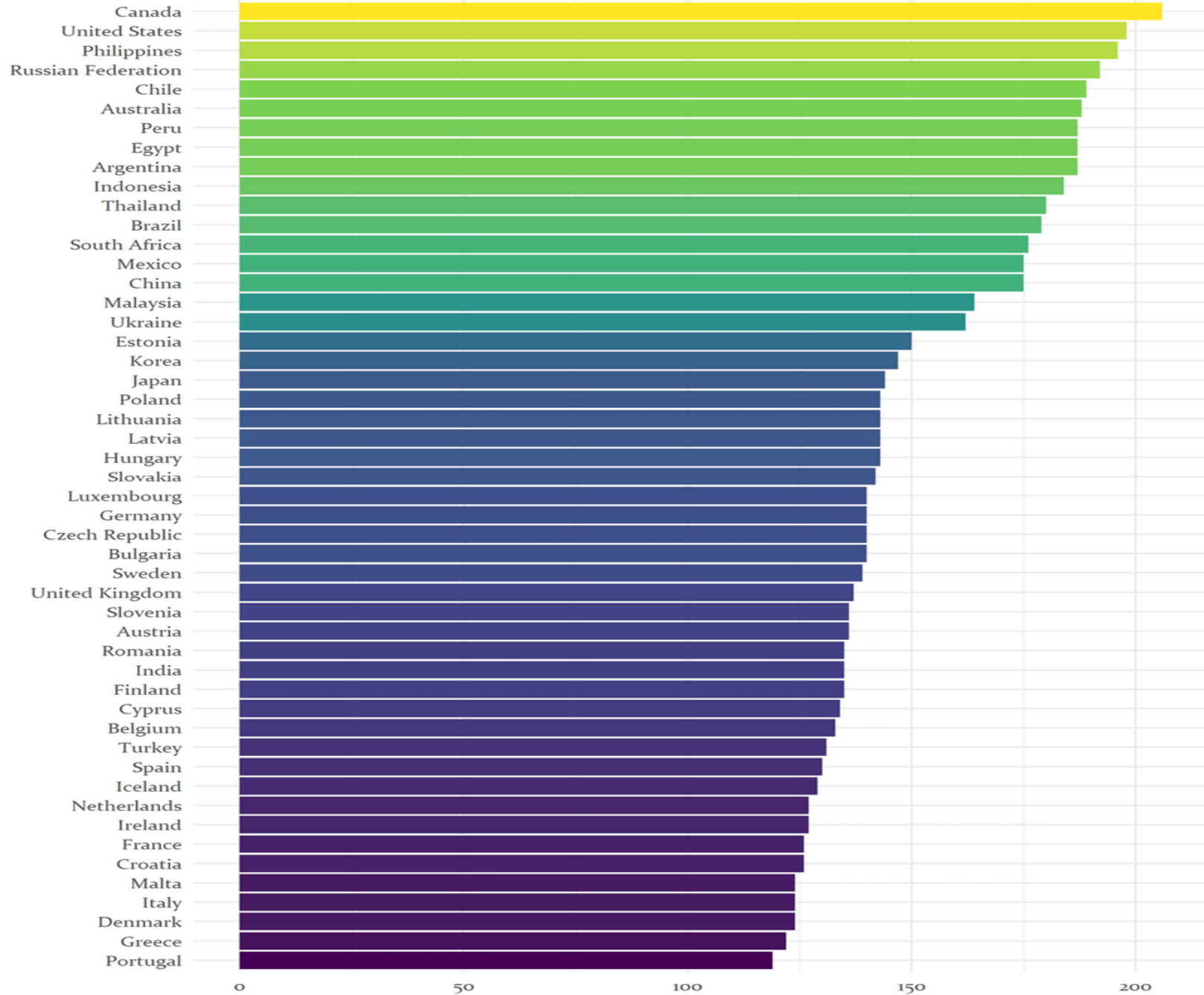


# BICYCLE AND PEDESTRIAN ACCESS

- ▶ more bicycle lanes
  - ▶ transportation hubs that people can get to easily (e.g. RVH, Georgian College)
  - ▶ shut down Dunlop St. every weekend in the summer
- 
- A series of white lines of varying lengths and thicknesses, arranged in a parallel, diagonal pattern in the bottom right corner of the slide.

