

# Storm Report Summary - Thru Week 13 (1/25/24)

From Winter Storm Reports, 2023-2024

General Notes: 1) Costs shown in table are estimated and do not include the Administrative Costs; 2) Material Costs includes Brine, Salt, Sand, and other Deicing and Anti-icing Agents; 3) Equipment Costs are based on an estimated \$90 per hour per unit; 4) Labor Costs are based on each County's average labor rate; 5) Total Salt Available = salt in sheds plus "early fill" plus "seasonal fill" plus "vendor reserve" available. 6) Some Material Costs are estimated. 7) Severity Indices in this table are not the official MDSS severity index used by WisDOT in other reports. 8) This report is sorted by TOTAL Cost per Lane Mile.

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		
IRON	240.51	55.54	49.0	0	17	10	7	6,813	1,400	5,413	5.8	0	0	34	394.0	382.0	\$641	\$315	\$188	\$1,144	\$275,026	0.10
MENOMINEE	90.66	43.82	28.5	0	16	5	6	2,365	593	1,772	6.5	0	0	1	133.0	88.0	\$636	\$220	\$114	\$971	\$88,032	0.15
VILAS	307.73	79.24	37.2	3	29	9	14	8,775	1,063	7,712	3.5	0	0	387	1331.0	0.0	\$403	\$375	\$181	\$959	\$294,946	0.04
MARQUETTE	246.61	48.73	33.5	8	15	3	5	4,857	888	3,969	3.6	0	0	16	310.0	438.0	\$419	\$272	\$186	\$877	\$216,249	0.07
FLORENCE	137.43	48.65	24.5	1	17	4	4	3,735	710	3,025	5.2	0	0	13	241.0	115.0	\$526	\$189	\$122	\$837	\$115,006	0.11
PORTAGE	531.62	43.94	26.7	10	14	7	5	9,000	1,315	7,685	2.5	0	0	33	1224.0	889.0	\$257	\$355	\$219	\$832	\$442,025	0.06
SHAWANO	530.27	54.35	33.4	3	13	12	5	9,381	2,037	7,344	3.8	0	0	0	778.0	958.0	\$339	\$294	\$187	\$820	\$434,838	0.07
FOREST	314.49	65.58	40.0	1	24	2	8	7,614	1,542	6,072	4.9	0	0	0	413.0	318.0	\$482	\$198	\$119	\$799	\$251,192	0.07
ONEIDA	395.39	60.73	29.3	4	17	11	13	10,347	1,001	9,346	2.5	0	0	144	1090.0	488.0	\$271	\$289	\$213	\$773	\$305,395	0.04
MARATHON	905.42	50.39	16.5	12	15	9	6	14,350	2,763	11,587	3.1	0	0	29	1141.0	1607.0	\$343	\$258	\$162	\$763	\$691,026	0.06
WAUPACA	556.87	41.83	31.7	2	10	10	2	11,200	2,357	8,843	4.2	0	0	0	500.0	886.0	\$366	\$218	\$151	\$735	\$409,569	0.10
WOOD	443.36	39.54	22.1	14	14	5	4	7,100	1,366	5,734	3.1	0	0	68	545.0	743.0	\$320	\$220	\$164	\$704	\$312,011	0.08
LINCOLN	399.39	52.23	24.4	8	17	5	10	6,729	916	5,813	2.3	0	0	213	632.0	423.0	\$310	\$210	\$144	\$664	\$265,157	0.04
ADAMS	202.74	35.33	29.6	4	13	2	2	4,280	584	3,696	2.9	0	0	16	344.0	88.0	\$376	\$176	\$107	\$658	\$133,465	0.08
PRICE	319.53	42.17	17.8	6	17	2	7	5,925	656	5,269	2.1	0	0	0	455.0	394.0	\$253	\$239	\$140	\$632	\$201,984	0.05
GREEN LAKE	154.11	35.92	33.7	0	10	6	3	1,830	398	1,432	2.6	0	0	0	168.0	210.0	\$269	\$204	\$144	\$616	\$94,991	0.07
LANGLADE	300.29	45.51	24.8	4	17	4	5	5,257	633	4,624	2.1	0	0	1	364.0	297.0	\$230	\$187	\$119	\$535	\$160,772	0.05
WAUSHARA	343.69	16.48	9.6	0	6	2	1	4,086	430	3,656	1.3	0	0	49	177.0	182.0	\$135	\$94	\$59	\$288	\$99,050	0.08
<b>Region Total</b>	--	--	--	--	--	--	--	123,644	20,652	102,992	--	0	0	1004	--	--	--	--	--	--	\$4,790,735	
<b>Region Average</b>	47.78	28.5		4.4	15.6	6.0	5.9	6,869	1,147	5,722	3.4	0	0	56	568.9	472.6	\$365	\$240	\$151	\$756	\$266,152	0.07

