



Anti Idling Campaign & Challenge

PW Anti Idle Campaign

1. Pathways Story
2. Report fleet idling statistics to PW Staff
3. Anti Idling Messaging-Behavioral changes
4. End of Year Challenge: Engage early adopters to change their idling behaviour



Join our commitment to reduce idling

The Region of Peel is committed to being a leader in the community to reduce greenhouse gas (GHG) emissions and to ensure its services, operations, and infrastructure are resilient to the impacts of climate change.

As we prepare our own vehicles for the winter, it's important to understand where we all can do our part in reducing idling, when we can. Reducing excessive fleet vehicle idling is one of the steps Public Works is taking to do their part. Public Works defines excessive idling as any time a vehicle is stopped for longer than three minutes. Three minutes of idling is estimated to burn 2 L of gasoline.

How you can help

Turn your engine off, when you can. Whether you're waiting in a long gas line up or sitting idle in a parking lot, small changes can also prolong the life of your vehicle, save you money on repairs and fuel while reducing the pollutants in the air.

- With some now working from home during the COVID-19 pandemic, many vehicles have been sitting idle but if you think that idling is the best way to warm your engine, it's not. According to Popular Mechanic's magazine, the best way to warm your engine up is driving it. The vehicle's engine warms twice as quickly when driven.



Reporting

- Director's Monthly Idling Report
 - By Cost Center for each Director and Manager
 - Individual vehicle idling break down for the month
 - Historic PW average idling by vehicle type as compared to each cost center
 - 12 month idling trend



- Hide All
- Fleet Journey
- Vehicle Journey
- Multi-Vehicle Replay
- Fleet Overspeed
- Vehicle Overspeed
- Fleet Duration
- Fleet Idling
- Vehicle Idling
- Fleet Fuel Usage
- Fuel Consumption
- Vehicle Fuel Consumption
- Fleet Geofence
- Current Fleet Battery
- Vehicle Battery Level
- Fleet Connection
- Health Check

Fleet Idling Report

Select a Division:
 Select a Vehicle Group:
 Cost per Litre:

From: Hour: : 2021-04-05
 To: Hour: : 2021-04-07
 [CREATE REPORT](#)

Fleet Idling Report

Start Date: 05/04/2021 00:00:00 End Date: 07/04/2021 23:59:00 Division: WC30103 Group: All company vehicles Fuel Price: CAD 1.00 per litre

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Excessive Idling
40h 14m 42s

Excessive Fuel Used
87.83lt

Potential ECO-Run Cost Savings
CAD 87.83

Potential ECO-Run CO2 Savings
349.24kg

Vehicle	Division	Station	Excessive Idles	Idle Duration	Fuel Consumed (lt)	Cost (CAD)
08-17447	WC30103	WC30103	5	02:00:51	4.45	4.45
10-17421	WC30103	WC30103	2	00:08:31	0.31	0.31
15-17434	WC30103	WC30103	7	03:11:20	7.05	7.05
15-17435	WC30103	WC30103	12	03:09:02	6.96	6.96
16-19591	WC30103	WC30103	23	17:18:02	38.23	38.23
17-17400	WC30103	WC30103	1	00:08:05	0.30	0.30
17-17401	WC30103	WC30103	4	00:58:36	1.90	1.90
17-17404	WC30103	WC30103	1	00:06:07	0.23	0.23
17-17406	WC30103	WC30103	1	00:03:40	0.14	0.14
17-17411	WC30103	WC30103	1	00:03:28	0.13	0.13
17-17414	WC30103	WC30103	31	01:46:59	3.94	3.94
17-17420	WC30103	WC30103	5	00:18:16	0.67	0.67
Total: 21			167	40:14:42	87.83 lt	CAD 87.83

Vehicles omitted contain no idle data

Pages

- Introduction
- RoP Excessive Idling G...
- Your Fleet Excessive Idli...
- Excessive Idling Vehicle...
- How does your fleet co...

