

Storm Report Summary - Thru Week 9 (12/28/23)

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	18.91	21.0	0	7	2	2	6,813	590	6,223	2.5	0	0	2	200.0	153.0	\$269	\$161	\$83	\$514	\$123,539	0.13
VILAS	307.73	36.52	16.7	1	14	6	5	8,775	592	8,183	1.9	0	0	55	626.0	0.0	\$216	\$178	\$85	\$479	\$147,431	0.05
MENOMINEE	90.66	11.44	8.0	0	4	4	1	2,365	204	2,161	2.3	0	0	0	54.0	26.0	\$219	\$79	\$40	\$339	\$30,696	0.20
ONEIDA	395.39	30.06	15.2	2	8	9	5	10,347	390	9,957	1.0	0	0	14	492.0	200.0	\$101	\$123	\$92	\$316	\$124,995	0.03
PORTAGE	531.62	16.72	9.1	5	8	0	1	9,000	384	8,616	0.7	0	0	0	329.0	340.0	\$76	\$113	\$72	\$262	\$139,095	0.04
LINCOLN	399.39	13.90	7.8	7	6	2	2	6,729	364	6,365	0.9	0	0	53	266.0	132.0	\$130	\$77	\$53	\$259	\$103,476	0.07
ADAMS	202.74	15.99	8.3	3	7	0	1	4,280	221	4,059	1.1	0	0	0	177.0	0.0	\$145	\$70	\$40	\$255	\$51,639	0.07
FOREST	314.49	27.33	18.5	1	11	0	3	7,614	536	7,078	1.7	0	0	0	116.0	73.0	\$170	\$55	\$30	\$254	\$79,980	0.06
MARQUETTE	246.61	17.22	7.0	4	7	0	2	4,857	182	4,675	0.7	0	0	0	121.0	138.0	\$99	\$90	\$63	\$252	\$62,174	0.04
PRICE	319.53	13.49	5.2	2	6	2	2	5,925	322	5,603	1.0	0	0	0	197.0	111.0	\$115	\$87	\$49	\$250	\$79,960	0.07
MARATHON	905.42	9.32	6.1	5	5	1	0	14,350	924	13,426	1.0	0	0	0	323.0	551.0	\$116	\$82	\$53	\$250	\$226,397	0.11
FLORENCE	137.43	11.61	8.1	0	6	2	0	3,735	202	3,533	1.5	0	0	2	58.0	25.0	\$147	\$50	\$28	\$225	\$30,937	0.13
SHAWANO	530.27	14.03	10.0	2	5	3	0	9,381	542	8,839	1.0	0	0	0	151.0	280.0	\$93	\$68	\$48	\$209	\$110,932	0.07
LANGLADE	300.29	14.94	11.0	3	7	2	0	5,257	200	5,057	0.7	0	0	0	117.0	119.0	\$76	\$67	\$43	\$186	\$55,942	0.04
WOOD	443.36	8.66	5.5	11	4	1	0	7,100	300	6,800	0.7	0	0	0	165.0	171.0	\$74	\$61	\$42	\$176	\$78,235	0.08
WAUPACA	556.87	14.92	9.0	2	4	6	0	11,200	552	10,648	1.0	0	0	0	98.0	215.0	\$86	\$48	\$35	\$169	\$94,183	0.07
WAUSHARA	343.69	6.97	7.5	0	3	0	0	4,086	173	3,913	0.5	0	0	0	18.0	107.0	\$53	\$33	\$23	\$109	\$37,561	0.07
GREEN LAKE	154.11	5.58	5.0	0	2	1	0	1,830	77	1,753	0.5	0	0	0	8.0	38.0	\$52	\$25	\$19	\$95	\$14,704	0.09
Region Total	--	--	--	--	--	--	--	123,644	6,755	116,889	--	0	0	126	--	--	--	--	--	--	\$1,591,874	
Region Average	15.98	9.9	9.9	2.7	6.3	2.3	1.3	6,869	375	6,494	1.1	0	0	7	195.3	148.8	\$124	\$81	\$50	\$256	\$88,437	0.08

