

Table A.1. Storm Report Summary

From Winter Storm Reports, 2015-2016

Notes: 1) Costs shown in table are estimated and do not include the 4.44% Administrative Costs; 2) Material Costs includes Salt, Sand, and other Deicing and Anti-icing Agents; 3) Equipment Costs are based on \$60 per hour per unit; 4) Labor Costs are based on each County's average labor rate; 5) Total Salt Available = salt in sheds as of May '12 (modified as required) plus early seasonal fill plus seasonal fill plus vendor reserve available.

Region NC County	Lane Miles	Severity Index	Snow Amount (inches)	Events this Season			Freez. Rain Events	Total Salt Avail. (tons)	Total Salt Used (tons)	Total Salt Remain. (tons)	Salt Used per LM (tons)	Total Thaw- Rox (tons)	Total Clear- Lane (tons)	Total Sand Used (CY)	Total Reg. Hours	Total OT Hours	Estimated Cost Per Lane Mile				Estimated Total Cost to Date	Salt per LM per Severity Index
				Anti- Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
ADAMS	193.2	86.53	58.0	19	20	16	18	4,219	1,763	2,456	9.1	10	10	10	861.0	95.0	\$823	\$273	\$212	\$1,308	\$252,499	0.11
FLORENCE	141.07	121.37	89.5	11	45	20	13	3,879	1,793	2,086	12.7	0	0	93	856.0	135.0	\$905	\$405	\$321	\$1,631	\$230,090	0.10
FOREST	312.38	123.55	92.5	6	39	8	19	9,099	4,128	4,971	13.2	0	0	130	1681.0	713.0	\$912	\$434	\$375	\$1,720	\$537,382	0.11
GREEN LAKE	158.44	71.65	44.4	4	20	17	10	2,153	868	1,285	5.5	0	0	0	498.0	167.0	\$394	\$221	\$183	\$798	\$126,453	0.08
IRON	249.56	184.65	211.6	0	64	10	18	7,304	3,661	3,643	14.7	0	0	144	1704.0	942.0	\$1,138	\$579	\$596	\$2,313	\$573,719	0.08
LANGLADE	299.21	114.95	68.1	8	35	33	12	6,414	2,383	4,031	8.0	0	0	0	1325.0	475.0	\$531	\$332	\$274	\$1,137	\$340,114	0.07
LINCOLN	415.19	114.02	78.0	15	39	8	25	7,098	3,278	3,820	7.9	0	0	1341	1744.0	757.0	\$586	\$353	\$299	\$1,238	\$513,897	0.07
MARATHON	874.81	123.97	54.0	27	38	32	11	16,885	7,009	9,876	8.0	0	0	11	4944.0	1086.0	\$636	\$389	\$258	\$1,282	\$1,121,759	0.06
MARQUETTE	245.09	61.25	47.2	8	22	9	10	4,835	2,539	2,296	10.4	0	0	8	980.0	144.0	\$782	\$239	\$223	\$1,244	\$304,784	0.17
MENOMINEE	90.26	82.18	52.2	2	33	17	4	2,302	802	1,500	8.9	0	0	44	284.0	22.0	\$570	\$201	\$132	\$903	\$81,459	0.11
ONEIDA	396.79	136.20	81.9	6	49	7	30	10,791	5,175	5,616	13.0	0	0	815	3858.0	194.0	\$1,096	\$697	\$333	\$2,126	\$834,530	0.10
PORTAGE	582.05	114.50	48.8	2	38	17	20	9,881	4,444	5,437	7.6	0	0	325	3505.0	911.0	\$592	\$440	\$322	\$1,354	\$787,808	0.07
PRICE	322.26	132.45	98.4	12	47	15	22	7,164	5,830	1,334	18.1	0	0	66	1943.0	1009.0	\$1,386	\$505	\$413	\$2,304	\$742,604	0.14
SHAWANO	520.57	103.29	58.5	8	34	26	12	10,937	6,035	4,902	11.6	0	0	0	2915.0	695.0	\$772	\$365	\$296	\$1,433	\$742,281	0.11
VILAS	305.24	126.96	115.2	12	48	20	8	10,289	6,985	3,304	22.9	0	0	412	1842.0	871.0	\$1,875	\$517	\$404	\$2,797	\$853,407	0.18
WAUPACA	547.06	79.48	48.8	4	23	21	6	11,129	4,542	6,587	8.3	0	0	77	2427.0	595.0	\$575	\$322	\$263	\$1,160	\$631,078	0.10
WAUSHARA	345.01	68.67	55.6	10	20	12	8	5,096	1,857	3,239	5.4	0	0	0	1165.0	39.0	\$374	\$197	\$141	\$711	\$245,376	0.08
WOOD	420.98	92.36	56.6	8	28	15	18	8,144	4,014	4,130	9.5	0	0	112	1476.0	776.0	\$763	\$309	\$252	\$1,325	\$555,125	0.10
Region Total	--	--	--	--	--	--	--	137,619	67,106	70,513	--	10	10	3588	--	--	--	--	--	--	\$9,474,366	
Region Average	107.67	75.5		9.0	35.7	16.8	14.7	7,646	3,728	3,917	10.8	1	1	199	1889.3	534.8	\$817	\$377	\$294	\$1,488	\$526,354	0.10

