

2026 Spring Snow Melt Response Plan



Sturgeon
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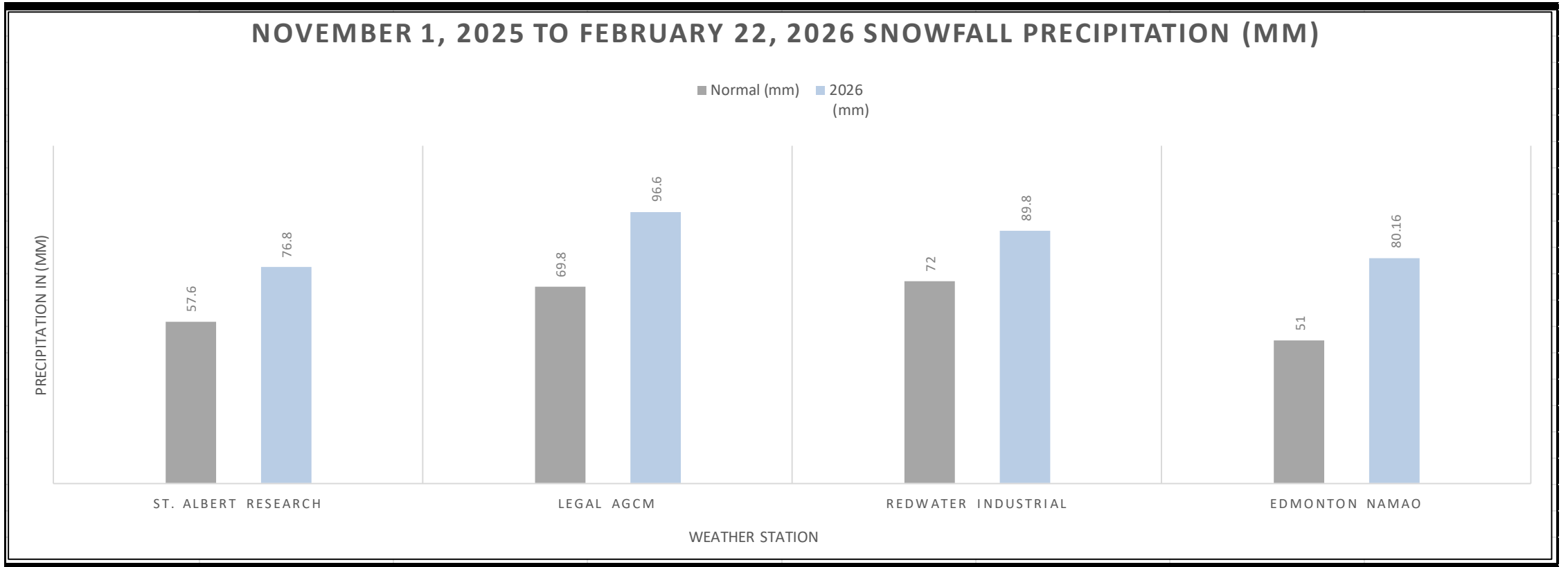
2026 Spring Snow Melt Update

- 2026 runoff risk is in the medium range.
- Transportation & Engineering has a strategy in place for spring conditions.

2026 Spring Runoff Risk Matrix

2026-02-22	Risk	Numerical Value	Reason
Soil Moisture Reserves (Antecedent Saturation)	Low	1	Alberta February 12, 2026 moisture situation report "soil moisture reserves across Alberta are currently estimated to be low to very low compared with long-term normals"
Winter Precipitation Accumulation	High	3	Current accumulations are 137% of normal based on 4 weather stations in Sturgeon County November 1, 2025 to February 22, 2026. Low = <60% normal; Med = 60-110%; High = >110%
Ambient Temperature & Heat Intensity	Low	1	Winter precipitation primarily melted in February due to higher than normal temperatures. Risk will depend on the accumulation received in the remainder of winter season. Low = February to Mid-March; Med = Mid-March to Mid-April; High = Late April
Summary			
Overall Numerical Sum	Overall Risk Rating	Operational Response	
5	Medium	<ul style="list-style-type: none"> - Activate and maintain a 17-hour internal response posture; - Monitor forecast and ensure administrative readiness for assessed peak events; - Complete flood prevention snow removal; - Secure contractor support and prepare for up to a 50% surge in external resource requirements. 	