# How CLEAN are our vehicles?

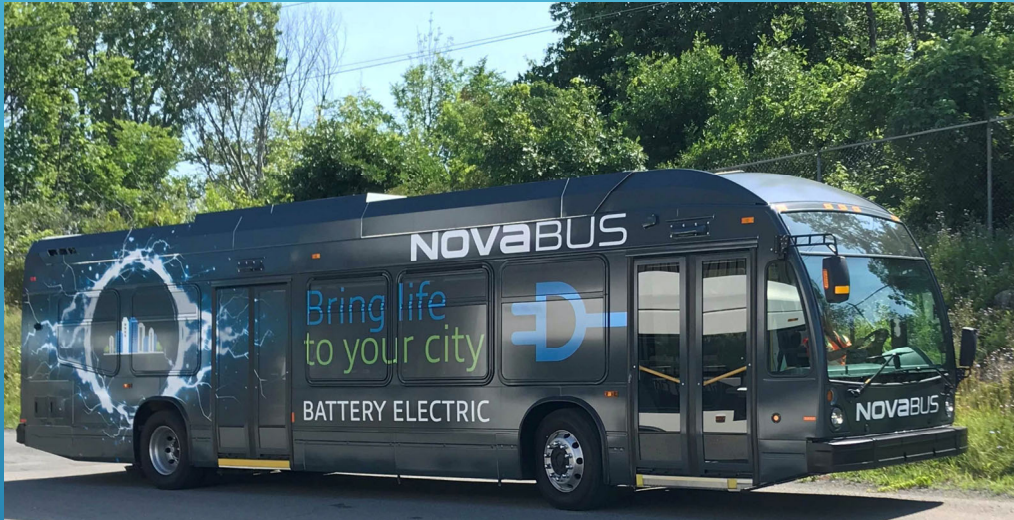
Average grams CO<sub>2</sub> per km driven



REMEMBER: EVERYTHING WE DO  
TO REDUCE EMISSIONS NOT  
ONLY HELPS THE CLIMATE BUT  
ALSO REDUCES POLLUTION.

A series of white diagonal lines of varying lengths and thicknesses, located in the bottom right corner of the image.

# ELECTRIC BUSES





# BUILDINGS



# PLANTING TREES





# PLANTING TREES





# PLANTING TREES



# REDUCING WASTE





# REDUCING WASTE



# REDUCING WASTE



# REDUCING FOOD WASTE

- ▶ Nearly 60 percent of food produced in Canada – amounting to 35.5 million metric tonnes – is lost and wasted annually. Of that, 32 percent – equalling 11.2 million metric tonnes of lost food – is avoidable and is edible food that could be redirected to support people in our communities.
- ▶ The total financial value of this potentially rescuable lost and wasted food is a staggering \$49.46 billion.



# REDUCING FOOD WASTE



[Who We Are](#)

[What We Do](#)

[Research](#)

[Events and Fundraisers](#)

[Donate Food](#)

[Volunteer](#)



[DONATE](#)

WHAT CAN A VILLAGE DO  
TOGETHER?