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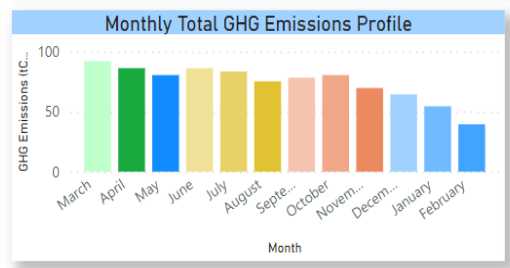
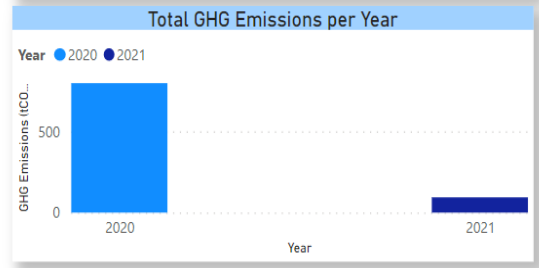
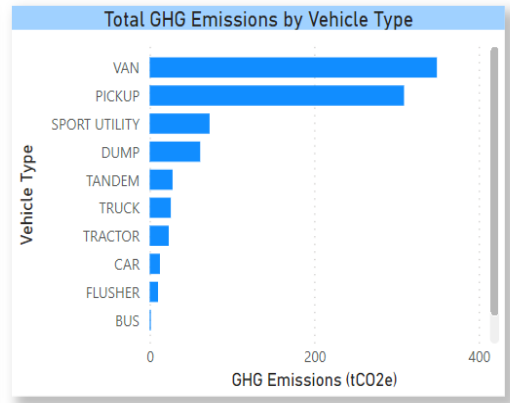
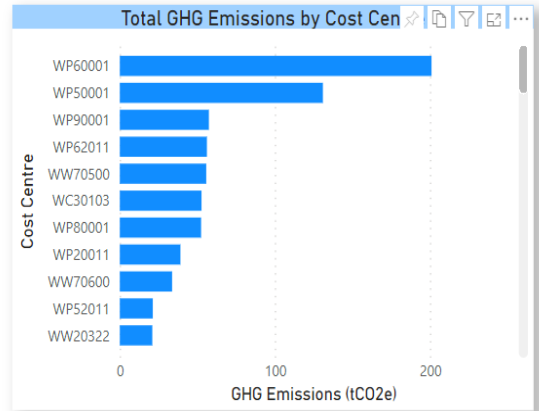
My workspace

Get data

Region of Peel Excessive Idling Report: GHG Emissions

Not a page to filter - just to show Fleet GHG Contributions. Maybe add targets (?)

Region of Peel Excessive Idling Summary for All Fleet



Due to excessive idling*, the Region of Peel has accounted for

GHG Emissions (tCO2e/L)

891.61

Fuel Consumed (L)

397,750

* Excessive idling is considered to be those instances where a vehicle is stationary for 3 consecutive minutes and longer