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Region NE County	Lane Miles	Severity Index	Snow Amount (inches)	Events this Season			Freez. Rain Events	Total Salt Avail. (tons)	Total Salt Used (tons)	Total Salt Remain. (tons)	Salt Used per LM (tons)	Total Thaw- Rox (tons)	Total Clear- Lane (tons)	Total Sand Used (CY)	Total Reg. Hours	Total OT Hours	Estimated Cost Per Lane Mile				Estimated Total Cost to Date	Salt per LM per Severity Index
				Anti- Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
BROWN	816.75	101.92	55.8	38	29	18	8	15,347	8,292	7,055	10.2	0	0	0	6011.0	6.0	\$604	\$447	\$259	\$1,309	\$1,068,553	0.10
CALUMET	201.71	77.58	47.9	1	17	28	3	2,720	2,213	507	11.0	0	0	0	1141.0	262.0	\$687	\$328	\$318	\$1,333	\$268,971	0.14
DOOR	270.38	92.48	44.8	14	22	34	11	4,962	3,380	1,582	12.5	0	0	14	527.0	925.0	\$878	\$323	\$245	\$1,445	\$388,851	0.14
FOND DU LAC	601.38	70.17	57.5	8	12	31	3	12,200	7,055	5,145	11.7	0	0	11	1929.0	1731.0	\$859	\$337	\$380	\$1,576	\$941,754	0.17
KEWAUNEE	111.35	42.75	40.0	1	8	20	0	1,726	1,105	621	9.9	0	0	0	457.0	36.0	\$632	\$266	\$184	\$1,082	\$119,094	0.23
MANITOWOC	425.85	87.68	54.4	11	21	37	2	8,770	6,733	2,037	15.8	0	0	0	2149.0	1236.0	\$1,076	\$479	\$366	\$1,921	\$808,314	0.18
MARINETTE	434.34	107.98	64.5	28	37	24	15	7,956	3,975	3,981	9.2	0	0	41	2232.0	318.0	\$626	\$309	\$256	\$1,190	\$517,078	0.08
OCONTO	468.16	75.65	53.8	21	28	27	5	7,355	5,347	2,008	11.4	0	0	0	1541.0	914.0	\$763	\$300	\$227	\$1,291	\$604,094	0.15
OUTAGAMIE	538.55	82.88	48.9	1	23	21	10	11,051	6,745	4,306	12.5	0	0	5	3283.0	929.0	\$794	\$351	\$356	\$1,501	\$808,410	0.15
SHEBOYGAN	523.13	69.50	45.0	19	18	31	1	11,177	8,702	2,475	16.6	0	0	0	2324.0	749.0	\$1,176	\$358	\$272	\$1,807	\$943,943	0.24
WINNEBAGO	626.56	65.54	47.5	7	24	25	2	12,974	8,953	4,021	14.3	0	0	0	2788.0	1531.0	\$938	\$357	\$318	\$1,613	\$1,010,835	0.22
Region Total	--	--	--	--	--	--	--	96,238	62,500	33,738	--	0	0	71	--	--	--	--	--	--	\$7,479,898	
Region Average		79.47	50.9	13.5	21.7	26.9	5.5	8,749	5,682	3,067	12.3	0	0	6	2216.5	785.2	\$821	\$350	\$289	\$1,461	\$679,991	0.16