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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		
MANITOWOC	419.96	25.71	25.6	17	10	2	0	8,700	3,215	5,485	7.7	0	0	140	1412.0	731.0	\$697	\$459	\$250	\$1,407	\$590,681	0.30
CALUMET	219.46	45.35	32.6	9	11	17	2	2,625	719	1,906	3.3	0	0	0	659.0	452.0	\$325	\$393	\$296	\$1,015	\$222,645	0.07
OUTAGAMIE	567.52	37.70	26.5	0	10	10	1	11,682	2,184	9,498	3.8	0	0	0	1287.0	1090.0	\$427	\$279	\$271	\$977	\$554,623	0.10
DOOR	267.29	44.63	38.2	5	14	13	1	4,988	1,064	3,924	4.0	0	0	48	271.0	599.0	\$387	\$293	\$231	\$911	\$243,401	0.09
WINNEBAGO	688.27	31.50	31.1	8	9	9	2	11,886	2,365	9,521	3.4	0	24	20	1011.0	1512.0	\$321	\$287	\$240	\$847	\$582,991	0.11
KEWAUNEE	126.39	47.29	40.1	1	11	12	5	1,770	457	1,313	3.6	0	0	210	178.0	188.0	\$392	\$261	\$182	\$835	\$105,298	0.08
FOND DU LAC	611.86	29.30	29.9	2	10	1	2	11,240	2,246	8,994	3.7	0	0	0	477.0	1300.0	\$363	\$234	\$211	\$808	\$494,299	0.13
MARINETTE	414.39	45.09	32.2	15	16	5	3	9,050	1,854	7,196	4.5	0	0	0	405.0	610.0	\$392	\$209	\$163	\$764	\$316,701	0.10
BROWN	860.16	28.11	22.3	23	11	1	4	20,338	3,243	17,095	3.8	0	0	0	942.0	1650.0	\$304	\$271	\$187	\$762	\$654,620	0.13
OCONTO	481.73	32.83	26.5	8	10	6	2	7,241	1,224	6,017	2.5	0	0	0	477.0	713.0	\$235	\$200	\$155	\$590	\$284,206	0.08
SHEBOYGAN	543.53	22.46	16.3	12	9	5	2	10,434	482	9,952	0.9	0	0	0	233.0	471.0	\$140	\$112	\$93	\$345	\$187,661	0.04
<b>Region Total</b>	--	--	--	--	--	--	--	99,954	19,053	80,901	--	0	24	418	--	--	--	--	--	--	\$4,237,125	
<b>Region Average</b>	35.45	29.2	29.2	9.1	11.0	7.4	2.2	9,087	1,732	7,355	3.7	0	2	38	668.4	846.9	\$362	\$273	\$207	\$842	\$385,193	0.11