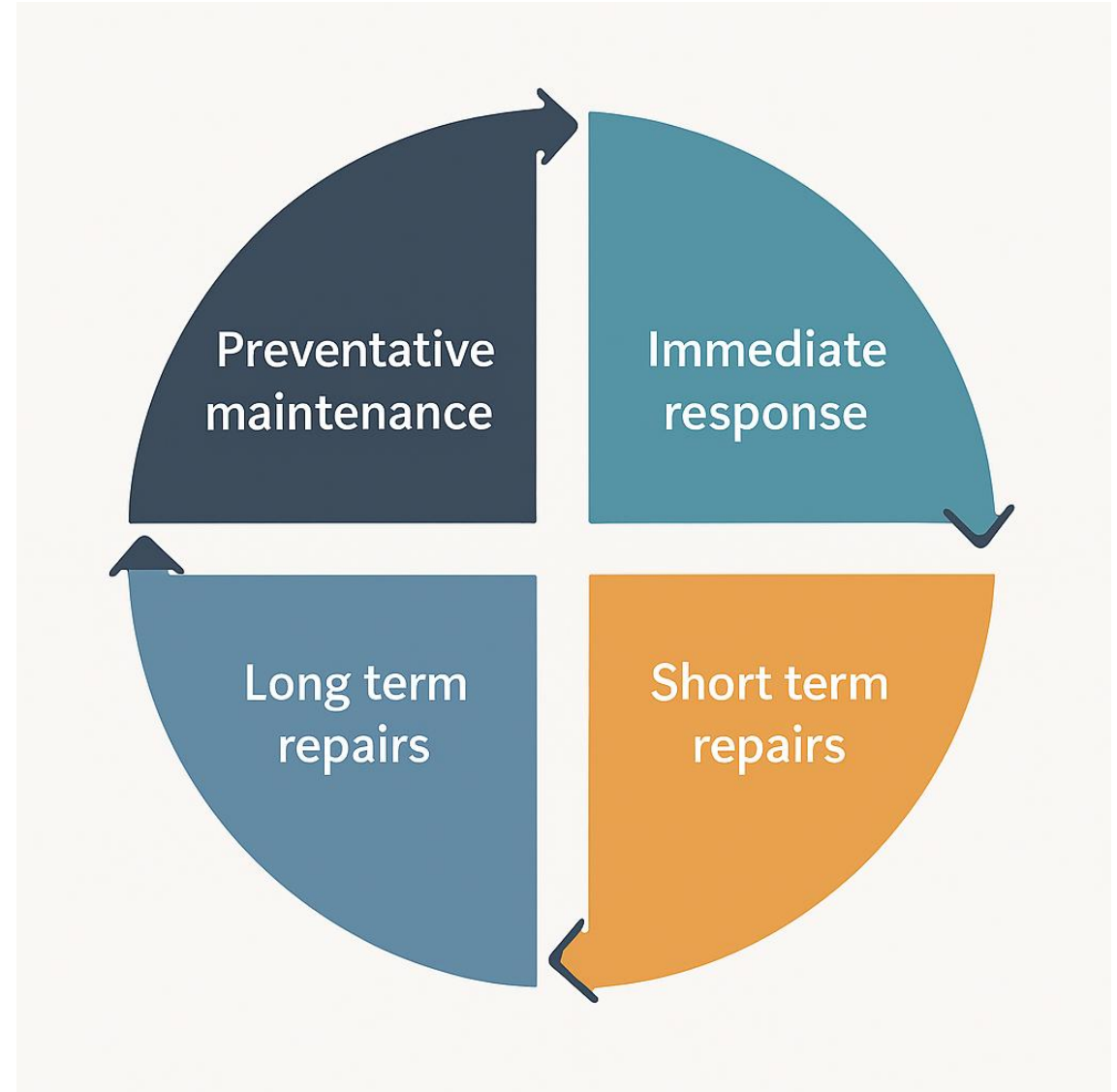
Current Winter Precipitation Analysis



Internal Equipment

Equipment Availability:	
	1 - Truck Mounted Steamer 002-218
	2 - Truck Mounted Steamer 008-205
	1 - Trailer Steamer 107-155
	1 - 3" Trailer Pump 107-170
	1 - 4" Trailer Pump 107-169
	1 - 6" Trailer Pump 107-161
	2 - 2" Trash Pumps
	2 - 3" Trash Pumps
	2 - 4" Trash Pumps
	1 - Signage Truck
	1 - Trackhoe 055-159
	1 - Trackhoe 055-157
	1 - Hose Reel Trailer 107-172
	200m (650 Ft) - 24" Tigerdam
	1000m (3280 Ft) - 6" Layflat Hose

Response plan



Examples – Preventative Maintenance



Examples – Immediate Response



Examples – Short-Term Repairs



Examples – Long-Term Repairs



Next Steps

- Deploy the 2026 spring snowmelt maintenance plan.
- Continue to fund and repair re-occurring drainage issue locations.