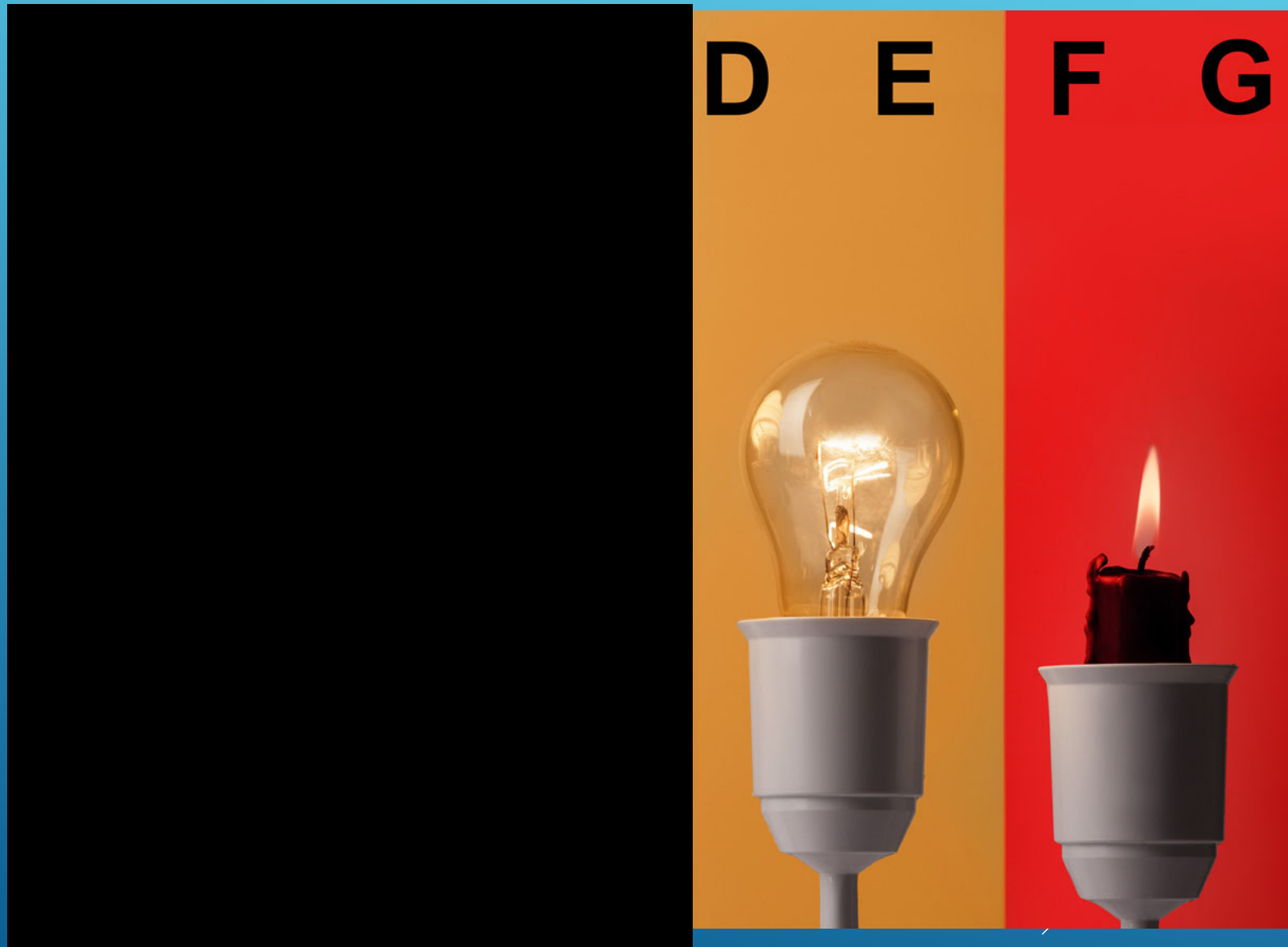


# INCREASING EFFICIENCY

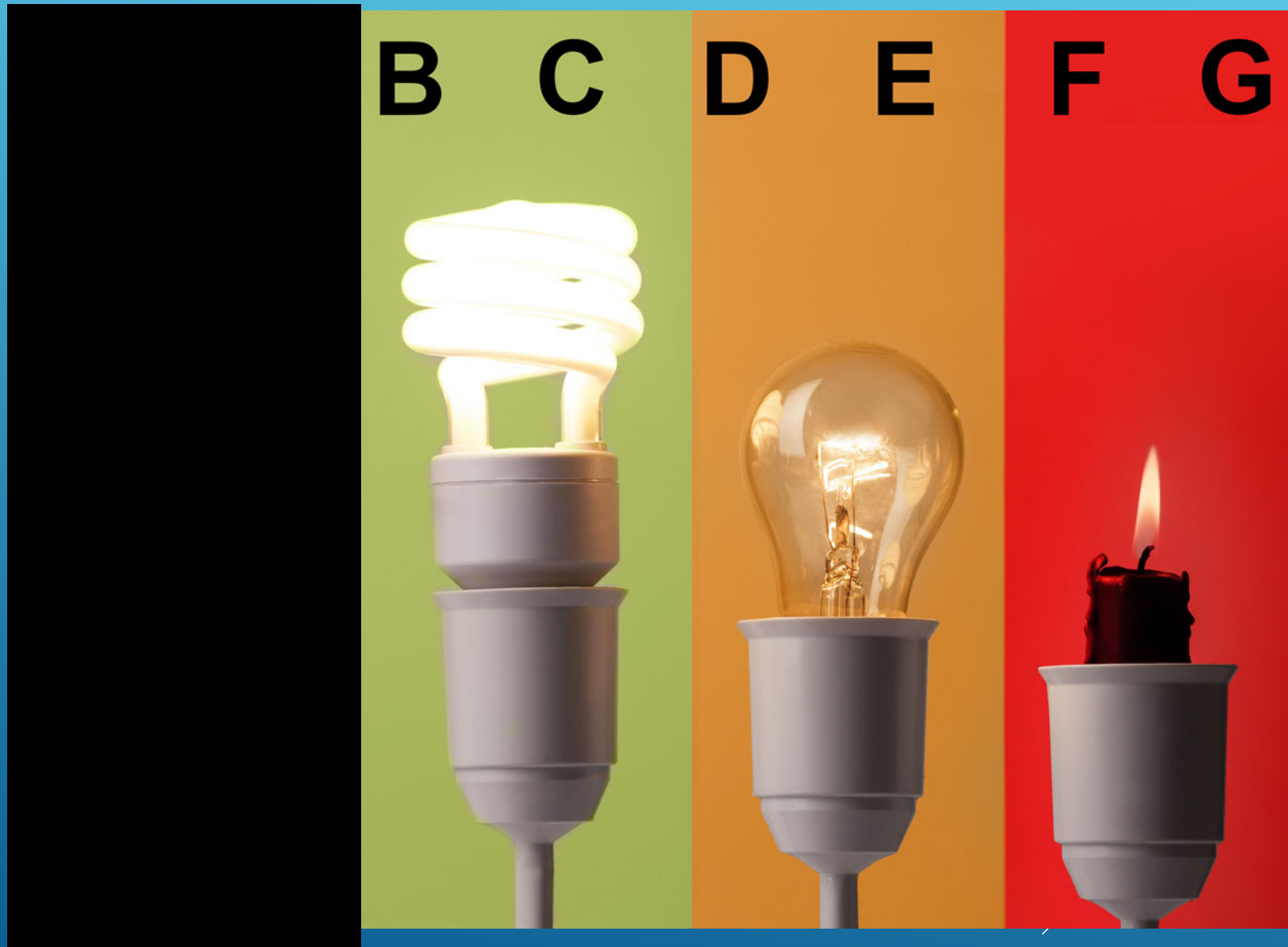




# INCREASING EFFICIENCY



# INCREASING EFFICIENCY



# INCREASING EFFICIENCY



# EDUCATION









# PROMOTING A HEALTHY LIFESTYLE



HEALTHY LIFESTYLE

# THE ECOLOGICAL FOOTPRINT OF

2.2 lbs of:	Water footprint in gallons <sup>i</sup>	Emissions in lb CO <sub>2</sub> e <sup>ii</sup>	Land use in yd <sup>2</sup> <sup>iii</sup>	Grain for feed in lb	Calories (Kcal)
 BEEF	= 4,100	35.2	9.5	13	2,470
 CHICKEN	= 1,000	10.1	7.7	4.0	1,650
 EGGS	= 880	12.1	8.0		1,430
 MILK	= 265	23.2	11.8		610
 WHEAT	= 340	1.8	1.8		3,400
 RICE	= 900				1,300



## HOW DOES MEATLESS MONDAY HELP?



**FOR EVERY BURGER SKIPPED,  
YOU SAVE ENOUGH WATER  
TO WASH YOUR CAR**



**15**  
**TIMES.**

**MEATLESS  
MONDAY**

**#MeatlessMonday**

# PARTNERSHIPS

- ▶ Second Harvest