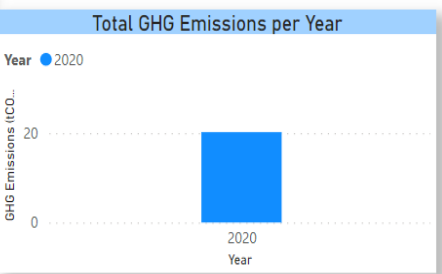
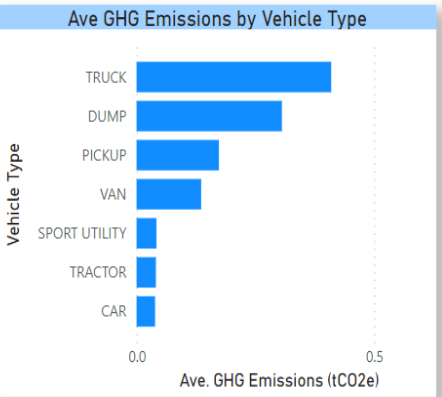
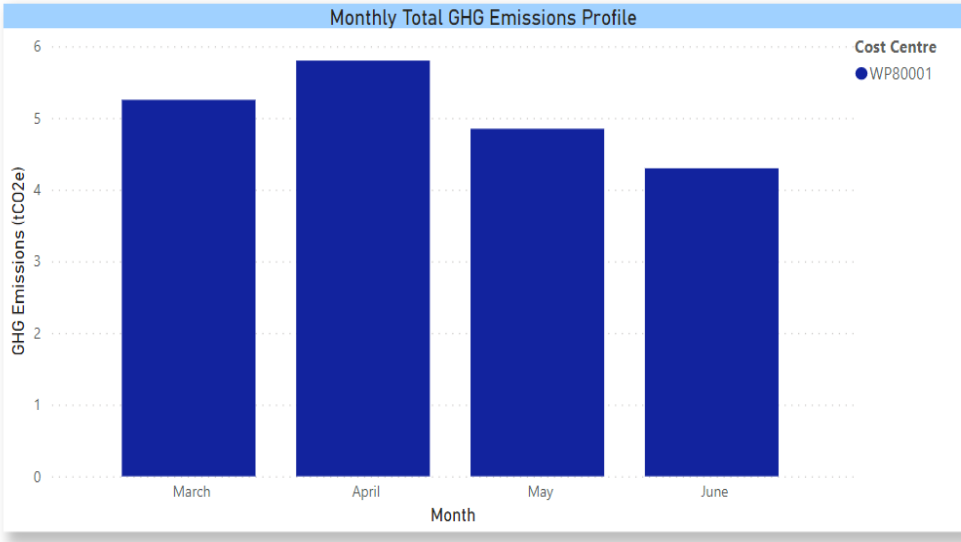
RoP Fleet Excessive Idling Report: GHG Emissions

Select your fleet:

Department, Division:

Cost Centre:

Year, Month:



Goal of the Page:
 Show the Total Monthly GHG emissions for all cost centres and how they compare to previous months.
 What cost centres are contributing the most.
 What vehicles are the highest contributors in each cost centre.
 Annual GHG Emissions per year (will show important trending as we get more years)

This monthly view shows a rolling 12 months prior to the current month.

Interaction: To see the breakdown of vehicles in a particular cost centre/colour click the area on the graph.

- Pages
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 - RoP Excessive Idling G...
 - Your Fleet Excessive Idli...
 - Excessive Idling Vehicl...
 - How does your fleet co...
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Region of Peel working with you

RoP Fleet Excessive Idling Report: Vehicle Statistics

Select your fleet:

Department, Division: | Cost Centre: | Year, Month: | Vehicle Type:

Goal for Page: What are my excessive idling times by cost centre? What is the specific breakdown by vehicle type and Vehicle. How do I compare to the rest of the Fleet.

When looking on a Cost Centre level - Averages vs Totals
 - Cost centres across fleet all have a different number of vehicles (100 vs 5). So, totals for a team of 100 will obviously have a higher idling times than 5 - that's why averages are more meaningful here (I think).
 - When we get down to the VEHICLE level, then totals are more meaningful

To do: (yellow table) Click a cost centre of interest to see a detailed breakdown in the rest of the graphs.
 When no cost centre is selected all blue visuals are showing a summary across all cost centres.

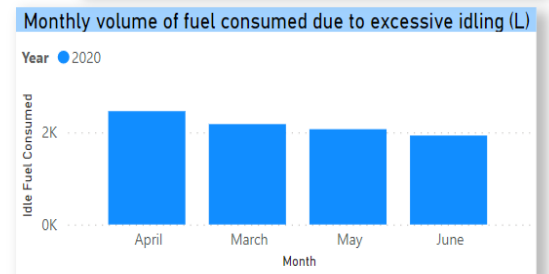
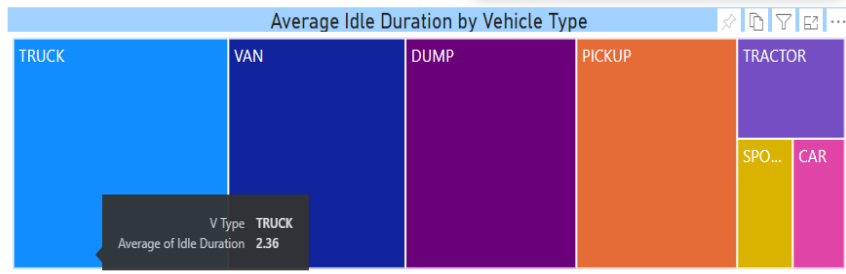
NEXT: Want to add a comparison to ALL Fleet into these tables some how... Or on the side as a reference.

