

Storm Report Summary - Thru Week 23 (4/4/24)

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	103.24	93.1	0	32	13	12	6,813	2,466	4,347	10.3	0	0	34	784.0	685.0	\$1,128	\$555	\$351	\$2,034	\$489,298	0.10
VILAS	307.73	128.57	71.6	5	46	15	23	8,775	2,381	6,394	7.7	0	0	395	1812.0	170.0	\$895	\$568	\$281	\$1,744	\$534,959	0.06
MENOMINEE	90.66	62.34	48.2	2	23	6	8	2,365	866	1,499	9.6	0	0	9	252.0	96.0	\$937	\$346	\$171	\$1,454	\$131,835	0.15
FLORENCE	137.43	77.24	52.6	4	27	10	5	3,735	1,108	2,627	8.1	0	0	13	418.0	161.0	\$837	\$327	\$195	\$1,359	\$186,784	0.10
PORTAGE	531.62	73.22	47.8	14	23	10	10	9,000	2,066	6,934	3.9	0	0	33	2273.0	1157.0	\$403	\$578	\$343	\$1,324	\$704,080	0.05
SHAWANO	530.27	85.33	70.5	6	22	16	7	9,381	3,284	6,097	6.2	0	0	8	1647.0	1106.0	\$554	\$479	\$279	\$1,312	\$695,495	0.07
MARQUETTE	246.61	65.94	49.5	13	24	3	6	4,857	1,242	3,615	5.0	0	0	16	535.0	548.0	\$613	\$412	\$261	\$1,286	\$316,602	0.08
FOREST	314.49	101.61	67.3	1	37	6	11	7,614	2,344	5,270	7.5	0	0	0	712.0	516.0	\$731	\$325	\$199	\$1,255	\$394,550	0.07
MARATHON	905.42	82.52	40.3	16	24	14	9	14,350	4,172	10,178	4.6	0	0	43	2100.0	2556.0	\$537	\$440	\$271	\$1,248	\$1,129,254	0.06
ONEIDA	395.39	93.73	55.4	7	26	13	19	10,347	1,415	8,932	3.6	0	0	156	1786.0	537.0	\$390	\$423	\$303	\$1,116	\$441,086	0.04
WAUPACA	556.87	57.46	48.7	2	15	13	3	11,200	3,243	7,957	5.8	0	0	0	974.0	1000.0	\$503	\$311	\$205	\$1,019	\$567,280	0.10
LINCOLN	399.39	79.32	47.7	12	25	7	15	6,729	1,462	5,267	3.7	0	0	335	1087.0	502.0	\$482	\$313	\$209	\$1,005	\$401,248	0.05
LANGLADE	300.29	84.91	59.1	11	28	8	10	5,257	942	4,315	3.1	0	0	1	813.0	417.0	\$367	\$345	\$211	\$923	\$277,269	0.04
WAUSHARA	343.69	60.22	52.8	2	20	6	3	4,086	1,208	2,878	3.5	0	0	49	805.0	478.0	\$392	\$330	\$199	\$921	\$316,629	0.06
ADAMS	202.74	54.15	33.6	10	16	5	7	4,280	745	3,535	3.7	0	0	16	475.0	115.0	\$533	\$241	\$145	\$919	\$186,235	0.07
PRICE	319.53	70.04	28.0	11	26	3	14	5,925	959	4,966	3.0	0	0	0	659.0	480.0	\$370	\$321	\$185	\$876	\$279,792	0.04
GREEN LAKE	154.11	49.59	47.3	1	16	7	4	1,830	560	1,270	3.6	0	0	0	269.0	254.0	\$383	\$279	\$194	\$855	\$131,839	0.07
WOOD	443.36	62.28	26.4	17	21	7	11	7,100	1,654	5,446	3.7	0	0	89	729.0	829.0	\$387	\$270	\$195	\$852	\$377,720	0.06
Region Total	--	--	--	--	--	--	--	123,644	32,117	91,527	--	0	0	1197	--	--	--	--	--	--	\$7,561,955	
Region Average	77.32	52.2		7.4	25.1	9.0	9.8	6,869	1,784	5,085	5.4	0	0	67	1007.2	644.8	\$580	\$381	\$233	\$1,194	\$420,109	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	34.16	30.8	26	15	2	0	8,700	3,883	4,817	9.2	0	0	140	1896.0	775.0	\$873	\$572	\$305	\$1,751	\$735,205	0.27