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Region NW County	Lane Miles	Severity Index	Snow Amount (inches)	Events this Season			Freez. Rain Events	Total Salt Avail. (tons)	Total Salt Used (tons)	Total Salt Remain. (tons)	Salt Used per LM (tons)	Total Thaw- Rox (tons)	Total Clear- Lane (tons)	Total Sand Used (CY)	Total Reg. Hours	Total OT Hours	Estimated Cost Per Lane Mile				Estimated Total Cost to Date	Salt per LM per Severity Index
				Anti- Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
ASHLAND	249.49	160.09	157.2	10	57	13	27	4,815	3,415	1,400	13.7	0	0	155	1748.0	580.0	\$1,115	\$518	\$362	\$1,996	\$491,434	0.09
BARRON	428.77	112.53	77.5	4	39	28	21	5,825	3,600	2,225	8.4	0	0	275	3081.0	796.0	\$670	\$491	\$505	\$1,666	\$705,530	0.07
BAYFIELD	316.42	162.74	133.2	3	50	21	26	7,161	5,802	1,359	18.3	0	0	185	2375.0	1191.0	\$1,264	\$697	\$516	\$2,477	\$782,637	0.11
BUFFALO	317.02	76.97	71.4	9	29	13	6	3,126	1,387	1,739	4.4	0	0	81	1144.0	383.0	\$317	\$264	\$177	\$757	\$239,930	0.06
BURNETT	237.93	96.94	46.7	11	30	8	19	3,766	1,860	1,906	7.8	0	0	6	683.0	549.0	\$536	\$278	\$250	\$1,064	\$253,197	0.08
CHIPPEWA	654.65	83.91	50.8	0	29	15	12	15,711	6,863	8,848	10.5	0	0	436	1960.0	2018.0	\$822	\$352	\$278	\$1,452	\$950,259	0.12
CLARK	402.56	89.41	52.5	9	35	9	12	7,257	3,968	3,289	9.9	0	0	0	1226.0	779.0	\$782	\$291	\$245	\$1,317	\$530,135	0.11
DOUGLAS	456.48	158.84	97.2	5	57	16	25	10,706	7,793	2,913	17.1	0	0	62	2702.0	1931.0	\$1,055	\$594	\$466	\$2,115	\$965,433	0.11
DUNN	519.06	87.16	49.9	5	34	11	11	13,076	6,689	6,387	12.9	0	0	106	1950.0	1429.0	\$989	\$358	\$334	\$1,681	\$872,642	0.15
EAU CLAIRE	540.7	74.59	44.2	10	26	17	7	12,557	4,789	7,768	8.9	0	0	44	2397.0	1964.0	\$725	\$426	\$523	\$1,674	\$901,322	0.12
JACKSON	515.44	58.98	52.8	2	20	18	8	11,462	5,577	5,885	10.8	0	0	82	1704.0	875.0	\$880	\$1,033	\$241	\$2,154	\$1,110,316	0.18
PEPIN	112.38	74.55	38.8	15	22	7	14	1,257	383	874	3.4	0	0	7	526.0	217.0	\$269	\$328	\$288	\$886	\$99,517	0.05
PIERCE	368.82	98.22	43.9	4	30	15	17	6,456	2,828	3,628	7.7	0	0	148	1176.0	774.0	\$584	\$267	\$230	\$1,080	\$396,387	0.08
POLK	385.81	124.49	47.5	5	38	15	21	9,681	5,025	4,656	13.0	0	0	124	1465.0	638.0	\$1,002	\$298	\$250	\$1,550	\$594,442	0.10
RUSK	213.47	69.30	50.3	0	21	26	4	3,627	2,135	1,492	10.0	0	0	0	601.0	388.0	\$772	\$276	\$196	\$1,244	\$265,534	0.14
SAINT CROIX	644.54	106.96	57.4	0	37	11	21	15,756	8,541	7,215	13.3	0	0	37	1576.0	1912.0	\$938	\$319	\$255	\$1,512	\$974,391	0.12
SAWYER	367.44	103.58	76.8	0	35	21	13	6,367	4,769	1,598	13.0	0	0	27	1356.0	917.0	\$1,026	\$342	\$310	\$1,678	\$616,572	0.13
TAYLOR	233.9	108.01	62.4	22	41	19	20	4,343	2,564	1,779	11.0	0	0	22	1054.0	519.0	\$1,022	\$382	\$347	\$1,750	\$402,066	0.10
TREMPEALEAU	442.48	93.91	43.9	11	30	8	22	8,290	3,616	4,674	8.2	0	0	37	1136.0	1018.0	\$607	\$247	\$230	\$1,083	\$479,219	0.09
WASHBURN	372.14	103.42	57.5	6	39	11	20	8,062	4,499	3,563	12.1	0	0	31	1876.0	855.0	\$880	\$446	\$355	\$1,681	\$617,396	0.12
Region Total	--	--	--	--	--	--	--	159,301	86,103	73,198	--	0	0	1865	--	--	--	--	--	--	12,248,357	
Region Average	102.23	65.6		6.6	35.0	15.1	16.3	7,965	4,305	3,660	10.7	0	0	93	1586.8	986.7	\$813	\$410	\$318	\$1,541	\$612,418	0.11