Total and Average Excessive Idle Duration by Cost Centre

Cost Centre	Average of Idle Duration (h.mm)	Total Idle Duration (h.mm)
WP80001	1.57	188.07

Total Excessive Duration by Vehicle

Vehicle	Cost Centre	Vehicle Type	Idle h:mm
19-12118	WP80001	PICKUP	
13-11194	WP80001	PICKUP	
12-19071	WP80001	VAN	
11-18524	WP80001	DUMP	
15-12111	WP80001	PICKUP	
19-12117	WP80001	PICKUP	
16-21204	WP80001	TRUCK	
13-19070	WP80001	VAN	
13-11195	WP80001	PICKUP	
13-11196	WP80001	PICKUP	
08-19066	WP80001	VAN	
19-11194	WP80001	PICKUP	
11-18528	WP80001	DUMP	



Power BI Rebecca Winters's workspace

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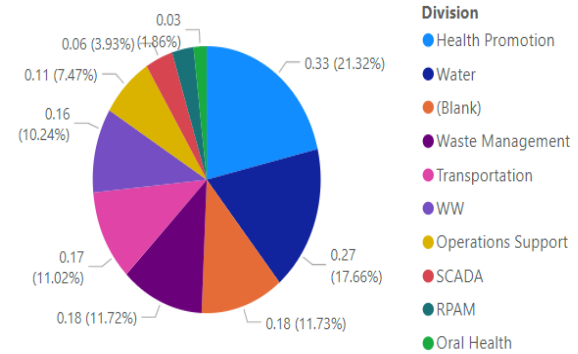
My workspace

Get data



RoP Fleet Excessive Idling Report: How does you fleet compare?

GHG Emissions by All Divisions (tCO2e)



Not sure if I like this page... ?

Does need work.. may incorporate into Vehicle Idling page.

Select your fleet:

Department, Division

Public Works (Department) + Operations Support (Division)

Your fleets excessive idling data

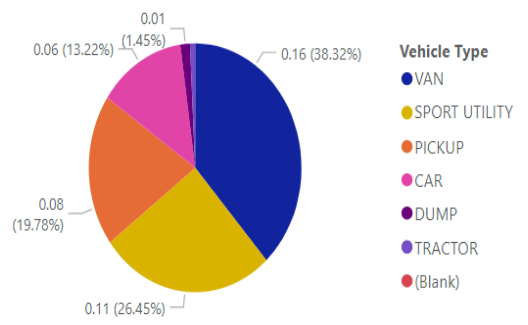
Vehicle Type	Ave. Idle Duration (h:mm)	Ave. GHG Emissions (tCO2e)
VAN	1.56	0.163
SPORT UTILITY	0.98	0.113
PICKUP	0.86	0.084
	0.84	0.000
CAR	0.76	0.056
TRACTOR	0.06	0.003
DUMP	0.04	0.006

Click the vehicle type above to highlight a particular vehicle and compare to the fleet average.

All Fleet

Vehicle Type	Average of Idle Duration (h:mm)	Average of Equ. Emissions (tCO2e)
VAN	2.40	0.261
TANDEM	2.33	0.290
TRUCK	1.96	0.302
TRACTOR	1.85	0.313
PICKUP	1.74	0.172
	1.63	0.000
DUMP	1.55	0.251
FLUSHER	1.19	0.207
SPORT UTILITY	0.87	0.101
CAR	0.55	0.034
BUS	0.10	0.005

Your fleets Ave. GHG Emissions by Vehicle Type



Communications

What we're doing today

Messaging for all Regional Staff:

- “No Idle Zone” aluminum signs posted outside in select locations
- Idling messaging – roll up banner for Yards
- Anti Idling Digital Signage for general audience



What we're doing today.. continued

Zone 1 - Digital Signage




Region of Peel
working with you

February 27 /

Turn off the ignition when your vehicle isn't moving.

