

Memorandum

City of Lawrence

Public Works

TO: Chuck Soules
FROM: Mark Thiel
CC: Mike Perkins
Date: 1/6/2014
RE: **Snow Operations – update 2013 / 2014**

The 2013 / 2014 snow season so far has followed true to national predictions for our region.

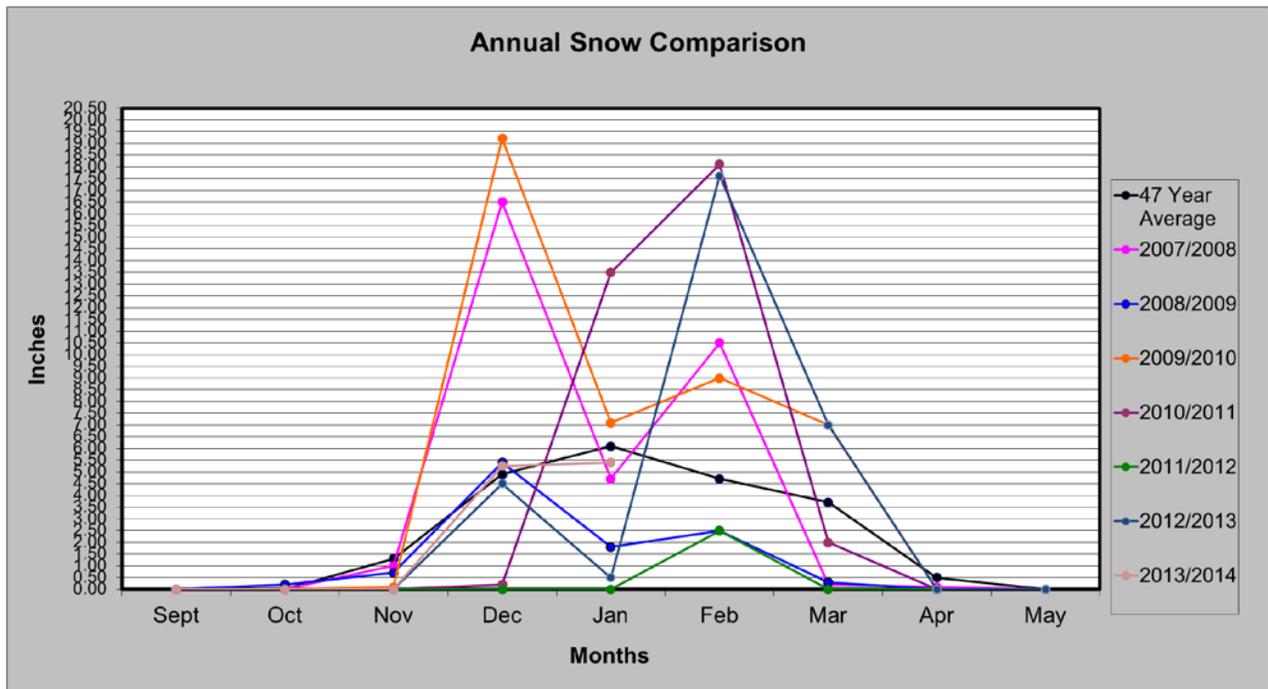
This year we have had 8 events, recorded 10.65" of snow and spent \$538,069.67. Four of the first five events were freezing rain, which resulted in no snow accumulation but required crews to pretreat and react to slick roadway surfaces.

The addition of pretreating roadways with salt-brine prior to events continues to significantly reduce the total amount of clean up time.

2013 / 2014 Snow Event Tracking Summary Report											
<i>Event</i>	<i>Dates</i>	<i>Days</i>	<i>Snow Accumulation Inches</i>	<i>Man-Hours</i>	<i>Equipment</i>	<i>Sand Tons</i>	<i>Salt Tons</i>	<i>Brine Gallons</i>	<i>Materials Total</i>	<i>Contracted</i>	<i>Total Cost</i>
1*	11/21/13 to 11/22/13	1	0.00	\$ 3,580.49	\$ 4,800.00	17.00	20.00	195.00	\$ 1,339.85	\$ -	\$ 9,720.34
2*	12/5/13 to 12/6/13	1	0.00	\$ 2,895.75	\$ 6,810.00	166.50	177.50	1,880.00	\$ 12,329.75	\$ -	\$ 22,035.50
3	12/8/13 to 12/9/13	1	0.25	\$ 12,132.56	\$ 19,706.00	289.25	307.75	4,370.00	\$ 21,436.33	\$ -	\$ 53,274.89
4*	12/13/13 to 12/14/13	1	0.00	\$ 12,669.94	\$ 19,476.00	315.50	326.00	6,465.00	\$ 24,326.00	\$ -	\$ 56,471.94
5*	12/19/13 to 12/20/13	1	0.00	\$ 5,142.72	\$ 9,600.00	141.50	146.50	2,535.00	\$ 10,832.58	\$ -	\$ 25,575.30
6	12/21/13 to 12/24/13	3	5.00	\$ 38,298.23	\$ 77,875.50	298.00	314.00	5,810.00	\$ 23,178.94	\$ 10,804.50	\$ 150,157.17
7	1/1/2014 to 1/2/14	1	1.40	\$ 21,869.67	\$ 35,917.00	418.50	543.00	8,720.00	\$ 37,487.33	\$ -	\$ 95,274.00
8	1/4/2014 to 1/6/2014	2	4.00	\$ 23,271.11	\$ 42,958.00	636.88	665.38	9,745.00	\$ 48,621.42	\$ 10,710.00	\$ 125,560.53
											\$ -
*	Freezing rain										\$ -
	Totals	11	10.65	\$ 119,860.47	\$ 217,142.50	2,283.13	2,500.13	39,720.00	\$ 179,552.20		\$ 538,069.67

Past Year Comparison

	47 Year Average	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014
Sept	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oct	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00
Nov	1.30	1.00	0.70	0.10	0.00	0.00	0.00	0.00
Dec	4.90	16.50	5.40	19.20	0.20	0.00	4.50	5.25
Jan	6.10	4.70	1.80	7.10	13.50	0.00	0.50	5.40
Feb	4.70	10.50	2.50	9.00	18.10	2.50	17.60	
Mar	3.70	0.20	0.30	7.00	2.00	0.00	7.00	
Apr	0.50	0.10	0.00	0.00	0.00	0.00	0.00	
May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total	21.20	33.00	10.90	42.40	33.80	2.50	29.60	10.65



Operational Status

Supplies of sand, salt and brine continue to be adequate. We have ordered additional salt to resupply. However, based on historical averages we currently have enough materials on hand to finish this snow season. With the acquisition of VenturePark (The old Farmland Property) we now have a facility that can store an additional surplus of salt. This has allowed us to increase the total amount of storage capacity by 3,000 tons.

Staff has done a great job keeping our equipment up and operational. We have had no major issues.

We are now about half way through our typical snow season. Crews continue to be prepared and keeping a vigilant eye on winter weather forecasts.

In summary, the City of Lawrence emergency response personnel including Fire / Medical, Police, Public Works, Utilities, Parks & Recreation departments and others continue to provide outstanding level of service to the community regardless of the weather or situation.