Questions?

Thank you!

Winter Maintenance

FEBRUARY 2026 PAVED ROADS UPDATE

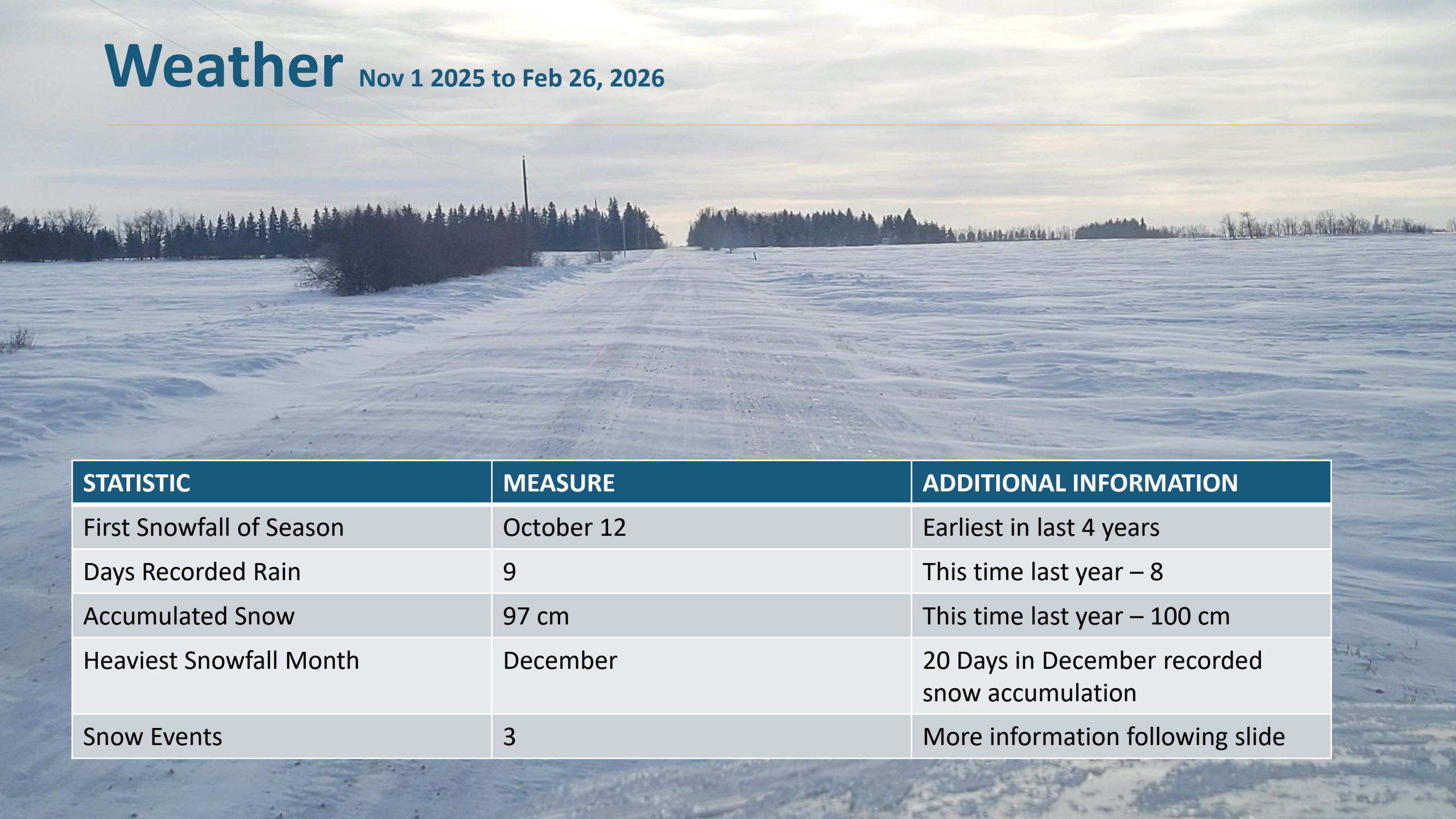
Transportation & Engineering Services



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Weather

Nov 1 2025 to Feb 26, 2026



STATISTIC	MEASURE	ADDITIONAL INFORMATION
First Snowfall of Season	October 12	Earliest in last 4 years
Days Recorded Rain	9	This time last year – 8
Accumulated Snow	97 cm	This time last year – 100 cm
Heaviest Snowfall Month	December	20 Days in December recorded snow accumulation
Snow Events	3	More information following slide