Thanks to all PW employees who participated in the pancake events

Pass the syrup



@PeelPublicWorks
Significant snowfall amounts are expected overnight through Saturday evening- 10 to 15 cm! Avoid ice build-up by clearing snow from driveways & walkways as soon as possible - Then use salt only in areas needed for safety. More tips at: [#LessSalty](https://t.co/Bt4sVgGafJ) <https://t.co/5Dz21T6b1>

@RegionOfPeel
@TheBeatTee We're sorry to hear this! Can you please let us know where/who you called? Also, DM us your address so that we can address this concern. Thanks.

@VisitPama
PAMA offers #CreativeExpressions #art workshops for kids & adults with #special-needs. These pictures are from a group who visited from the Autism Ontario Peel Chapter. This program is proudly sponsored by @CFofMississauga and #BACCF: <https://t.co/hDSzRst2Y> #motivationMonday <https://t.co/mN9K4nN7jY>

Region of Peel
working with you


February 27 /

Be idle-wise

Save gas, money and the environment by turning off your vehicle engine.

Practice safe driving and parking and drive to winter weather conditions.

Collisions hurt

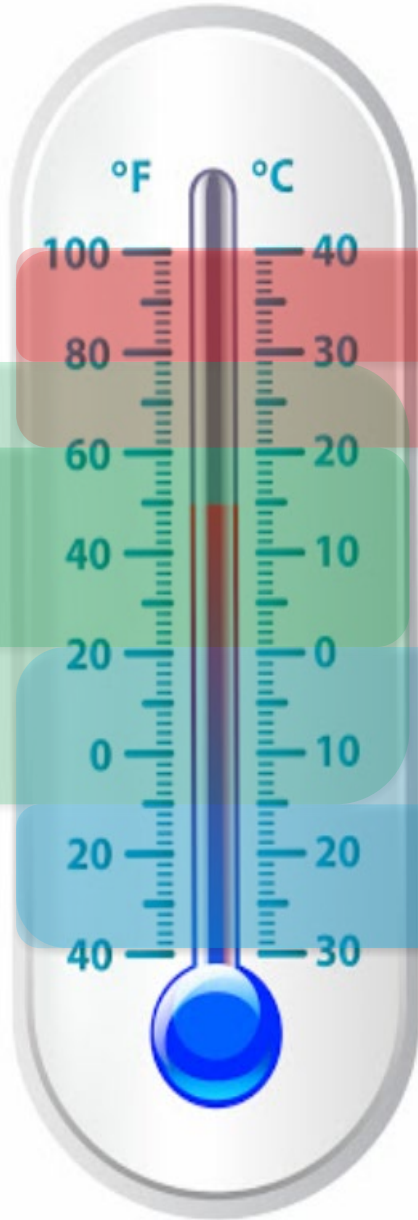


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@RegionOfPeel
Winter Fun Fest at PAMA this Sunday: <https://t.co/IGTIV0F5Y2> #PeelNews

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Extreme Hot Temperatures:
Technology Solution