  - ▶ Canada Green Building Council
  - ▶ SHIFT government (providing complete health care and social services in underserviced areas)
  - ▶ Other green communities
    - Guelph
    - Orillia
  - ▶ Local partnerships
    - corporate (e.g. developers)
    - RVH
    - Georgian College
- 
- A series of white diagonal lines of varying lengths and thicknesses, located in the bottom right corner of the slide.



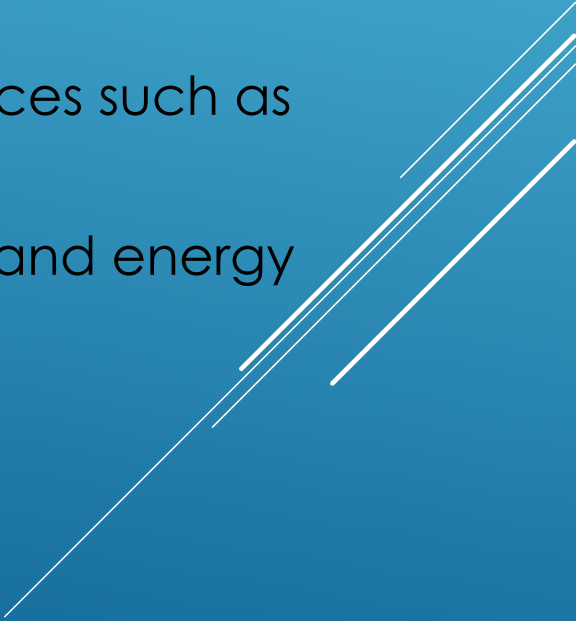
1. MITIGATION
2. ADAPTATION



# DISASTER PLANNING


- ▶ volunteerism
  - ▶ preparing to assist those at greatest risk
  - ▶ RVH has disaster plans in place but primary care physicians reach many physicians as well
  - ▶ we can tap into the Blue Brigade handbook
- 
- A series of four parallel white lines of varying lengths, slanted diagonally upwards from left to right, located in the bottom right corner of the slide.

# BARRIE CITY COUNCIL CLIMATE CHANGE ADAPTATION STRATEGY (2017) AND IMPLEMENTATION PLAN (2018)

- ▶ Improving and adapting infrastructure
  - ▶ Preparedness for extreme weather events
  - ▶ Examine the needs of vulnerable populations
  - ▶ Opportunities to improve access to basic resources such as food
  - ▶ Respecting and improving the quality of our air and energy efficiencies
- 
- A series of three parallel white diagonal lines in the bottom right corner of the slide.

## FINAL QUESTION

We're not asking what Barrie City Council can do for Barrie DOCS.  
We're asking what we physicians can do to help Barrie City Council.

Three parallel white lines of varying lengths are positioned in the bottom right corner of the slide, slanted diagonally upwards from left to right.



THANK YOU  
FOR YOUR ATTENTION.