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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		
TREMPEALEAU	420.25	32.71	20.1	6	9	13	0	9,261	2,225	7,036	5.3	0	0	0	617.0	674.0	\$534	\$250	\$196	\$980	\$411,692	0.16
DOUGLAS	465.66	60.20	29.0	25	24	10	8	10,432	2,501	7,931	5.4	0	0	0	1402.0	436.0	\$444	\$315	\$178	\$937	\$436,122	0.09
BAYFIELD	345.31	63.79	34.7	4	22	13	3	7,541	1,444	6,097	4.2	0	0	16	897.0	360.0	\$397	\$327	\$193	\$918	\$316,868	0.07
JACKSON	520.32	29.97	19.6	12	9	11	7	11,703	2,219	9,484	4.3	0	0	0	671.0	582.0	\$459	\$210	\$125	\$794	\$413,119	0.14
CLARK	401.81	25.44	14.1	4	9	7	2	7,260	1,602	5,658	4.0	0	0	3	314.0	454.0	\$456	\$171	\$105	\$732	\$294,020	0.16
DUNN	521.2	39.74	18.3	3	17	3	2	13,635	2,181	11,454	4.2	0	0	0	389.0	606.0	\$412	\$168	\$129	\$709	\$369,513	0.11
BARRON	428.61	38.72	10.0	3	12	11	8	7,000	1,340	5,660	3.1	0	0	83	589.0	543.0	\$287	\$218	\$166	\$671	\$287,707	0.08
PEPIN	109.41	29.38	13.9	7	10	3	4	1,202	165	1,037	1.5	0	0	0	186.0	167.0	\$164	\$279	\$175	\$618	\$67,602	0.05
WASHBURN	385.68	40.23	10.3	13	15	2	6	7,845	1,177	6,668	3.1	0	0	0	393.0	387.0	\$286	\$181	\$127	\$594	\$229,006	0.08
BUFFALO	311.87	40.29	19.6	6	15	5	4	3,478	799	2,679	2.6	0	0	0	320.0	329.0	\$259	\$167	\$107	\$534	\$166,404	0.06
POLK	374.54	35.98	18.0	9	12	12	0	9,074	1,075	7,999	2.9	0	0	3	299.0	369.0	\$270	\$148	\$103	\$520	\$194,842	0.08
RUSK	213.1	45.17	15.2	6	12	6	9	3,249	496	2,753	2.3	0	0	0	202.0	212.0	\$237	\$167	\$116	\$520	\$110,845	0.05
TAYLOR	232.44	40.03	18.1	3	16	3	7	4,338	486	3,852	2.1	0	0	0	148.0	238.0	\$283	\$138	\$93	\$515	\$119,720	0.05
CHIPPEWA	653.17	28.57	12.1	4	10	4	2	13,874	1,322	12,552	2.0	0	0	19	231.0	955.0	\$208	\$155	\$117	\$480	\$313,760	0.07
ASHLAND	255.69	25.29	16.3	6	9	2	4	4,475	538	3,937	2.1	0	0	0	187.0	167.0	\$236	\$121	\$81	\$437	\$111,706	0.08
SAWYER	357.2	38.52	14.3	0	13	9	3	5,750	798	4,952	2.2	0	0	0	353.0	272.0	\$210	\$132	\$92	\$435	\$155,206	0.06
EAU CLAIRE	531.32	17.50	6.0	3	8	1	1	11,842	1,120	10,722	2.1	0	0	0	692.0	44.0	\$233	\$114	\$70	\$417	\$221,768	0.12
BURNETT	235.35	25.49	8.1	7	9	3	7	3,715	521	3,194	2.2	0	0	0	131.0	172.0	\$222	\$117	\$70	\$409	\$96,371	0.09
SAINT CROIX	653.47	21.68	8.4	1	8	2	2	16,486	1,274	15,212	1.9	0	0	0	120.0	722.0	\$187	\$116	\$102	\$405	\$264,461	0.09
PIERCE	368.08	22.80	13.6	0	10	1	2	6,425	780	5,645	2.1	0	0	0	151.0	304.0	\$202	\$92	\$78	\$373	\$137,388	0.09
<b>Region Total</b>	--	--	--	--	--	--	--	158,585	24,063	134,522	--	0	0	124	--	--	--	--	--	--	\$4,718,121	
<b>Region Average</b>	35.07	16.0		6.1	12.5	6.1	4.1	7,929	1,203	6,726	3.0	0	0	6	414.6	399.7	\$299	\$179	\$121	\$600	\$235,906	0.09

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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		
MILWAUKEE	1574.67	40.43	25.9	3	10	0	4	55,265	15,152	40,113	9.6	0	0	0	3623.0	5019.0	\$756	\$428	\$507	\$1,691	\$2,662,418	0.24
WASHINGTON	591.04	53.26	42.1	11	15	10	4	16,230	4,328	11,902	7.3	0	0	0	1372.0	1585.0	\$666	\$419	\$315	\$1,400	\$827,576	0.14
KENOSHA	674.4	31.82	3.0	1	10	4	1	13,300	2,771	10,529	4.1	0	0	9	1329.0	1499.0	\$329	\$363	\$298	\$990	\$667,387	0.13
WAUKESHA	1059.84	34.02	27.2	6	9	1	2	41,600	5,597	36,003	5.3	0	0	14	1363.0	1924.0	\$421	\$264	\$220	\$905	\$958,650	0.16
OZAUKEE	321.1	31.67	30.0	8	10	3	5	9,951	1,462	8,489	4.6	0	0	0	537.0	506.0	\$374	\$279	\$218	\$871	\$279,656	0.14
RACINE	774.85	24.54	12.9	11	10	0	3	18,000	2,157	15,843	2.8	0	0	0	503.0	633.0	\$239	\$122	\$110	\$471	\$365,084	0.11
WALWORTH	697.33	16.95	10.5	11	7	4	0	19,050	837	18,213	1.2	0	0	0	412.0	384.0	\$139	\$88	\$76	\$302	\$210,937	0.07
<b>Region Total</b>	--	--	--	--	--	--	--	173,396	32,304	141,092	--	0	0	23	--	--	--	--	--	--	\$5,971,708	
<b>Region Average</b>	33.24	21.7		7.3	10.1	3.1	2.7	24,771	4,615	20,156	5.0	0	0	3	1305.6	1650.0	\$418	\$280	\$249	\$947	\$853,101	0.14

