

# Storm Report Summary - Thru Week 19 (3/7/24)

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	77.22	59.6	0	25	13	9	6,813	1,807	5,006	7.5	0	0	34	544.0	491.0	\$828	\$406	\$248	\$1,482	\$356,441	0.10
VILAS	307.73	107.65	47.6	4	39	12	20	8,775	1,439	7,336	4.7	0	0	387	1623.0	36.0	\$551	\$468	\$228	\$1,246	\$381,937	0.04
MENOMINEE	90.66	52.96	34.7	0	19	6	8	2,365	748	1,617	8.3	0	0	9	191.0	89.0	\$803	\$279	\$140	\$1,222	\$110,797	0.16
FLORENCE	137.43	63.10	32.6	2	21	8	5	3,735	915	2,820	6.7	0	0	13	338.0	125.0	\$683	\$251	\$155	\$1,089	\$149,722	0.11
MARQUETTE	246.61	55.32	37.5	12	19	3	6	4,857	1,030	3,827	4.2	0	0	16	419.0	472.0	\$516	\$341	\$217	\$1,073	\$264,250	0.08
FOREST	314.49	87.85	50.8	1	32	4	11	7,614	1,923	5,691	6.1	0	0	0	566.0	425.0	\$600	\$269	\$161	\$1,031	\$324,084	0.07
SHAWANO	530.27	69.20	40.5	5	18	15	6	9,381	2,574	6,807	4.9	0	0	8	1214.0	961.0	\$432	\$373	\$224	\$1,029	\$545,904	0.07
ONEIDA	395.39	84.01	38.6	5	23	13	19	10,347	1,287	9,060	3.3	0	0	147	1496.0	537.0	\$348	\$367	\$269	\$984	\$388,778	0.04
PORTAGE	531.62	55.55	29.8	13	18	8	8	9,000	1,529	7,471	2.9	0	0	33	1578.0	934.0	\$302	\$423	\$255	\$980	\$521,176	0.05
MARATHON	905.42	67.50	21.2	15	20	11	9	14,350	3,266	11,084	3.6	0	0	43	1617.0	1875.0	\$424	\$331	\$202	\$957	\$866,511	0.05
ADAMS	202.74	52.13	33.6	9	16	5	6	4,280	745	3,535	3.7	0	0	16	464.0	115.0	\$524	\$236	\$143	\$903	\$183,003	0.07
PRICE	319.53	68.44	26.0	10	25	3	14	5,925	958	4,967	3.0	0	0	0	649.0	480.0	\$369	\$318	\$183	\$870	\$278,128	0.04
WAUPACA	556.87	49.01	34.7	2	12	13	3	11,200	2,706	8,494	4.9	0	0	0	721.0	890.0	\$420	\$254	\$170	\$844	\$469,982	0.10
WOOD	443.36	58.71	25.9	17	20	6	10	7,100	1,642	5,458	3.7	0	0	89	711.0	823.0	\$384	\$266	\$192	\$842	\$373,356	0.06
LINCOLN	399.39	63.97	32.4	12	21	6	12	6,729	1,121	5,608	2.8	0	0	256	876.0	431.0	\$390	\$261	\$173	\$824	\$329,286	0.04
WAUSHARA	343.69	48.47	37.8	1	16	5	3	4,086	1,003	3,083	2.9	0	0	49	629.0	411.0	\$320	\$266	\$163	\$749	\$257,357	0.06
LANGLADE	300.29	69.20	36.6	9	24	5	10	5,257	785	4,472	2.6	0	0	1	593.0	333.0	\$306	\$262	\$160	\$728	\$218,475	0.04
GREEN LAKE	154.11	41.86	37.3	1	13	7	3	1,830	456	1,374	3.0	0	0	0	226.0	217.0	\$312	\$236	\$164	\$712	\$109,731	0.07
<b>Region Total</b>	--	--	--	--	--	--	--	123,644	25,934	97,710	--	0	0	1101	--	--	--	--	--	--	\$6,128,921	
<b>Region Average</b>	65.12	36.5		6.6	21.2	7.9	9.0	6,869	1,441	5,428	4.4	0	0	61	803.1	535.8	\$473	\$311	\$192	\$976	\$340,496	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	29.07	27.7	23	12	2	0	8,700	3,478	5,222	8.3	0	0	140	1675.0	731.0	\$778	\$516	\$276	\$1,570	\$659,308	0.28
