

Storm Report Summary - Thru Week 4 (11/23/23)

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	3.84	3.5	0	2	0	0	6,813	77	6,736	0.3	0	0	0	46.0	26.0	\$35	\$61	\$16	\$113	\$27,200	0.08
ONEIDA	395.39	11.30	5.7	1	3	2	3	10,347	91	10,256	0.2	0	0	1	171.0	25.0	\$23	\$34	\$24	\$81	\$32,081	0.02
MARATHON	905.42	2.11	2.5	2	1	0	0	14,350	234	14,116	0.3	0	0	0	163.0	43.0	\$30	\$20	\$10	\$60	\$54,686	0.12
PRICE	319.53	2.08	2.0	2	1	0	0	5,925	61	5,864	0.2	0	0	0	78.0	0.0	\$27	\$22	\$10	\$59	\$18,863	0.09
LINCOLN	399.39	2.39	3.0	3	1	0	0	6,729	79	6,650	0.2	0	0	0	95.0	0.0	\$23	\$18	\$11	\$52	\$20,762	0.08
PORTAGE	531.62	2.05	2.0	1	1	0	0	9,000	65	8,935	0.1	0	0	0	153.0	0.0	\$13	\$26	\$13	\$52	\$27,504	0.06
MENOMINEE	90.66	1.21	0.0	0	0	1	0	2,365	16	2,349	0.2	0	0	0	11.0	0.0	\$17	\$11	\$5	\$33	\$2,961	0.15
FLORENCE	137.43	2.02	2.0	0	1	0	0	3,735	32	3,703	0.2	0	0	0	5.0	0.0	\$23	\$8	\$1	\$32	\$4,426	0.12
FOREST	314.49	6.23	5.5	1	2	0	1	7,614	68	7,546	0.2	0	0	0	13.0	4.0	\$24	\$5	\$3	\$31	\$9,880	0.03
WAUPACA	556.87	2.00	3.0	2	1	0	0	11,200	90	11,110	0.2	0	0	0	69.0	0.0	\$15	\$11	\$6	\$31	\$17,215	0.08
LANGLADE	300.29	3.36	3.0	0	1	1	0	5,257	28	5,229	0.1	0	0	0	43.0	0.0	\$9	\$12	\$6	\$27	\$8,174	0.03
SHAWANO	530.27	1.90	2.0	0	1	0	0	9,381	67	9,314	0.1	0	0	0	45.0	0.0	\$11	\$8	\$4	\$22	\$11,779	0.07
MARQUETTE	246.61	1.72	0.5	0	1	0	0	4,857	0	4,857	0.0	0	0	0	29.0	0.0	\$0	\$9	\$6	\$15	\$3,715	0.00
WAUSHARA	343.69	2.05	2.0	0	1	0	0	4,086	16	4,070	0.0	0	0	0	18.0	0.0	\$5	\$5	\$2	\$12	\$4,113	0.02
ADAMS	202.74	2.20	2.0	0	1	0	0	4,280	10	4,270	0.0	0	0	0	10.0	0.0	\$5	\$4	\$2	\$12	\$2,352	0.02
Region Total	--	--	--	--	--	--	--	105,939	934	105,005	--	0	0	1	--	--	--	--	--	--	\$245,713	
Region Average		3.10	2.6	0.8	1.2	0.3	0.3	7,063	62	7,000	0.2	0	0	0	63.3	6.5	\$17	\$17	\$8	\$42	\$16,381	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		
CALUMET	219.46	1.99	2.0	0	1	0	0	2,625	19	2,606	0.1	0	0	0	33.0	0.0	\$8	\$11	\$7	\$26	\$5,732	0.04
MANITOWOC	419.96	1.64	1.0	0	1	0	0	8,700	45	8,655	0.1	0	0	0	15.0	30.0	\$9	\$10	\$6	\$25	\$10,321	0.07
WINNEBAGO	688.27	2.20	2.5	1	1	0	0	11,886	66	11,820	0.1	0	0	0	69.0	4.0	\$10	\$8	\$5	\$24	\$16,364	0.04
FOND DU LAC	611.86	2.20	2.0	0	1	0	0	11,240	76	11,164	0.1	0	0	0	42.0	14.0	\$11	\$7	\$5	\$24	\$14,512	0.06
KEWAUNEE	126.39	4.43	2.0	0	1	2	0	1,770	6	1,764	0.0	0	0	0	15.0	0.0	\$4	\$11	\$6	\$21	\$2,646	0.01
BROWN	860.16	2.00	3.0	4	1	0	0	20,338	18	20,320	0.0	0	0	0	20.0	56.0	\$4	\$8	\$6	\$17	\$14,869	0.01
DOOR	267.29	1.50	1.5	1	1	0	0	4,988	2	4,986	0.0	0	0	0	12.0	0.0	\$3	\$4	\$2	\$10	\$2,645	0.00
MARINETTE	414.39	1.21	0.0	1	0	1	0	9,050	7	9,043	0.0	0	0	0	16.0	0.0	\$4	\$3	\$2	\$9	\$3,791	0.01
SHEBOYGAN	543.53	0.00	0.0	0	0	0	0	10,434	0	10,434	0.0	0	0	0	0.0	0.0	\$0	\$0	\$0	\$0	\$0	0.00