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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		
DOOR	267.29	16.47	7.1	2	6	5	0	4,988	470	4,518	1.8	0	0	0	52.0	246.0	\$167	\$100	\$83	\$350	\$93,663	0.11
BROWN	860.16	13.06	9.2	18	6	1	0	20,338	1,030	19,308	1.2	0	0	0	184.0	768.0	\$106	\$100	\$73	\$279	\$239,309	0.09
MANITOWOC	419.96	6.00	5.0	13	3	0	0	8,700	379	8,321	0.9	0	0	0	346.0	52.0	\$112	\$85	\$42	\$239	\$100,433	0.15
SHEBOYGAN	543.53	13.48	10.1	9	5	5	1	10,434	345	10,089	0.6	0	0	0	169.0	301.0	\$95	\$75	\$61	\$231	\$125,491	0.05
MARINETTE	414.39	20.85	7.2	10	7	3	3	9,050	491	8,559	1.2	0	0	0	126.0	159.0	\$119	\$62	\$45	\$226	\$93,704	0.06
CALUMET	219.46	11.21	6.5	4	3	4	0	2,625	175	2,450	0.8	0	0	0	117.0	102.0	\$89	\$77	\$60	\$225	\$49,488	0.07
WINNEBAGO	688.27	8.38	7.0	6	3	3	0	11,886	545	11,341	0.8	0	0	0	171.0	377.0	\$91	\$58	\$54	\$203	\$139,464	0.09
FOND DU LAC	611.86	7.01	8.0	0	3	0	0	11,240	551	10,689	0.9	0	0	0	42.0	251.0	\$84	\$40	\$36	\$160	\$98,147	0.13
OUTAGAMIE	567.52	6.70	5.0	0	2	1	0	11,682	425	11,257	0.7	0	0	0	125.0	222.0	\$81	\$33	\$42	\$156	\$88,558	0.11
OCONTO	481.73	7.96	5.0	3	3	4	0	7,241	243	6,998	0.5	0	0	0	57.0	201.0	\$49	\$45	\$36	\$130	\$62,712	0.06
KEWAUNEE	126.39	14.57	8.1	0	4	3	2	1,770	65	1,705	0.5	0	0	0	20.0	39.0	\$51	\$42	\$31	\$124	\$15,649	0.04
Region Total	--	--	--	--	--	--	--	99,954	4,719	95,235	--	0	0	0	--	--	--	--	--	--	\$1,106,618	
Region Average	11.43	7.1		5.9	4.1	2.6	0.5	9,087	429	8,658	0.9	0	0	0	128.1	247.1	\$95	\$65	\$51	\$211	\$100,602	0.09