BROWN	860.16	59.76	64.6	49	22	4	4	20,338	6,861	13,477	8.0	0	0	26	2279.0	3371.0	\$645	\$683	\$401	\$1,728	\$1,485,870	0.13
OUTAGAMIE	567.52	62.27	44.5	1	16	19	1	11,682	4,177	7,505	7.4	0	0	0	1945.0	1404.0	\$771	\$385	\$376	\$1,531	\$868,829	0.12
CALUMET	219.46	67.63	53.1	18	19	19	3	2,625	1,042	1,583	4.7	0	0	0	1044.0	488.0	\$499	\$547	\$393	\$1,438	\$315,678	0.07
MARINETTE	414.39	95.04	63.7	32	32	15	10	9,050	3,073	5,977	7.4	0	0	0	1243.0	902.0	\$675	\$440	\$322	\$1,436	\$595,111	0.08
SHEBOYGAN	543.53	65.36	51.3	15	19	22	4	10,434	2,078	8,356	3.8	0	0	52	1477.0	1600.0	\$517	\$486	\$383	\$1,386	\$753,604	0.06
DOOR	267.29	68.64	56.0	8	22	20	1	4,988	1,566	3,422	5.9	0	0	48	450.0	848.0	\$577	\$437	\$340	\$1,353	\$361,727	0.09
FOND DU LAC	611.86	49.77	40.0	4	17	7	4	11,240	3,296	7,944	5.4	0	0	142	1198.0	1670.0	\$540	\$374	\$322	\$1,237	\$756,624	0.11
WINNEBAGO	688.27	49.39	45.8	13	15	11	2	11,886	3,210	8,676	4.7	0	18	10	1683.0	1796.0	\$445	\$384	\$320	\$1,148	\$790,367	0.09
KEWAUNEE	126.39	67.52	60.1	3	18	15	8	1,770	626	1,144	5.0	0	0	210	285.0	198.0	\$547	\$343	\$230	\$1,120	\$141,369	0.07
OCONTO	481.73	74.62	49.2	16	19	13	9	7,241	1,912	5,329	4.0	0	0	0	1108.0	864.0	\$384	\$337	\$241	\$962	\$463,589	0.05
Region Total	--	--	--	--	--	--	--	99,954	31,724	68,230	--	0	18	628	--	--	--	--	--	--	\$7,267,973	
Region Average	63.11	50.8	16.8	19.5	13.4	4.2	9,087	2,884	6,203	5.9	0	2	57	1328.0	1265.1	\$588	\$453	\$330	\$1,372	\$660,725	0.10	

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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	255.69	90.08	65.4	9	30	8	10	4,475	1,889	2,586	7.4	0	0	7	905.0	403.0	\$813	\$445	\$278	\$1,536	\$392,777	0.08
DOUGLAS	465.66	87.46	57.1	41	33	15	10	10,432	3,793	6,639	8.1	0	0	0	2379.0	587.0	\$676	\$512	\$281	\$1,470	\$684,332	0.09
BAYFIELD	345.31	99.05	61.7	5	34	17	3	7,541	2,374	5,167	6.9	0	0	18	1420.0	537.0	\$644	\$508	\$299	\$1,451	\$501,074	0.07
EAU CLAIRE	531.32	46.79	28.1	8	18	1	4	11,842	3,762	8,080	7.1	0	0	0	2209.0	500.0	\$774	\$402	\$272	\$1,449	\$769,692	0.15
JACKSON	520.32	60.10	39.7	23	20	15	16	11,703	3,880	7,823	7.5	0	0	0	1158.0	1055.0	\$797	\$369	\$221	\$1,387	\$721,672	0.12
CLARK	401.81	39.00	29.6	5	15	10	4	7,260	2,847	4,413	7.1	0	0	3	520.0	731.0	\$809	\$279	\$171	\$1,259	\$505,839	0.18
DUNN	521.2	54.91	36.8	7	21	6	3	13,635	3,528	10,108	6.8	0	0	0	907.0	1050.0	\$670	\$315	\$247	\$1,232	\$642,353	0.12
TREMPELEAU	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