Region Total	--	--	--	--	--	--	--	81,031	239	80,792	--	0	0	0	--	--	--	--	--	--	\$70,881	
Region Average		1.91	1.6	0.8	0.8	0.3	0.0	9,003	27	8,977	0.1	0	0	0	24.7	11.6	\$6	\$7	\$4	\$17	\$7,876	0.03

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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		
DOUGLAS	465.66	2.83	4.0	8	1	0	0	10,432	188	10,244	0.4	0	0	0	168.0	0.0	\$34	\$30	\$15	\$79	\$36,773	0.14
ASHLAND	255.69	4.89	5.0	3	2	0	0	4,475	64	4,411	0.3	0	0	0	61.0	22.0	\$31	\$29	\$17	\$78	\$19,838	0.05
BAYFIELD	345.31	4.23	5.0	1	2	1	0	7,541	94	7,447	0.3	0	0	0	106.0	1.0	\$26	\$28	\$14	\$68	\$23,626	0.06
CLARK	401.81	2.15	3.0	1	1	0	0	7,260	137	7,123	0.3	0	0	0	45.0	21.0	\$39	\$16	\$8	\$63	\$25,231	0.16
PIERCE	368.08	2.33	3.0	0	1	0	0	6,425	119	6,306	0.3	0	0	0	50.0	21.0	\$31	\$15	\$11	\$56	\$20,684	0.14
SAINT CROIX	653.47	2.33	3.0	0	1	0	0	16,486	174	16,312	0.3	0	0	0	88.0	42.0	\$25	\$18	\$13	\$55	\$36,137	0.11
BARRON	428.61	2.44	2.0	2	1	0	0	7,000	89	6,911	0.2	0	0	0	108.0	0.0	\$19	\$23	\$13	\$54	\$23,333	0.09
DUNN	521.2	2.92	2.0	0	1	0	0	13,635	140	13,495	0.3	0	0	0	63.0	24.0	\$26	\$14	\$10	\$50	\$26,183	0.09
PEPIN	109.41	2.11	2.0	0	1	0	0	1,202	15	1,187	0.1	0	0	0	20.0	10.0	\$14	\$21	\$14	\$48	\$5,304	0.07
TREMPEALEAU	420.25	2.14	2.0	0	1	0	0	9,261	81	9,180	0.2	0	0	0	74.0	16.0	\$19	\$16	\$12	\$46	\$19,532	0.09
EAU CLAIRE	531.32	1.96	2.0	0	1	0	0	11,842	82	11,760	0.2	0	0	0	135.0	0.0	\$16	\$18	\$12	\$46	\$24,639	0.08
POLK	374.54	2.50	4.0	1	1	0	0	9,074	82	8,992	0.2	0	0	0	62.0	0.0	\$20	\$14	\$7	\$42	\$15,587	0.09
TAYLOR	232.44	2.02	2.0	0	1	0	0	4,338	29	4,309	0.1	0	0	0	26.0	8.0	\$17	\$11	\$7	\$34	\$8,001	0.06
JACKSON	520.32	2.09	1.0	0	1	0	1	11,703	98	11,605	0.2	0	0	0	44.0	18.0	\$19	\$10	\$6	\$34	\$17,763	0.09
SAWYER	357.2	2.13	1.5	0	1	1	0	5,750	54	5,696	0.2	0	0	0	38.0	7.0	\$14	\$14	\$6	\$34	\$12,036	0.07
WASHBURN	385.68	1.93	2.5	1	1	0	0	7,845	55	7,790	0.1	0	0	0	49.0	5.0	\$13	\$12	\$7	\$33	\$12,615	0.07
CHIPPEWA	653.17	2.09	3.0	0	1	0	0	13,874	92	13,782	0.1	0	0	0	85.0	3.0	\$14	\$11	\$6	\$32	\$20,964	0.07
RUSK	213.1	2.08	2.0	0	1	0	0	3,249	23	3,226	0.1	0	0	0	48.0	0.0	\$11	\$9	\$11	\$31	\$6,586	0.05
BUFFALO	311.87	2.02	2.0	0	1	0	0	3,478	40	3,438	0.1	0	0	0	41.0	0.0	\$12	\$10	\$5	\$28	\$8,810	0.06
BURNETT	235.35	1.96	2.0	0	1	0	0	3,715	33	3,682	0.1	0	0	0	16.0	7.0	\$13	\$8	\$5	\$26	\$6,180	0.07
Region Total	--	--	--	--	--	--	--	158,585	1,689	156,896	--	0	0	0	--	--	--	--	--	--	\$369,820	
Region Average	2.46	2.7		0.9	1.1	0.1	0.1	7,929	84	7,845	0.2	0	0	0	66.4	10.3	\$21	\$16	\$10	\$47	\$18,491	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		
OZAUKEE	321.1	3.60	3.0	2	1	1	0	9,951	198	9,753	0.6	0	0	0	59.0	47.0	\$48	\$28	\$22	\$98	\$31,310	0.17