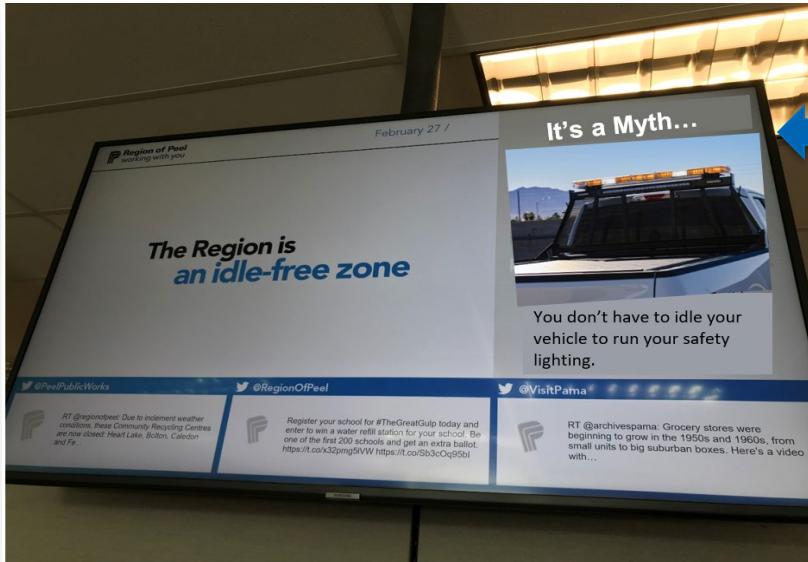
Average Temperatures:
Behavior Change,
Dispel Myths

Extreme Cold Temperatures:
Technology Solutions

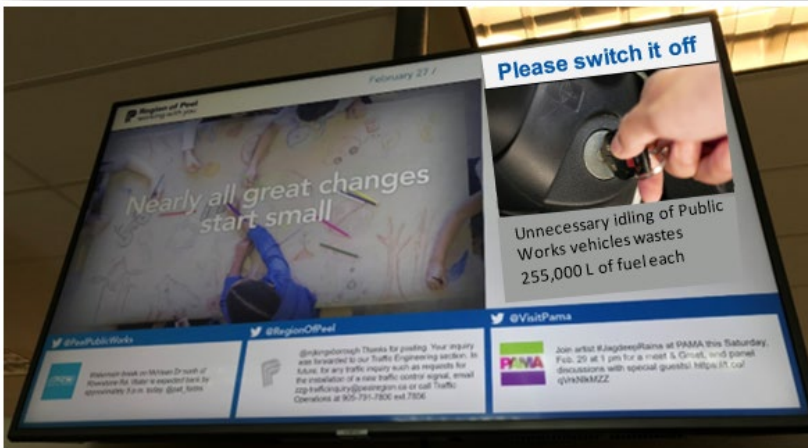
Target area



PW Anti Idle Campaign Communications



Zone 2 - Digital Signage



Tailgate Talk Template

The Region of Peel is an Idle-Free zone



Attendance Sheet

Date: May 2020 Department: _____ Supervisor: _____

Name in full	Signature	Name in full	Signature
1.		6.	
2.		7.	
3.		8.	
4.		9.	
5.		10.	

Tailgate Talk

Key points:

1. Review the W00-08 Vehicle and Equipment Idling Policy
2. Green Fleet Strategy and the Climate Change Master Plan are focused on reducing Regional greenhouse gas emissions. In 2017 Regional fleet accounted for 14% of overall Regional emissions and we are working to reduce this contribution with the Green Fleet Strategy.
3. PW Idling Stats
 - In 2019 PW Fleet consumed 265,000L of fuel due to unnecessary idling (>3mins).
 - In 2019 the Top 10 idling vehicles idled for 10,786 hours = 24,964L of fuel and 59 tCO2e. This is equivalent to adding ~15 pickup trucks to our fleet.
4. Dispel Myth
 - Safety Lighting for our light-duty vehicles doesn't need the vehicle to idle when using.
 - Equipment in pickups and cars can operate without idling
 - The best way to warm up a vehicle is to drive it, not to idle

Other points or issues raised:

Idling – running a vehicle's engine while not in motion

Year end Challenge

Engage early adopters to change their idling behaviour

- From May to December 2020
- Measured through AVL Data
- Team that reduces their idling times the most (Supervisor or Cost Center level)
- Vehicle/Person that has always been a non/light idler
- Award
 - Pizza lunch with the Commissioner / Director
 - Pathways Story in January 2021 with Green Fleet update and recognition of winners



Questions?