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Region SE County	Lane Miles	Severity Index	Snow Amount (inches)	Events this Season			Freez. Rain Events	Total Salt Avail. (tons)	Total Salt Used (tons)	Total Salt Remain. (tons)	Salt Used per LM (tons)	Total Thaw- Rox (tons)	Total Clear- Lane (tons)	Total Sand Used (CY)	Total Reg. Hours	Total OT Hours	Estimated Cost Per Lane Mile				Estimated Total Cost to Date	Salt per LM per Severity Index
				Anti- Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
KENOSHA	653.56	58.46	23.2	14	25	0	2	13,403	7,407	5,996	11.3	0	0	30	2878.0	1133.0	\$723	\$565	\$307	\$1,596	\$1,042,899	0.19
MILWAUKEE	1911.25	68.15	38.3	4	24	1	4	58,020	25,205	32,815	13.2	0	0	15	8945.0	9226.0	\$815	\$485	\$482	\$1,782	\$3,401,693	0.19
OZAUKEE	308.71	61.47	37.0	8	21	12	3	10,767	4,986	5,781	16.2	0	0	0	1138.0	565.0	\$1,006	\$331	\$253	\$1,590	\$487,943	0.26
RACINE	683.49	70.09	44.9	0	25	16	5	18,694	7,591	11,103	11.1	0	0	0	1788.0	1877.0	\$732	\$289	\$252	\$1,273	\$866,553	0.16
WALWORTH	706.03	88.63	43.6	14	29	26	4	19,883	11,888	7,995	16.8	0	0	2	4202.0	655.0	\$1,062	\$387	\$304	\$1,752	\$1,231,613	0.19
WASHINGTON	608.67	86.23	47.6	6	27	19	6	17,188	9,314	7,874	15.3	0	0	0	1737.0	2161.0	\$1,024	\$363	\$308	\$1,695	\$1,031,724	0.18
WAUKESHA	1080.55	53.18	49.3	21	19	2	7	41,673	13,510	28,163	12.5	0	0	0	4273.0	1847.0	\$931	\$324	\$267	\$1,522	\$1,605,522	0.24
Region Total		--	--	--	--	--	--	179,628	79,901	99,727	--	0	0	47	--	--	--	--	--	--	\$9,667,947	
Region Average		69.46	40.6	9.6	24.3	10.9	4.4	25,661	11,414	14,247	13.8	0	0	7	3565.9	2494.9	\$899	\$392	\$310	\$1,601	\$1,381,135	0.20