PEPIN	109.41	45.20	28.9	10	15	4	6	1,202	364	838	3.3	0	0	0	362.0	282.0	\$352	\$478	\$315	\$1,144	\$125,174	0.07
BARRON	428.61	60.86	34.1	3	18	14	11	7,000	2,161	4,839	5.0	0	2	205	1261.0	686.0	\$466	\$381	\$271	\$1,118	\$479,006	0.08
CHIPPEWA	653.17	48.57	32.6	6	16	6	5	13,874	2,854	11,020	4.4	0	0	47	870.0	1729.0	\$448	\$324	\$244	\$1,017	\$664,193	0.09
BURNETT	235.35	48.94	34.1	8	17	4	13	3,715	1,227	2,488	5.2	0	0	6	357.0	314.0	\$517	\$255	\$149	\$922	\$217,088	0.11
WASHBURN	385.68	57.29	18.9	18	20	5	9	7,845	1,757	6,088	4.6	0	0	0	622.0	531.0	\$428	\$268	\$185	\$881	\$339,642	0.08
TAYLOR	232.44	55.28	36.1	5	22	5	7	4,338	793	3,545	3.4	0	0	0	329.0	314.0	\$460	\$232	\$148	\$840	\$195,227	0.06
SAWYER	357.2	71.69	32.7	0	26	13	6	5,750	1,625	4,125	4.5	0	0	0	617.0	441.0	\$428	\$231	\$155	\$813	\$290,540	0.06
BUFFALO	311.87	64.60	30.0	8	23	6	10	3,478	1,174	2,304	3.8	0	0	0	543.0	403.0	\$384	\$240	\$151	\$775	\$241,580	0.06
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
SAINT CROIX	653.47	31.17	19.4	1	12	2	2	16,486	2,187	14,299	3.3	0	0	2	406.0	1023.0	\$318	\$197	\$164	\$680	\$444,063	0.11
PIERCE	368.08	35.40	26.6	4	12	6	2	6,425	1,205	5,220	3.3	0	0	0	495.0	425.0	\$315	\$180	\$146	\$642	\$236,228	0.09
Region Total	--	--	--	--	--	--	--	158,585	42,360	116,226	--	0	2	291	--	--	--	--	--	--	\$8,389,634	
Region Average	57.43	34.4		9.6	19.9	8.7	6.7	7,929	2,118	5,811	5.3	0	0	15	854.3	623.2	\$534	\$318	\$212	\$1,064	\$419,482	0.10

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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	54.75	37.1	5	15	0	5	55,265	19,859	35,406	12.6	0	0	0	5771.0	5724.0	\$990	\$566	\$653	\$2,209	\$3,478,441	0.23
WASHINGTON	591.04	75.45	57.3	19	22	13	6	16,230	5,875	10,355	9.9	0	0	0	1859.0	2027.0	\$904	\$550	\$412	\$1,866	\$1,103,124	0.13
WAUKESHA	1059.84	53.09	45.7	12	14	3	4	41,600	9,846	31,754	9.3	0	0	14	3847.0	2119.0	\$743	\$464	\$364	\$1,571	\$1,665,143	0.18
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	54.09	4.5	3	17	7	4	13,300	4,047	9,253	6.0	0	0	9	2295.0	1840.0	\$481	\$517	\$421	\$1,418	\$956,398	0.11
RACINE	774.85	61.74	39.0	22	25	0	6	18,000	4,739	13,261	6.1	0	0	0	1970.0	1623.0	\$530	\$379	\$332	\$1,242	\$962,099	0.10
OZAUKEE	321.1	44.04	37.1	11	16	5	5	9,951	1,696	8,255	5.3	0	0	0	702.0	573.0	\$436	\$343	\$263	\$1,041	\$334,339	0.12
Region Total	--	--	--	--	--	--	--	173,396	50,693	122,703	--	0	0	35	--	--	--	--	--	--	\$9,507,511	