OUTAGAMIE	567.52	52.12	29.5	1	12	19	1	11,682	3,761	7,921	6.6	0	0	0	1794.0	1113.0	\$684	\$340	\$321	\$1,345	\$763,370	0.13
SHEBOYGAN	543.53	56.83	51.3	15	17	18	3	10,434	2,055	8,379	3.8	0	0	52	1384.0	1559.0	\$498	\$468	\$368	\$1,334	\$725,089	0.07
BROWN	860.16	47.73	46.6	41	18	4	4	20,338	5,413	14,925	6.3	0	0	26	1879.0	2736.0	\$513	\$481	\$327	\$1,320	\$1,135,129	0.13
CALUMET	219.46	53.61	36.6	17	13	19	3	2,625	826	1,799	3.8	0	0	0	875.0	455.0	\$402	\$474	\$345	\$1,220	\$267,811	0.07
MARINETTE	414.39	78.09	41.2	28	25	13	10	9,050	2,464	6,586	5.9	0	0	0	986.0	724.0	\$548	\$352	\$257	\$1,157	\$479,591	0.08
FOND DU LAC	611.86	46.21	37.0	4	15	7	4	11,240	2,923	8,317	4.8	0	0	142	1086.0	1538.0	\$481	\$342	\$295	\$1,118	\$684,241	0.10
DOOR	267.29	55.49	41.7	7	16	19	1	4,988	1,229	3,759	4.6	0	0	48	349.0	671.0	\$455	\$343	\$268	\$1,066	\$284,904	0.08
KEWAUNEE	126.39	59.40	46.1	2	15	14	8	1,770	544	1,226	4.3	0	0	210	237.0	195.0	\$470	\$308	\$209	\$987	\$124,544	0.07
WINNEBAGO	688.27	39.56	34.3	12	12	10	2	11,886	2,602	9,284	3.8	0	18	10	1317.0	1561.0	\$364	\$313	\$267	\$945	\$650,283	0.10
OCONTO	481.73	61.26	31.7	14	15	13	8	7,241	1,495	5,746	3.1	0	0	0	842.0	763.0	\$305	\$273	\$199	\$777	\$374,209	0.05
<b>Region Total</b>	--	--	--	--	--	--	--	99,954	26,790	73,164	--	0	18	628	--	--	--	--	--	--	\$6,148,478	
<b>Region Average</b>		52.67	38.5	14.9	15.5	12.5	4.0	9,087	2,435	6,651	5.0	0	2	57	1129.5	1095.1	\$500	\$383	\$285	\$1,167	\$558,953	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	38.12	23.1	9	11	14	0	9,261	2,711	6,550	6.5	0	0	0	892.0	740.0	\$656	\$315	\$241	\$1,212	\$509,308	0.17
DOUGLAS	465.66	72.40	34.1	37	29	13	9	10,432	2,833	7,599	6.1	0	0	0	1693.0	487.0	\$505	\$377	\$209	\$1,092	\$508,467	0.08
BAYFIELD	345.31	78.44	39.4	5	29	15	3	7,541	1,702	5,839	4.9	0	0	18	1079.0	380.0	\$468	\$378	\$222	\$1,068	\$368,694	0.06
ASHLAND	255.69	69.39	44.4	8	25	7	9	4,475	1,236	3,239	4.8	0	0	3	548.0	330.0	\$536	\$297	\$192	\$1,025	\$262,094	0.07
EAU CLAIRE	531.32	38.25	16.1	6	15	1	4	11,842	2,569	9,273	4.8	0	0	0	1487.0	385.0	\$532	\$288	\$190	\$1,011	\$536,936	0.13
JACKSON	520.32	42.43	22.6	20	13	14	11	11,703	2,648	9,055	5.1	0	0	0	860.0	719.0	\$553	\$264	\$157	\$973	\$506,509	0.12
CLARK	401.81	30.73	19.6	4	11	9	3	7,260	2,128	5,132	5.3	0	0	3	411.0	544.0	\$605	\$213	\$130	\$947	\$380,460	0.17
DUNN	521.2	46.26	23.3	6	19	5	3	13,635	2,726	10,910	5.2	0	0	0	655.0	725.0	\$518	\$231	\$173	\$922	\$480,648	0.11
BARRON	428.61	52.01	19.1	3	16	14	10	7,000	1,741	5,259	4.1	0	2	202	920.0	561.0	\$377	\$288	\$208	\$873	\$374,064	0.08
