

# FLEET

## SNAPSHOT MEDIANS FOR 2017



### VEHICLES maintained

Light 234  
Medium 48  
Heavy 75

FLET227, FLET228, FLET229 (STATISTIC)

### COST TO MAINTAIN VEHICLE TYPES

Light \$0.32/km

Medium \$0.58/km

Heavy \$2.08/km



FLET327, FLET328, FLET329 (EFFICIENCY)



cost  
to repair  
vehicles  
\$99.92/hr  
DOOR RATE

FLET347 (EFFICIENCY)

### KEEP IN MIND:

## Influencing Factors

Influencing factors can create variances in comparison data from year-to-year and from municipality-to-municipality.



#### Demographics

*Population differences and rural/urban density variation*



#### Fleet Mix & Usage

*Number of vehicles in each class will affect the cost (light, medium, heavy, etc.)*



#### Organizational Form

*Centralized, decentralized or outsourced*



#### Policy & Processes

*Chargeback vs. non-chargeback costs*

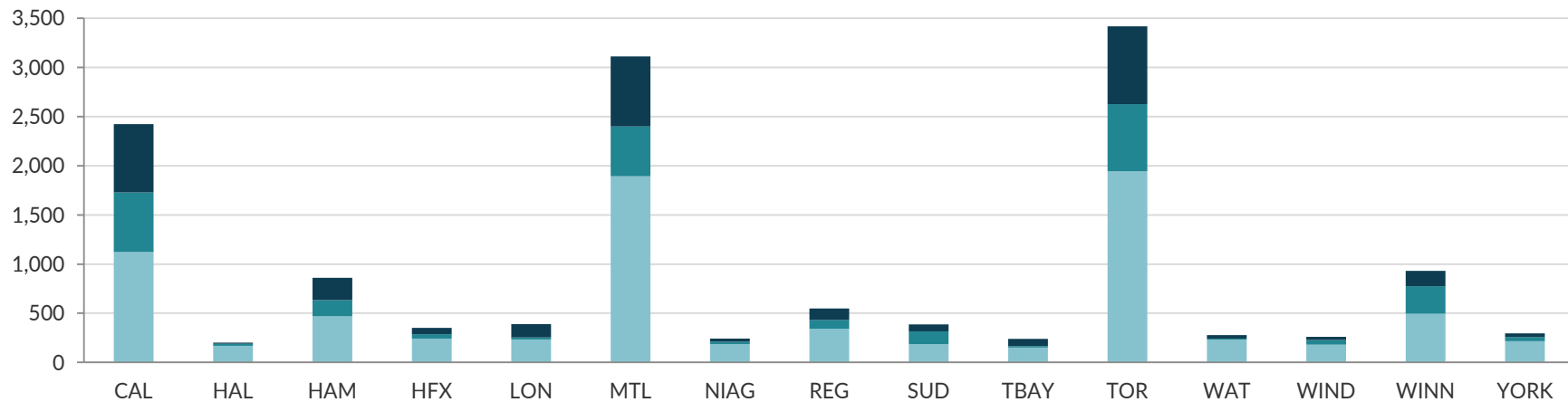
*For a full description of influencing factors, please go to: [www.mbncanada.ca](http://www.mbncanada.ca)*

**Fig. 11.1 Total Number of Light, Medium and Heavy Vehicles (Municipal Equipment)**

Each Municipality's fleet is comprised of a number of vehicles in each of these 3 classes:

- Light vehicles weigh less than 4,500 kg, e.g. cars, vans, or light pickups
- Medium vehicles weigh between 4,500 kg and 9,000 kg, e.g. heavy-duty pickups and medium size work trucks
- Heavy vehicles weigh greater than 9,000 kg, e.g. garbage trucks, tandem dump trucks, street sweepers, flushers, vacuum trucks, etc.

The variation between Municipalities in heavy vehicle measures is largely due to whether a Municipality delivers a garbage pickup service internally or through outsourcing. Garbage pickup is generally a low km traveled, high fuel volume, high equipment maintenance/repair cost service. The increases for Ontario municipalities between 2016 and 2017 can be attributed to a regulation change by Ontario's Ministry of Transportation that redefined the types of vehicles and equipment that can be classified as a road building machine. This change means the 2017 results for all municipalities is more comparable because out-of-province members have always included these types of units.