Region Average	57.50	37.7		13.6	18.4	5.4	4.9	24,771	7,242	17,529	8.0	0	0	5	2633.4	2263.0	\$676	\$463	\$403	\$1,542	\$1,358,216	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	17	18	0	5	53,583	13,838	39,745	8.3	0	0	171	3237.0	7834.0	\$775	\$571	\$674	\$2,020	\$3,364,464	0.15
COLUMBIA	801.13	69.35	51.1	25	17	19	9	24,992	8,225	16,767	10.3	0	0	156	2682.0	2016.0	\$1,121	\$517	\$343	\$1,980	\$1,586,455	0.15
JUNEAU	500.96	52.69	40.7	9	19	12	1	10,569	4,447	6,122	8.9	0	0	0	1127.0	1386.0	\$967	\$432	\$304	\$1,703	\$852,918	0.17
DODGE	667.73	53.30	59.0	23	18	8	2	19,970	5,716	14,254	8.6	0	0	110	1885.0	2161.0	\$735	\$545	\$382	\$1,662	\$1,109,619	0.16
IOWA	457.1	54.55	46.3	13	19	4	6	8,478	3,090	5,388	6.8	0	0	19	1470.0	1364.0	\$668	\$481	\$396	\$1,545	\$706,215	0.12
MONROE	679.49	61.43	41.8	8	19	8	7	13,755	5,615	8,140	8.3	0	0	0	1275.0	1943.0	\$838	\$408	\$264	\$1,510	\$1,026,071	0.13
ROCK	791.89	47.07	39.0	9	19	2	3	15,286	4,672	10,614	5.9	0	0	16	1613.0	2739.0	\$546	\$441	\$462	\$1,448	\$1,146,957	0.13
VERNON	469.79	88.46	35.3	12	28	15	7	6,988	3,125	3,863	6.7	0	0	0	1015.0	1313.0	\$647	\$412	\$261	\$1,320	\$619,900	0.08
SAUK	594.09	50.63	20.5	3	14	3	7	16,268	4,099	12,169	6.9	0	0	0	1067.0	1428.0	\$744	\$313	\$249	\$1,306	\$775,364	0.14
LAFAYETTE	294.51	71.67	46.2	5	26	8	4	3,507	1,779	1,728	6.0	0	0	1030	780.0	656.0	\$604	\$384	\$255	\$1,243	\$365,943	0.08
JEFFERSON	552.87	62.30	50.5	14	20	11	4	16,157	1,643	14,514	3.0	0	0	231	1493.0	1903.0	\$285	\$552	\$394	\$1,231	\$680,767	0.05
GRANT	646.92	50.39	51.7	1	14	12	2	10,132	3,897	6,235	6.0	0	0	1133	1273.0	1348.0	\$586	\$346	\$226	\$1,158	\$748,866	0.12
GREEN	311.98	61.51	40.9	9	20	9	3	3,846	1,201	2,645	3.8	0	0	7	757.0	725.0	\$459	\$401	\$260	\$1,120	\$349,451	0.06
CRAWFORD	398.22	74.48	41.1	7	18	21	8	5,072	1,672	3,400	4.2	0	0	107	858.0	664.0	\$416	\$305	\$215	\$936	\$372,795	0.06
RICHLAND	321.78	34.68	25.0	6	7	21	3	3,652	1,267	2,385	3.9	0	0	94	647.0	514.0	\$434	\$296	\$174	\$903	\$290,646	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
Region Total	--	--	--	--	--	--	--	222,716	64,683	158,033	--	0	0	3074	--	--	--	--	--	--	\$14,097,528	
Region Average	56.02	39.7		10.1	17.4	9.7	4.4	13,920	4,043	9,877	6.1	0	0	192	1328.1	1767.9	\$620	\$404	\$307	\$1,331	\$881,095	0.11

Storm Report Summary - Thru Week 23 (4/4/24)

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		
Statewide Total	--	--	--	--	--	--	778,295	221,577	556,719	--	0	20	5225.0	--	--	--	--	--	--	\$46,824,601	--
Statewide Average	62.96	42.8	10.6	20.4	9.4	6.4	10,810	3,077	7,732	5.9	0.0	0.3	72.6	1243.2	1140.5	\$587	\$388	\$275	\$1,250	\$650,342	0.10