

Attachment 1: Table of Winter Maintenance Activation by Activity Type

This table identifies the number of winter maintenance activity activations by type and by year. One “activation” represents a single snowfall event when some kind of winter maintenance activity was undertaken.

Note that the number of snowfall events that result in activations of plows for local or arterial roads is much lower than activations for other types of activities. This is because:

- The threshold for plowing arterials is 5cm of accumulation and 8cm for collectors and local roads, but sidewalks begin to be cleared at 2cm, leading to more sidewalk activations. Only a small proportion of snow events bring more than 5cm accumulation.
- Anti-icing and salting is effective at preventing or delaying snow accumulation during normal snow events in Toronto, preventing need for plowing.
- Heat from motor vehicles assists in melting snow, reducing need for plowing.
- Sidewalks do not get anti-icing or pre-storm salting, and do not have heat from motor vehicles to melt snow, resulting typically in higher levels of sidewalk plowing compared to plowing of roads.

<u>Winter Maintenance Activity Activations</u>						
<u>WINTER SEASON</u>	<u>ANTI-ICE</u>	<u>SALT - ART/COLL</u>	<u>SALT - LOCAL</u>	<u>PLOW - ART/COLL</u>	<u>PLOW - LOCAL</u>	<u>SIDEWALKS</u>
2012-2013	14	16	12	3	3	10
2013-2014	16	60	48	11	9	27
2014-2015	24	38	29	7	5	12
2015-2016	37	25	22	5	2	12
2016-2017	31	34	22	4	4	13
2017-2018	18	41	30	11	10	21
2018-2019	20	47	31	9	7	30
2019-2020	13	28	27	5	5	22
2020-2021	15	49	24	5	6	16
2021-2022	7	38	45	8	8	34
2022-2023	17	41	40	11	8	33