Snow Events Nov 1, 2025 to Feb 26, 2026



24HR LOS
11hrs ahead

72HR LOS
33hrs ahead

24HR LOS
8.3hrs ahead

72HR LOS
29.8hrs
ahead

24HR LOS
8hrs ahead

72HR LOS
44.3hrs
ahead

CURRENT & PAST SNOW EVENTS

Feb17 SNOW EVENT

Comments: Higher wind event - prevailing drifting.

SNOW ACCUMULATION - 22.000000 cm



EVENT START - 2026-02-17, 9:00 p.m.

24HR LOS LIMIT - **2026-02-18, 9:00 p.m.**

72HR LOS LIMIT - **2026-02-20, 9:00 p.m.**

24HR LOS FINISH: 2026-02-18, 10:00 a.m. -

Met

72HR LOS FINISH: 2026-02-19, 12:00 p.m. -

Met

Dec25 SNOW EVENT

Comments:

SNOW ACCUMULATION - 10.000000 cm



EVENT START - 2025-12-25, 12:15 a.m.

24HR LOS LIMIT - **2025-12-26, 12:15 a.m.**

72HR LOS LIMIT - **2025-12-28, 12:15 a.m.**

24HR LOS FINISH: 2025-12-25, 4:00 p.m. -

Met

72HR LOS FINISH: 2025-12-26, 6:30 p.m. -

Met

Dec17 SNOW EVENT

Comments:

SNOW ACCUMULATION - 12.000000 cm



EVENT START - 2025-12-17, 6:00 p.m.

24HR LOS LIMIT - **2025-12-18, 6:00 p.m.**

72HR LOS LIMIT - **2025-12-20, 6:00 p.m.**

24HR LOS FINISH: 2025-12-18, 10:00 a.m. -

Met

72HR LOS FINISH: 2025-12-18, 9:45 p.m. -

Met

Cardiff Echoes Blow and Haul



# Blow and Haul this Season	Loads Hauled Out	Days to Complete	Dump Location
1	220	1.5	Morinville Snow Dump

Staffing



2025/2026 Winter Season - Daily Paved Staff Status

Winter Start Date:	Mon, 11-3-2025	DAY SHIFT	Green	Yellow	Red	Green	Yellow	Red	AFTERNOON SHIFT
			61%	36%	3%	68%	32%	0%	

CHART DESCRIPTION:

DAYSHIFT

GREEN indicates FULL STAFFING - 10 OR MORE STAFF IN

YELLOW indicates 7 TO 9 STAFF IN

RED indicates 6 OR LESS STAFF IN

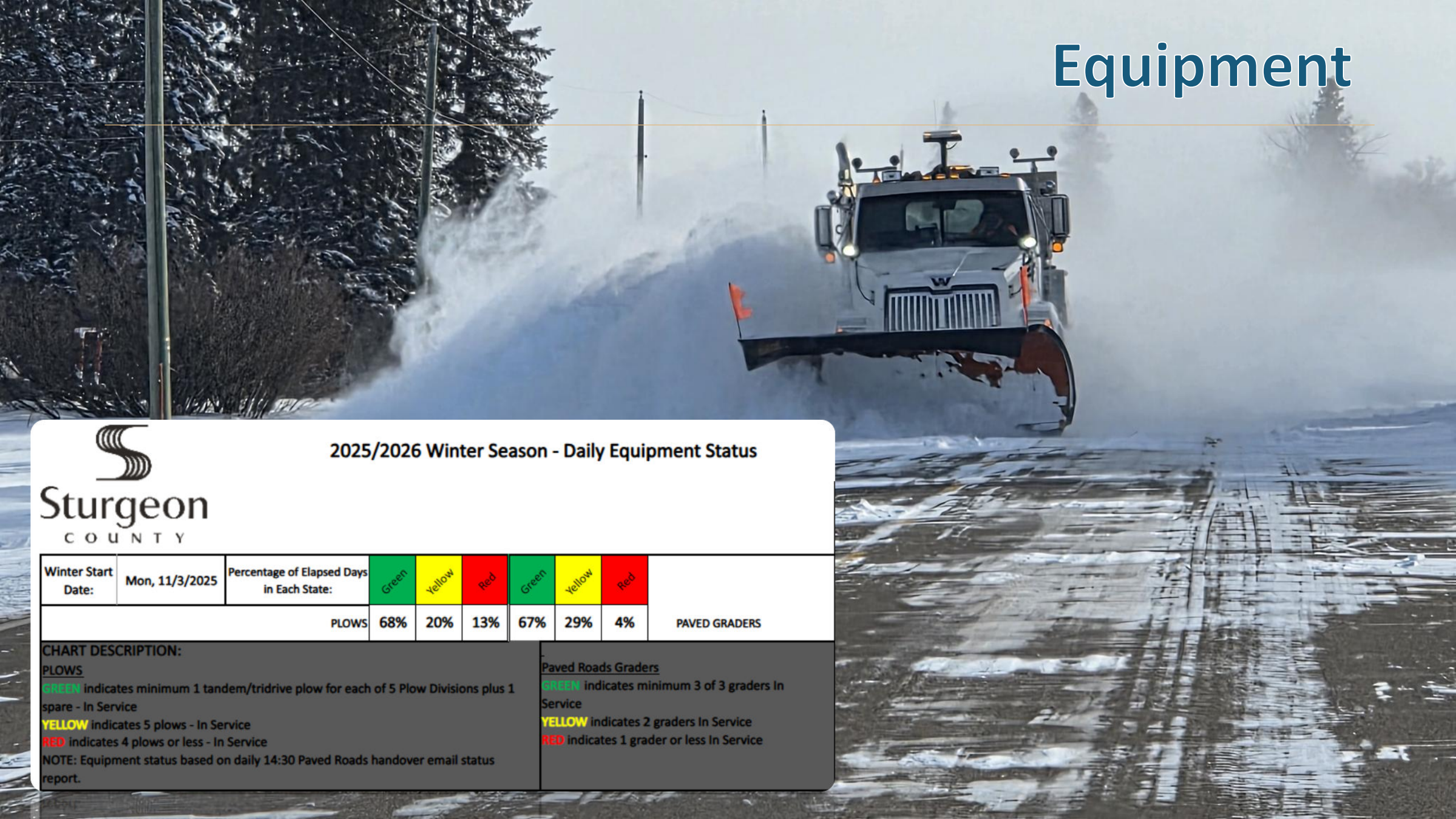
AFTERNOON SHIFT

GREEN indicates FULL STAFFING - 5 OR MORE STAFF IN

YELLOW indicates 3 TO 4 STAFF IN

RED indicates 2 OR LESS STAFF IN

Equipment



2025/2026 Winter Season - Daily Equipment Status

Winter Start Date:	Mon, 11/3/2025	Percentage of Elapsed Days in Each State:	Green	Yellow	Red	Green	Yellow	Red	
		PLOWS	68%	20%	13%	67%	29%	4%	PAVED GRADERS

CHART DESCRIPTION:

PLOWS

GREEN indicates minimum 1 tandem/tridrive plow for each of 5 Plow Divisions plus 1 spare - In Service

YELLOW indicates 5 plows - In Service

RED indicates 4 plows or less - In Service

NOTE: Equipment status based on daily 14:30 Paved Roads handover email status report.