PEPIN	109.41	36.37	17.9	9	12	4	6	1,202	258	944	2.4	0	0	0	287.0	188.0	\$252	\$364	\$228	\$844	\$92,324	0.06
WASHBURN	385.68	51.68	13.9	18	18	3	9	7,845	1,586	6,259	4.1	0	0	0	565.0	449.0	\$387	\$236	\$161	\$784	\$302,523	0.08
POLK	374.54	47.10	27.0	15	15	16	0	9,074	1,504	7,570	4.0	0	0	3	529.0	443.0	\$378	\$214	\$144	\$736	\$275,584	0.09
RUSK	213.1	66.96	25.2	6	19	6	13	3,249	725	2,524	3.4	0	0	0	304.0	269.0	\$346	\$220	\$158	\$724	\$154,264	0.05
CHIPPEWA	653.17	36.14	16.1	5	12	5	4	13,874	1,941	11,933	3.0	0	0	47	525.0	1167.0	\$305	\$215	\$160	\$681	\$444,914	0.08
SAWYER	357.2	58.51	22.7	0	21	11	6	5,750	1,260	4,490	3.5	0	0	0	497.0	369.0	\$332	\$187	\$127	\$646	\$230,698	0.06
TAYLOR	232.44	45.34	23.1	3	18	4	7	4,338	619	3,719	2.7	0	0	0	205.0	265.0	\$358	\$169	\$111	\$639	\$148,554	0.06
BUFFALO	311.87	50.44	20.8	7	18	6	7	3,478	888	2,590	2.8	0	0	0	398.0	337.0	\$291	\$188	\$119	\$597	\$186,112	0.06
BURNETT	235.35	36.31	12.1	7	13	3	10	3,715	762	2,953	3.2	0	0	6	201.0	216.0	\$323	\$158	\$95	\$576	\$135,621	0.09
SAINT CROIX	653.47	26.40	16.4	1	10	2	2	16,486	1,823	14,663	2.8	0	0	2	244.0	912.0	\$267	\$159	\$137	\$563	\$367,731	0.11
PIERCE	368.08	26.42	13.6	4	10	4	2	6,425	892	5,533	2.4	0	0	0	302.0	329.0	\$234	\$123	\$103	\$460	\$169,155	0.09
<b>Region Total</b>	--	--	--	--	--	--	--	158,585	32,552	126,034	--	0	2	284	--	--	--	--	--	--	\$6,434,660	
<b>Region Average</b>	47.48	22.5		8.7	16.7	7.8	5.9	7,929	1,628	6,302	4.1	0	0	14	630.1	490.8	\$411	\$244	\$163	\$819	\$321,733	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	48.82	28.3	5	13	0	5	55,265	17,673	37,592	11.2	0	0	0	4768.0	5479.0	\$883	\$506	\$591	\$1,979	\$3,116,728	0.23
WASHINGTON	591.04	66.78	48.2	18	19	12	6	16,230	4,993	11,237	8.4	0	0	0	1613.0	1781.0	\$771	\$480	\$360	\$1,612	\$952,821	0.13
WAUKESHA	1059.84	50.15	40.7	11	13	3	4	41,600	9,264	32,336	8.7	0	0	14	3583.0	2037.0	\$699	\$439	\$344	\$1,481	\$1,569,878	0.17
WALWORTH	697.33	59.34	43.3	23	20	10	4	19,050	4,631	14,419	6.6	0	0	12	1990.0	1935.0	\$649	\$420	\$376	\$1,445	\$1,007,967	0.11
KENOSHA	674.4	51.79	4.0	3	16	7	4	13,300	3,636	9,664	5.4	0	0	9	2236.0	1596.0	\$432	\$481	\$385	\$1,298	\$875,165	0.10
RACINE	774.85	59.01	35.5	20	24	0	6	18,000	4,215	13,785	5.4	0	0	0	1818.0	1520.0	\$472	\$352	\$309	\$1,133	\$877,637	0.09
OZAUKEE	321.1	39.74	35.1	10	14	4	5	9,951	1,649	8,302	5.1	0	0	0	671.0	560.0	\$423	\$330	\$254	\$1,008	\$323,552	0.13
<b>Region Total</b>	--	--	--	--	--	--	--	173,396	46,061	127,335	--	0	0	35	--	--	--	--	--	--	\$8,723,749	