MILWAUKEE	1574.67	3.47	3.3	0	1	0	0	55,265	657	54,608	0.4	0	0	0	288.0	232.0	\$32	\$25	\$29	\$86	\$135,642	0.12
RACINE	774.85	2.86	2.8	1	1	0	1	18,000	259	17,741	0.3	0	0	0	91.0	112.0	\$29	\$21	\$20	\$69	\$53,335	0.12
WASHINGTON	591.04	2.25	1.8	4	1	1	0	16,230	118	16,112	0.2	0	0	0	102.0	37.0	\$19	\$20	\$13	\$52	\$30,474	0.09
KENOSHA	674.4	2.06	0.7	0	1	0	0	13,300	168	13,132	0.2	0	0	0	103.0	0.0	\$20	\$13	\$9	\$42	\$28,139	0.12
WAUKESHA	1059.84	0.00	0.0	0	0	0	0	41,600	0	41,600	0.0	0	0	0	0.0	0.0	\$0	\$0	\$0	\$0	\$0	0.00
Region Total	--	--	--	--	--	--	--	154,346	1,400	152,946	--	0	0	0	--	--	--	--	--	--	\$278,900	
Region Average		2.37	1.9	1.2	0.8	0.3	0.2	25,724	233	25,491	0.3	0	0	0	107.2	71.3	\$25	\$18	\$15	\$58	\$46,483	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		
DODGE	667.73	2.05	2.0	4	1	1	0	19,970	90	19,880	0.1	0	0	0	106.0	9.0	\$12	\$16	\$9	\$37	\$24,594	0.07
MONROE	679.49	1.76	1.0	0	1	0	0	13,755	143	13,612	0.2	0	0	0	64.0	2.0	\$20	\$8	\$4	\$32	\$22,001	0.12
JUNEAU	500.96	1.72	0.5	1	1	0	0	10,569	67	10,502	0.1	0	0	0	61.0	0.0	\$15	\$11	\$6	\$31	\$15,698	0.08
IOWA	457.1	1.67	1.0	1	1	0	0	8,478	26	8,452	0.1	0	0	0	82.0	2.0	\$7	\$13	\$10	\$29	\$13,198	0.03
VERNON	469.79	1.75	0.5	0	1	0	0	6,988	41	6,947	0.1	0	0	0	2.0	60.0	\$8	\$12	\$8	\$28	\$13,230	0.05
CRAWFORD	398.22	1.91	1.0	0	1	0	0	5,072	12	5,060	0.0	0	0	0	53.0	0.0	\$3	\$11	\$6	\$20	\$7,837	0.02
JEFFERSON	552.87	3.24	1.0	2	1	1	0	16,157	7	16,150	0.0	0	0	0	59.0	7.0	\$3	\$11	\$6	\$20	\$10,851	0.00
LAFAYETTE	294.51	1.94	1.0	0	1	0	0	3,507	13	3,494	0.0	0	0	0	26.0	4.0	\$4	\$8	\$5	\$17	\$4,933	0.02
DANE	1665.78	1.89	0.1	1	1	0	0	53,583	60	53,523	0.0	0	0	0	89.0	29.0	\$3	\$5	\$6	\$15	\$24,691	0.02
COLUMBIA	801.13	3.45	0.2	2	1	0	1	24,992	6	24,986	0.0	0	0	0	27.0	6.0	\$1	\$4	\$2	\$7	\$5,903	0.00
ROCK	791.89	1.60	0.5	0	1	0	0	15,286	11	15,275	0.0	0	0	0	28.0	0.0	\$1	\$3	\$2	\$7	\$5,249	0.01
GREEN	311.98	1.97	1.0	0	1	0	0	3,846	1	3,845	0.0	0	0	0	12.0	0.0	\$0	\$3	\$2	\$5	\$1,627	0.00
GRANT	646.92	1.76	1.0	0	1	0	0	10,132	9	10,123	0.0	0	0	2	12.0	0.0	\$1	\$2	\$1	\$4	\$2,530	0.01
RICHLAND	321.78	0.00	0.0	0	0	0	0	3,652	0	3,652	0.0	0	0	0	0.0	0.0	\$0	\$0	\$0	\$0	\$0	0.00
Region Total	--	--	--	--	--	--	--	195,987	486	195,501	--	0	0	2	--	--	--	--	--	--	\$152,341	
Region Average	1.91	0.8	0.8	0.8	0.9	0.1	0.1	13,999	35	13,964	0.1	0	0	0	44.4	8.5	\$6	\$7	\$5	\$18	\$10,881	0.03

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			Anti-Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
Statewide Total	--	--	--	--	--	--	695,888	4,748	691,140	--	0	0	3.0	--	--	--	--	--	--	\$1,117,655	--
Statewide Average	2.40	2.0	0.8	1.0	0.2	0.1	10,873	74	10,799	0.2	0.0	0.0	0.0	58.8	14.9	\$15	\$13	\$8	\$36	\$17,463	0.06