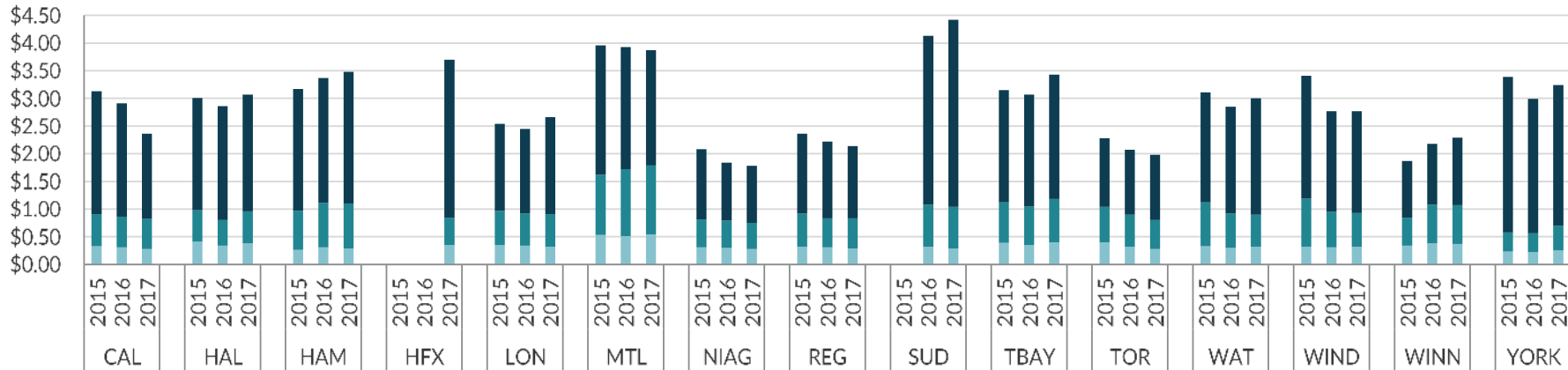


	CAL	HAL	HAM	HFX	LON	MTL	NIAG	REG	SUD	TBAY	TOR	WAT	WIND	WINN	YORK	MEDIAN
Light	1,122	168	468	243	234	1,894	188	343	186	151	1,943	230	181	496	215	234
Medium	607	22	166	45	20	505	22	87	129	14	683	13	48	280	42	48
Heavy	692	10	225	62	136	712	32	119	73	75	790	36	32	155	39	75

Source: FLET227 (Statistic); FLET228 (Statistic); FLET229 (Statistic)

**Fig. 11.2 Operating Cost per Light, Medium and Heavy Vehicle per Vehicle Km (Municipal Equipment)**

The 3 measures represent the operating costs for maintaining the different types of vehicles in municipal fleet per vehicle KM.



**Light Vehicles**

	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017	2015	2016	2017	Median	
CAL	\$0.33	\$0.31	\$0.28	HAL	\$0.41	\$0.34	\$0.38	HAM	\$0.26	\$0.31	\$0.29	HFX	N/A	N/A	\$0.35	MTL	\$0.53	\$0.51	\$0.54	\$0.31
NIAG	\$0.32	\$0.30	\$0.28	REG	\$0.32	\$0.29	SUD	N/A	N/A	\$0.29	TBAY	\$0.39	\$0.35	\$0.40	TOR	\$0.40	\$0.32	\$0.28	WAT	\$0.33
WIND	\$0.32	\$0.31	\$0.32	WINN	\$0.34	\$0.37	YORK	\$0.32	\$0.32	\$0.32										\$0.33

Source: FLET327 (Efficiency)

**Medium Vehicles**

2015	\$0.58	\$0.55	\$0.54	N/A	\$0.62	\$0.58	\$0.59	N/A	N/A	\$0.73	\$0.64	\$0.52	\$0.79	\$0.87	\$0.50	\$0.35	\$0.62
2016	\$0.57	\$0.46	\$0.58	N/A	\$0.58	\$0.58	\$0.59	\$0.76	\$0.70	\$0.58	\$0.58	\$0.62	\$0.62	\$0.64	\$0.70	\$0.34	\$0.60
2017	\$0.71	\$0.80	\$0.81	\$0.49	\$0.59	\$1.25	\$0.47	\$0.75	\$0.78	\$0.52	\$0.58	\$0.61	\$0.70	\$0.70	\$0.45	\$0.58	

Source: FLET328 (Efficiency)