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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	13.14	5.0	0	3	7	0	9,261	828	8,433	2.0	0	0	0	173.0	237.0	\$195	\$78	\$64	\$336	\$141,340	0.15
DOUGLAS	465.66	21.33	8.5	19	9	3	3	10,432	842	9,590	1.8	0	0	0	515.0	112.0	\$150	\$108	\$59	\$317	\$147,615	0.08
JACKSON	520.32	12.78	7.5	5	5	5	4	11,703	850	10,853	1.6	0	0	0	238.0	240.0	\$174	\$81	\$48	\$303	\$157,748	0.13
DUNN	521.2	21.10	9.2	1	9	2	0	13,635	881	12,754	1.7	0	0	0	243.0	216.0	\$167	\$77	\$56	\$300	\$156,355	0.08
ASHLAND	255.69	21.55	14.3	6	8	2	3	4,475	315	4,160	1.2	0	0	0	187.0	86.0	\$142	\$93	\$58	\$294	\$75,148	0.06
CLARK	401.81	12.04	10.0	3	5	0	1	7,260	644	6,616	1.6	0	0	0	81.0	147.0	\$184	\$52	\$32	\$268	\$107,557	0.13
BAYFIELD	345.31	15.57	8.8	3	6	6	0	7,541	390	7,151	1.1	0	0	0	319.0	48.0	\$108	\$99	\$53	\$260	\$89,816	0.07
EAU CLAIRE	531.32	11.89	5.4	1	6	1	0	11,842	644	11,198	1.2	0	0	0	454.0	44.0	\$131	\$76	\$48	\$254	\$135,005	0.10
PEPIN	109.41	12.88	5.8	3	5	1	2	1,202	64	1,138	0.6	0	0	0	106.0	48.0	\$64	\$109	\$71	\$244	\$26,648	0.05
TAYLOR	232.44	16.61	9.2	2	8	1	2	4,338	231	4,107	1.0	0	0	0	93.0	89.0	\$132	\$64	\$42	\$238	\$55,319	0.06
BARRON	428.61	17.47	5.7	3	6	4	2	7,000	477	6,523	1.1	0	0	0	238.0	155.0	\$101	\$77	\$56	\$234	\$100,272	0.06
WASHBURN	385.68	10.33	4.5	12	5	1	0	7,845	386	7,459	1.0	0	0	0	231.0	106.0	\$94	\$78	\$51	\$223	\$86,047	0.10
RUSK	213.1	14.33	8.0	1	6	3	0	3,249	178	3,071	0.8	0	0	0	121.0	51.0	\$85	\$58	\$44	\$187	\$39,891	0.06
CHIPPEWA	653.17	12.66	6.5	2	5	1	1	13,874	538	13,336	0.8	0	0	0	143.0	261.0	\$85	\$54	\$38	\$177	\$115,335	0.07
PIERCE	368.08	10.06	6.5	0	5	0	0	6,425	389	6,036	1.1	0	0	0	78.0	124.0	\$100	\$41	\$34	\$176	\$64,707	0.11
SAWYER	357.2	14.84	5.5	0	5	5	0	5,750	312	5,438	0.9	0	0	0	148.0	102.0	\$82	\$53	\$36	\$172	\$61,348	0.06
BUFFALO	311.87	17.81	5.4	5	8	1	2	3,478	237	3,241	0.8	0	0	0	148.0	59.0	\$79	\$51	\$31	\$162	\$50,475	0.04
BURNETT	235.35	12.73	3.9	4	4	2	3	3,715	189	3,526	0.8	0	0	0	54.0	67.0	\$80	\$48	\$28	\$156	\$36,777	0.06
SAINT CROIX	653.47	9.19	4.0	0	3	1	1	16,486	467	16,019	0.7	0	0	0	88.0	174.0	\$67	\$36	\$30	\$133	\$86,794	0.08
POLK	374.54	11.24	7.0	3	4	3	0	9,074	247	8,827	0.7	0	0	0	141.0	55.0	\$61	\$43	\$27	\$131	\$49,140	0.06
Region Total	--	--	--	--	--	--	--	158,585	9,109	149,476	--	0	0	0	--	--	--	--	--	--	\$1,783,340	
Region Average	14.48	7.0	7.0	3.7	5.8	2.5	1.2	7,929	455	7,474	1.1	0	0	0	190.0	121.1	\$114	\$69	\$45	\$228	\$89,167	0.08

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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		
WASHINGTON	591.04	16.96	8.8	8	6	5	1	16,230	813	15,417	1.4	0	0	0	236.0	354.0	\$127	\$85	\$65	\$277	\$163,695	0.08
MILWAUKEE	1574.67	5.80	4.4	0	2	0	0	55,265	1,562	53,703	1.0	0	0	0	288.0	948.0	\$79	\$60	\$78	\$217	\$342,100	0.17
WALWORTH	697.33	12.00	7.0	6	4	4	0	19,050	513	18,537	0.7	0	0	0	195.0	352.0	\$86	\$61	\$56	\$202	\$140,695	0.06
OZAUKEE	321.1	8.02	7.0	5	3	1	0	9,951	317	9,634	1.0	0	0	0	89.0	88.0	\$82	\$48	\$37	\$167	\$53,741	0.12
WAUKESHA	1059.84	6.53	6.0	1	3	0	0	41,600	981	40,619	0.9	0	0	0	302.0	280.0	\$73	\$43	\$37	\$153	\$162,288	0.14
KENOSHA	674.4	8.99	1.0	0	4	0	1	13,300	423	12,877	0.6	0	0	0	356.0	0.0	\$50	\$72	\$30	\$152	\$102,711	0.07
RACINE	774.85	8.39	6.6	4	4	0	1	18,000	510	17,490	0.7	0	0	0	136.0	238.0	\$57	\$40	\$37	\$134	\$104,216	0.08
Region Total	--	--	--	--	--	--	--	173,396	5,119	168,277	--	0	0	0	--	--	--	--	--	--	\$1,069,446	
Region Average	9.53	5.8		3.4	3.7	1.4	0.4	24,771	731	24,040	0.9	0	0	0	228.9	322.9	\$79	\$59	\$48	\$186	\$152,778	0.10