Paved Roads Graders

GREEN indicates minimum 3 of 3 graders In Service

YELLOW indicates 2 graders In Service

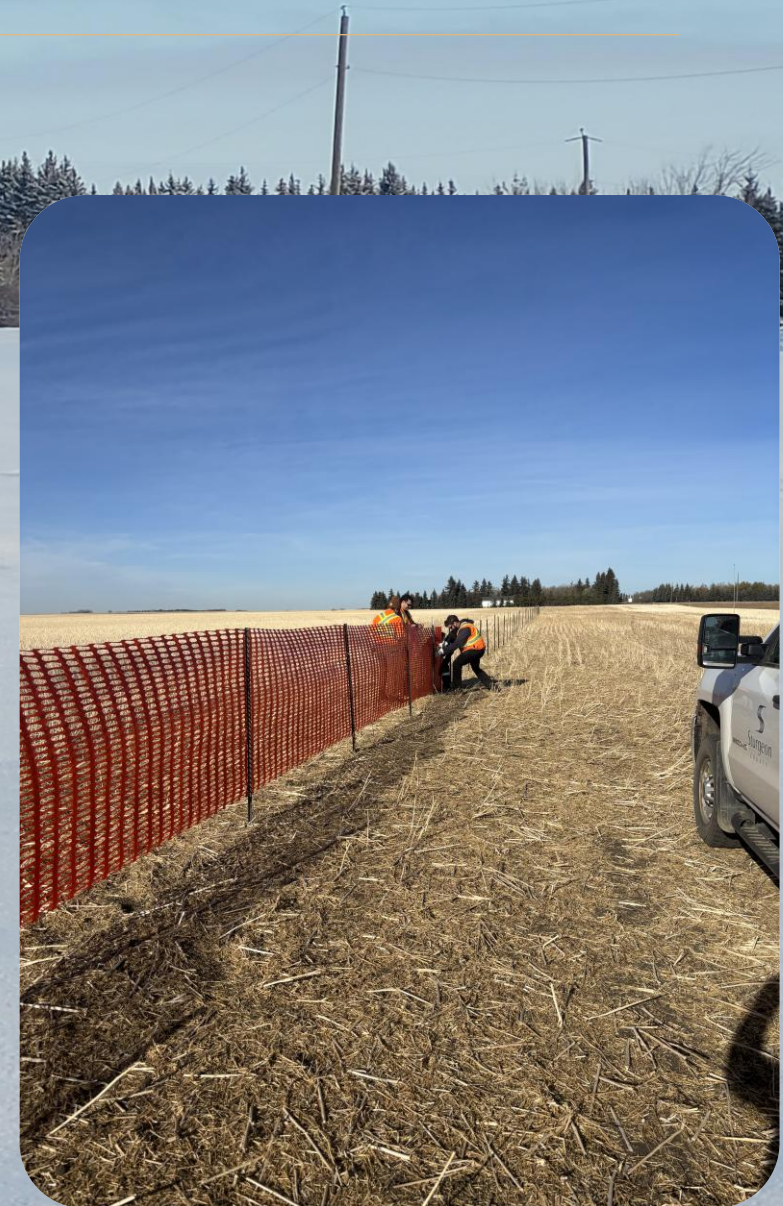
RED indicates 1 grader or less In Service

Materials



Material	Quantity Used	Quantity Remaining
Street Sand	4,300 tonne	950 tonne or 15%
Road Salt	1,900 tonne	Ordered on demand
Rock Chip	200 tonne	50 tonne

Snow Fence



- Snow fence performing well at installed locations
 - 7 locations totaling 1,607 meters
- Improved quality of snow fence purchased
- Corrected installation method – confirmed attached to prevailing wind side & 150mm above ground surface

Secondary Work



- Sign Repairs
- Brushing
- Pothole Repairs
- Garbage pickup

Winter Maintenance & Spring Preparedness

FEBRUARY 2026 GRAVEL ROADS UPDATE

Transportation and Engineering Services



Sturgeon
C O U N T Y

Snow Events

Nov 1, 2025 to Feb 26, 2026

CURRENT & PAST SNOW EVENT SUMMARY

Feb17 SNOW EVENT

Comment: Higher wind event - prevailing drifting.

SNOW ACCUMULATION - 22.000000 cm
EVENT START - 2/17/2026, 9:00 PM
72HR LOS LIMIT - 2/20/2026, 9:00 PM

72HR LOS
11 hrs ahead

72HR LOS FINISH: 2/20/2026, 10:00 AM - **Met**

Dec25 SNOW EVENT

Comment:

SNOW ACCUMULATION - 10.000000 cm
EVENT START - 12/25/2025, 12:15 AM
72HR LOS LIMIT - 12/28/2025, 12:15 AM

72HR LOS
10.50 hrs ahead

72HR LOS FINISH: 12/27/2025, 1:30 PM - **Met**

Dec17 SNOW EVENT

Comment:

SNOW ACCUMULATION - 12.000000 cm
EVENT START - 12/17/2025, 6:00 PM
72HR LOS LIMIT - 12/20/2025, 6:00 PM

72HR LOS
2 hrs ahead

72HR LOS FINISH: 12/20/2025, 4:00 PM - **Met**

-GRAVEL ROADS SERVICED-

1,402 KM

of 1,402 KM

Last update: a few seconds ago

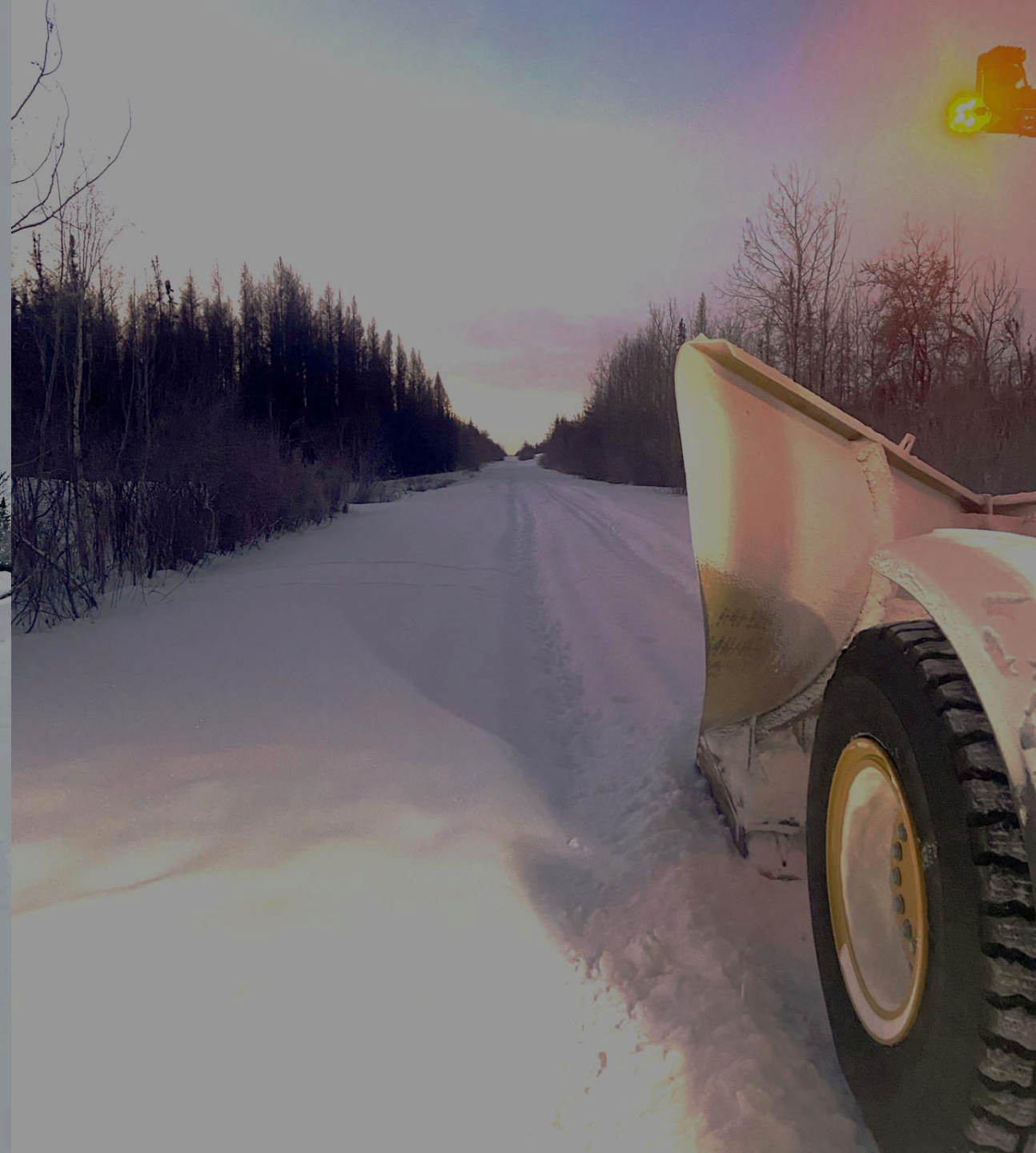
Percent Total Gravel Plowed

✓ 100.0%
of GRAVEL Complete

Christmas @ The County



Snow Plowing



Detailed Cleanup & Private Driveways

60 Private Driveways
Complete



Routine Maintenance



Winds Events

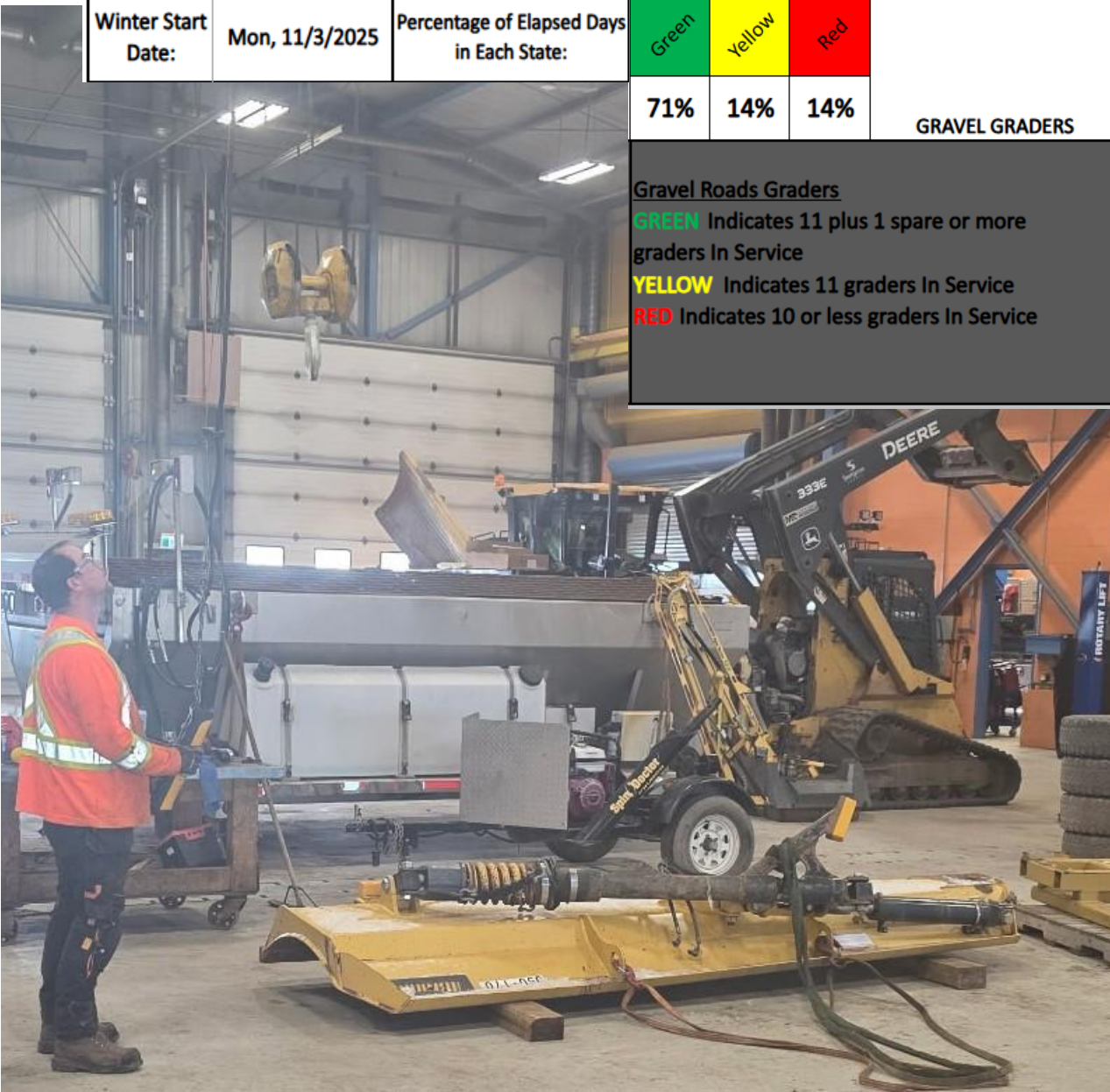


Rain Events



2025/2026 Winter Season- Daily Equipment Status

Winter Start Date:	Mon, 11/3/2025	Percentage of Elapsed Days in Each State:	Green	Yellow	Red	
			71%	14%	14%	GRAVEL GRADERS
<p>Gravel Roads Graders GREEN Indicates 11 plus 1 spare or more graders In Service YELLOW Indicates 11 graders In Service RED Indicates 10 or less graders In Service</p>						



Spring Roads

- ✓ Spring preparedness (Grader Operators)
- ✓ Gravel Stockpiles (40mm Aggregate)
- ✓ Emergency Sign Package
- ✓ Document for future repair



Materials





Questions?

Thank you!