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Region SW 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		
COLUMBIA	801.13	45.99	29.9	15	11	14	7	24,992	6,676	18,316	8.3	0	0	146	1580.0	1667.0	\$898	\$365	\$245	\$1,508	\$1,208,289	0.18
IOWA	457.1	36.66	33.1	9	14	1	3	8,478	2,605	5,873	5.7	0	0	19	1139.0	1109.0	\$559	\$380	\$315	\$1,254	\$573,188	0.16
DODGE	667.73	38.65	41.0	11	12	7	2	19,970	4,155	15,815	6.2	0	0	110	1352.0	1655.0	\$534	\$405	\$285	\$1,225	\$818,046	0.16
JUNEAU	500.96	33.17	27.2	6	12	7	1	10,569	2,969	7,600	5.9	0	0	0	798.0	911.0	\$651	\$280	\$205	\$1,136	\$569,165	0.18
SAUK	594.09	24.42	19.1	0	7	2	1	16,268	3,330	12,938	5.6	0	0	0	780.0	1100.0	\$603	\$240	\$189	\$1,033	\$613,126	0.23
JEFFERSON	552.87	46.81	35.5	7	15	10	3	16,157	1,417	14,740	2.6	0	0	231	1200.0	1538.0	\$242	\$445	\$318	\$1,004	\$555,313	0.05
DANE	1665.78	28.90	19.8	10	10	0	2	53,583	7,145	46,438	4.3	0	0	3	1499.0	3894.0	\$399	\$270	\$330	\$999	\$1,663,553	0.15
MONROE	679.49	36.90	25.7	6	10	5	6	13,755	3,617	10,138	5.3	0	0	0	846.0	1185.0	\$546	\$262	\$165	\$974	\$661,808	0.14
GRANT	646.92	40.39	38.7	0	11	11	2	10,132	3,211	6,921	5.0	0	0	1118	1027.0	1158.0	\$488	\$294	\$190	\$971	\$628,369	0.12
VERNON	469.79	57.12	23.3	7	18	12	3	6,988	2,273	4,715	4.8	0	0	0	754.0	902.0	\$470	\$292	\$184	\$946	\$444,328	0.08
ROCK	791.89	26.36	24.6	5	10	1	2	15,286	3,087	12,199	3.9	0	0	16	819.0	1977.0	\$355	\$279	\$305	\$940	\$744,318	0.15
GREEN	311.98	49.58	30.4	5	16	7	3	3,846	935	2,911	3.0	0	0	7	575.0	622.0	\$353	\$327	\$212	\$892	\$278,321	0.06
LAFAYETTE	294.51	45.91	32.3	4	17	5	2	3,507	1,151	2,356	3.9	0	0	859	536.0	485.0	\$399	\$272	\$182	\$853	\$251,350	0.09
CRAWFORD	398.22	52.27	33.1	5	12	14	6	5,072	1,359	3,713	3.4	0	0	107	667.0	538.0	\$338	\$242	\$171	\$751	\$299,054	0.07
RICHLAND	321.78	24.24	22.0	4	6	12	2	3,652	938	2,714	2.9	0	0	94	493.0	365.0	\$322	\$219	\$128	\$668	\$215,049	0.12
LA CROSSE	483.56	9.07	11.0	0	3	2	0	10,461	397	10,064	0.8	0	0	0	71.0	293.0	\$89	\$65	\$55	\$209	\$101,097	0.09
<b>Region Total</b>	--	--	--	--	--	--	--	222,716	45,265	177,451	--	0	0	2710	--	--	--	--	--	--	\$9,624,374	
<b>Region Average</b>	37.28	27.9		5.9	11.5	6.9	2.8	13,920	2,829	11,091	4.5	0	0	169	883.5	1212.4	\$453	\$290	\$218	\$960	\$601,523	0.13

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From Winter Storm Reports, 2023-2024

*General Notes: 1) Costs shown in table are estimated and do not include the Administrative Costs; 2) Material Costs includes Brine, Salt, Sand, and other Deicing and Anti-icing Agents; 3) Equipment Costs are based on an estimated \$90 per hour per unit; 4) Labor Costs are based on each County's average labor rate; 5) Total Salt Available = salt in sheds plus "early fill" plus "seasonal fill" plus "vendor reserve" available. 6) Some Material Costs are estimated. 7) Severity Indices in this table are not the official MDSS severity index used by WisDOT in other reports. 8) This report is sorted by TOTAL Cost per Lane Mile.*

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		
<b>Statewide Total</b>	--	--	--	--	--	--	778,295	141,337	636,958	--	0	24	4279.0	--	--	--	--	--	--	\$29,342,063	--
<b>Statewide Average</b>	38.62	24.3	6.2	12.6	6.1	3.8	10,810	1,963	8,847	3.7	0.0	0.3	59.4	682.8	788.4	\$371	\$243	\$176	\$790	\$407,529	0.10