<b>Region Average</b>	53.66	33.6		12.9	17.0	5.1	4.9	24,771	6,580	18,191	7.3	0	0	5	2382.7	2129.7	\$618	\$430	\$374	\$1,422	\$1,246,250	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		
DANE	1665.78	54.80	34.7	15	18	0	5	53,583	13,838	39,745	8.3	0	0	171	3169.0	7834.0	\$773	\$566	\$671	\$2,010	\$3,347,902	0.15
COLUMBIA	801.13	59.45	37.1	22	14	18	9	24,992	7,281	17,711	9.1	0	0	146	2283.0	1828.0	\$991	\$462	\$302	\$1,755	\$1,405,889	0.15
DODGE	667.73	45.24	47.0	21	15	8	2	19,970	4,631	15,339	6.9	0	0	110	1588.0	1862.0	\$598	\$465	\$326	\$1,390	\$927,892	0.15
JUNEAU	500.96	41.93	31.2	9	15	10	1	10,569	3,430	7,139	6.8	0	0	0	920.0	1096.0	\$758	\$351	\$243	\$1,352	\$677,076	0.16
IOWA	457.1	46.65	35.3	12	17	3	6	8,478	2,694	5,784	5.9	0	0	19	1222.0	1191.0	\$585	\$406	\$339	\$1,330	\$607,947	0.13
ROCK	791.89	41.03	31.5	9	17	2	3	15,286	4,064	11,222	5.1	0	0	16	1318.0	2422.0	\$477	\$380	\$399	\$1,256	\$994,723	0.13
SAUK	594.09	32.75	19.8	0	10	3	2	16,268	3,919	12,349	6.6	0	0	0	1026.0	1295.0	\$709	\$289	\$230	\$1,229	\$729,630	0.20
MONROE	679.49	49.47	28.8	8	15	7	7	13,755	4,381	9,374	6.4	0	0	0	1005.0	1484.0	\$661	\$320	\$204	\$1,185	\$804,893	0.13
VERNON	469.79	80.13	27.2	11	25	14	7	6,988	2,622	4,366	5.6	0	0	0	921.0	1093.0	\$544	\$357	\$224	\$1,125	\$528,475	0.07
JEFFERSON	552.87	55.92	40.0	12	18	11	4	16,157	1,507	14,650	2.7	0	0	231	1302.0	1677.0	\$261	\$484	\$346	\$1,092	\$603,483	0.05
LAFAYETTE	294.51	62.63	35.2	5	23	7	4	3,507	1,493	2,014	5.1	0	0	1020	678.0	578.0	\$513	\$336	\$223	\$1,073	\$315,900	0.08
GRANT	646.92	43.61	40.7	1	12	12	2	10,132	3,297	6,835	5.1	0	0	1133	1052.0	1204.0	\$502	\$302	\$196	\$1,000	\$646,775	0.12
GREEN	311.98	54.97	31.9	8	18	9	3	3,846	1,006	2,840	3.2	0	0	7	633.0	663.0	\$389	\$352	\$229	\$970	\$302,699	0.06
CRAWFORD	398.22	66.99	35.1	7	15	21	8	5,072	1,508	3,564	3.8	0	0	107	761.0	596.0	\$376	\$273	\$192	\$842	\$335,112	0.06
RICHLAND	321.78	31.08	22.0	6	6	17	3	3,652	1,058	2,594	3.3	0	0	94	552.0	432.0	\$367	\$250	\$147	\$765	\$246,052	0.11
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	57,126	165,590	--	0	0	3054	--	--	--	--	--	--	\$12,575,544	
<b>Region Average</b>	48.48	31.8		9.1	15.1	9.0	4.1	13,920	3,570	10,349	5.3	0	0	191	1156.3	1596.8	\$537	\$354	\$270	\$1,161	\$785,972	0.11

# Storm Report Summary - Thru Week 19 (3/7/24)

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.*

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	188,463	589,833	--	0	20	5102.0	--	--	--	--	--	--	\$40,011,352	--
<b>Statewide Average</b>	53.51	31.6	9.6	17.3	8.6	5.9	10,810	2,618	8,192	4.9	0.0	0.3	70.9	1037.0	999.5	\$488	\$325	\$233	\$1,046	\$555,713	0.10