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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		
MONROE	679.49	13.55	7.2	2	6	0	3	13,755	1,299	12,456	1.9	0	0	0	209.0	427.0	\$194	\$82	\$54	\$330	\$224,174	0.14
JUNEAU	500.96	11.66	6.2	3	6	0	0	10,569	819	9,750	1.6	0	0	0	237.0	259.0	\$186	\$78	\$59	\$323	\$161,639	0.14
DODGE	667.73	12.76	12.0	10	5	2	0	19,970	987	18,983	1.5	0	0	0	295.0	411.0	\$135	\$95	\$68	\$298	\$198,980	0.12
DANE	1665.78	12.05	4.8	5	5	0	1	53,583	1,593	51,990	1.0	0	0	0	261.0	1246.0	\$91	\$72	\$96	\$259	\$430,914	0.08
VERNON	469.79	17.96	5.0	6	9	2	0	6,988	451	6,537	1.0	0	0	0	127.0	281.0	\$99	\$72	\$48	\$219	\$102,849	0.05
COLUMBIA	801.13	10.98	2.7	8	3	5	1	24,992	828	24,164	1.0	0	0	0	200.0	321.0	\$116	\$59	\$41	\$216	\$172,779	0.09
IOWA	457.1	10.71	4.6	5	6	0	0	8,478	313	8,165	0.7	0	0	0	227.0	224.0	\$75	\$71	\$63	\$210	\$96,037	0.06
SAUK	594.09	6.12	5.0	0	3	1	0	16,268	581	15,687	1.0	0	0	0	37.0	398.0	\$105	\$50	\$49	\$204	\$121,004	0.16
ROCK	791.89	9.06	6.0	3	5	0	0	15,286	440	14,846	0.6	0	0	0	207.0	502.0	\$52	\$55	\$77	\$184	\$146,081	0.06
GREEN	311.98	14.99	9.1	3	7	1	0	3,846	176	3,670	0.6	0	0	0	108.0	123.0	\$70	\$64	\$41	\$175	\$54,723	0.04
CRAWFORD	398.22	23.23	6.1	4	6	4	4	5,072	268	4,804	0.7	0	0	0	182.0	87.0	\$69	\$59	\$36	\$164	\$65,456	0.03
GRANT	646.92	13.10	8.5	0	5	2	0	10,132	515	9,617	0.8	0	0	247	152.0	202.0	\$82	\$47	\$31	\$160	\$103,774	0.06
LAFAYETTE	294.51	13.30	6.1	2	6	2	0	3,507	193	3,314	0.7	0	0	135	98.0	100.0	\$68	\$55	\$36	\$159	\$46,704	0.05
RICHLAND	321.78	6.18	5.0	3	3	3	0	3,652	190	3,462	0.6	0	0	0	142.0	60.0	\$71	\$51	\$28	\$150	\$48,406	0.10
JEFFERSON	552.87	12.15	7.5	6	6	1	0	16,157	114	16,043	0.2	0	0	0	139.0	210.0	\$25	\$57	\$41	\$123	\$68,035	0.02
Region Total	--	--	--	--	--	--	--	212,255	8,767	203,488	--	0	0	382	--	--	--	--	--	--	\$2,041,556	
Region Average	12.52	6.4	6.4	4.0	5.4	1.5	0.6	14,150	584	13,566	0.9	0	0	25	174.7	323.4	\$96	\$64	\$51	\$212	\$136,104	0.08

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			Anti-Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
Statewide Total	--	--	--	--	--	--	767,834	34,469	733,365	--	0	0	508.0	--	--	--	--	--	--	\$7,592,834	--
Statewide Average	13.48	7.5	3.8	5.4	2.1	0.9	10,815	485	10,329	1.0	0.0	0.0	7.2	182.4	210.3	\$106	\$69	\$49	\$225	\$106,941	0.08