

Summary of Salt Reduction Success Stories from the Minnesota Pollution Control Agency's Twin Cities Metro Area Chloride Management Plan

In the 2016 Twin Cities Metro Area Chloride Management Plan developed by the Minnesota Pollution Control Agency, 14 municipal governments, 1 state transportation agency, 1 university, and 1 small private snow and ice management company reported reductions in salt use and associated cost savings that came as a result of incorporating new best management practices into their operations.

Entity Type	# of Entities	Cost Savings		Salt Reductions		New BMPs Include
		Min	Max	Min	Max	
Municipal Governments	14	\$8,600	\$70,000	12%	70%	Switch from 1:1 salt sand to salt and liquids, anti-icing, prewetting, use of ground temperatures, staff training,
State Transportation Agency	1		35% ¹		53% ¹	Incorporation of Automated Vehicle Location and Maintenance Decision Support System to inform when, where, and how salt should be applied
University	1		\$40,000 ¹		48% ¹	Salt brine and anti-icing (integration of liquids)
Private Snow and Ice Management Co.	1		\$770 ¹		50% ¹	Owner and staff training, new spreader, temperature sensors, equipment calibration

¹Only one entity of this type is reported

Entire report can be found at: <https://www.pca.state.mn.us/sites/default/files/wq-iw11-06ff.pdf>