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				Anti- Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
COLUMBIA	785.08	76.53	37.1	17	18	25	10	27,126	13,405	13,721	17.1	0	0	411	2222.0	1838.0	\$1,412	\$308	\$215	\$1,935	\$1,519,310	0.22
CRAWFORD	394.99	90.20	42.7	6	23	33	6	5,917	3,024	2,893	7.7	0	0	606	1115.0	778.0	\$627	\$265	\$198	\$1,090	\$427,803	0.08
DANE	1536.14	90.04	32.0	20	30	4	12	59,126	22,639	36,487	14.7	0	0	43	5023.0	8114.0	\$1,146	\$463	\$388	\$1,997	\$3,043,478	0.16
DODGE	629.21	61.23	37.3	8	20	15	6	20,710	8,470	12,240	13.5	532	0	0	1907.0	3062.0	\$1,044	\$479	\$446	\$1,969	\$1,238,755	0.22
GRANT	622.06	71.67	42.6	3	24	21	2	11,063	6,175	4,888	9.9	0	0	1086	1565.0	1573.0	\$738	\$286	\$241	\$1,266	\$783,594	0.14
GREEN	314.64	71.09	42.7	12	24	18	5	3,926	1,054	2,872	3.3	0	0	35	827.0	466.0	\$259	\$215	\$213	\$687	\$216,115	0.05
IOWA	475.05	75.21	44.1	19	23	24	3	8,520	4,116	4,404	8.7	0	0	39	1452.0	1094.0	\$653	\$284	\$242	\$1,179	\$559,914	0.12
JEFFERSON	553.11	63.61	42.0	15	24	15	6	14,871	6,402	8,469	11.6	40	0	0	1615.0	1354.0	\$878	\$328	\$293	\$1,498	\$816,722	0.18
JUNEAU	496.27	91.65	51.3	16	27	21	13	10,671	5,042	5,629	10.2	0	0	0	1678.0	932.0	\$816	\$286	\$205	\$1,307	\$646,934	0.11
LA CROSSE	497.44	35.28	31.0	9	9	6	6	10,344	2,807	7,537	5.6	0	0	273	1227.0	630.0	\$431	\$200	\$181	\$813	\$401,945	0.16
LAFAYETTE	299.38	65.99	38.2	13	19	19	5	3,574	1,182	2,392	3.9	0	0	1054	830.0	610.0	\$289	\$265	\$244	\$798	\$238,833	0.06
MONROE	653.89	84.86	49.2	9	25	12	12	12,690	9,025	3,665	13.8	0	0	55	2040.0	1556.0	\$1,084	\$301	\$255	\$1,640	\$1,071,483	0.16
RICHLAND	327.64	72.40	43.3	11	17	16	10	3,743	1,732	2,011	5.3	0	0	10	1227.0	608.0	\$436	\$283	\$264	\$983	\$320,365	0.07
ROCK	687.38	54.59	46.5	1	19	14	6	15,290	7,953	7,337	11.6	0	0	20	1570.0	1894.0	\$812	\$273	\$244	\$1,329	\$905,241	0.21
SAUK	576.49	78.02	49.1	22	22	19	14	16,204	6,534	9,670	11.3	0	0	52	2406.0	1494.0	\$917	\$372	\$339	\$1,627	\$938,078	0.15
VERNON	468.36	79.88	56.5	8	20	30	2	7,775	5,674	2,101	12.1	0	0	541	1192.0	1167.0	\$901	\$281	\$214	\$1,396	\$653,885	0.15
Region Total		--	--	--	--	--	--	231,550	105,234	126,316	--	572	0	4225	--	--	--	--	--	--	13,782,457	
Region Average		72.64	42.9	11.8	21.5	18.3	7.4	14,472	6,577	7,895	10.0	36	0	264	1743.5	1698.1	\$778	\$306	\$261	\$1,345	\$861,404	0.14

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Notes: 1) Costs shown in table are estimated and do not include the 4.44% Administrative Costs; 2) Material Costs includes Salt, Sand, and other Deicing and Anti-icing Agents; 3) Equipment Costs are based on \$60 per hour per unit; 4) Labor Costs are based on each County's average labor rate; 5) Total Salt Available = salt in sheds as of May '12 (modified as required) plus early seasonal fill plus seasonal fill plus vendor reserve available.

Statewide Total	--	--	--	--	--	804,336	400,844	403,492	--	582	10	9795.6	--	--	--	--	--	\$52,653,025	--		
Statewide Average	90.35	58.3	9.7	29.1	17.6	11.1	11,171	5,567	5,604	11.1	8.1	0.1	136.1	1985.9	1147.6	\$816	\$368	\$294	\$1,478	\$731,292	0.13