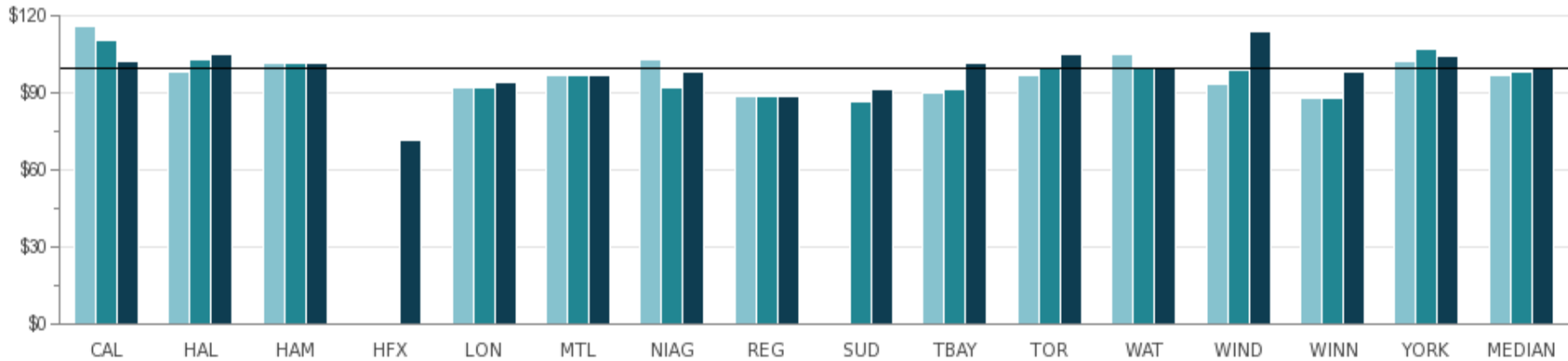
**Heavy Vehicles**

2015	\$2.22	\$2.05	\$1.54	N/A	\$1.57	\$2.34	\$1.75	N/A	N/A	\$2.03	\$1.24	\$1.18	\$1.99	\$2.22	\$1.03	\$2.81	\$2.03
2016	\$2.03	\$2.06	\$2.11	N/A	\$1.53	\$2.21	\$1.05	\$3.05	\$2.02	\$1.17	\$1.93	\$1.82	\$1.82	\$1.82	\$1.10	\$2.43	\$1.98
2017	\$2.20	\$2.26	\$2.38	\$2.86	\$1.75	\$2.08	\$1.03	\$3.38	\$2.25	\$1.18	\$2.10	\$1.84	\$1.84	\$1.22	\$2.54	\$2.08	

Source: FLET329 (Efficiency)

**Fig. 11.3 Canadian Association of Municipal Fleet Managers (CAMFM) Door Rate**

The door rate refers to the in-house shop rate for vehicle maintenance and repairs.

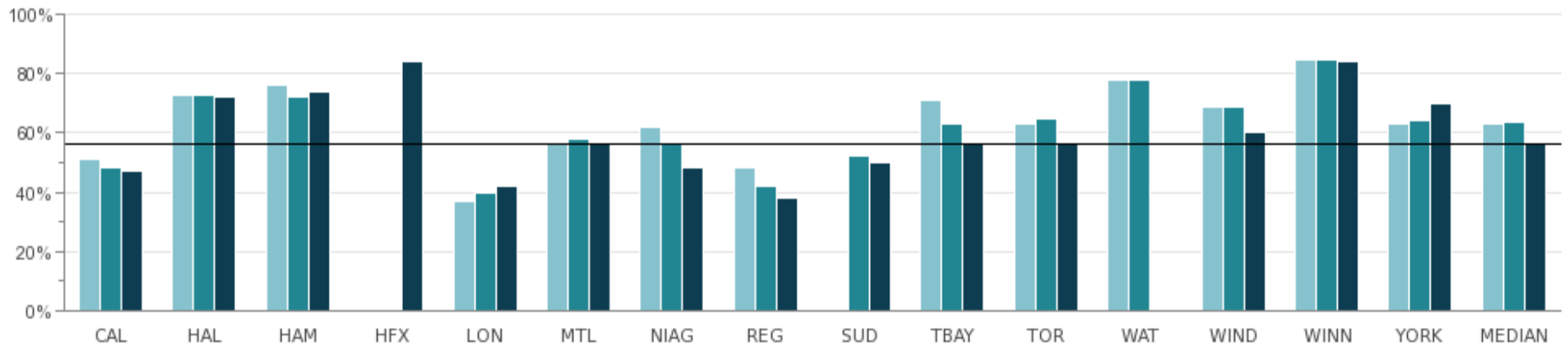


2015	\$116.24	\$98.00	\$102.00	N/A	\$91.96	\$97.00	\$103.35	\$88.48	N/A	\$90.37	\$97.19	\$105.46	\$93.43	\$88.00	\$102.27	\$97.19
2016	\$110.45	\$103.25	\$102.00	N/A	\$92.45	\$97.00	\$92.00	\$88.48	\$86.91	\$91.26	\$99.67	\$99.36	\$99.18	\$88.00	\$107.00	\$98.09
2017	\$102.24	\$105.04	\$102.00	\$71.52	\$94.17	\$97.00	\$98.57	\$88.48	\$91.50	\$101.44	\$105.34	\$99.92	\$113.87	\$98.00	\$104.57	\$99.92

Source: FLET347 (Efficiency)

**Fig. 11.4 Percent of Unplanned Maintenance Work Order Hours**

The measure represents the time a vehicle is being worked on in the shop for work related to any repairs, other than those associated with preventative maintenance work orders, as a percentage of total work order hours. The high standard variation between municipalities can be attributed to differences in maintenance system processes and ability to segregate repair activities/costs that were completed while the unit was in for a planned preventative maintenance cycle or separately as a stand-alone repair work order.



2015	51%	73%	76%	N/A	37%	57%	62%	48%	N/A	71%	63%	78%	69%	85%	63%	63%
2016	48%	73%	72%	N/A	40%	58%	57%	42%	52%	63%	65%	78%	69%	85%	64%	64%
2017	47%	72%	74%	84%	42%	56%	48%	38%	50%	56%	57%	N/A	60%	84%	70%	57%

Source: FLET415 (Service Level)

