

Subject: **Dust Suppression Rates - 2024**  
 Meeting Date: Tuesday, April 23, 2024  
 Prepared By: Mike Ziehr, Director of Infrastructure  
 Presented By: Mike Ziehr, Director of Infrastructure

**RECOMMENDED MOTION:**

That Council approve the Dust Suppression rates as presented and direct administration to amend the Master Rates Bylaw to include these rates.

**STRATEGIC PLAN ALIGNMENT: (Check all that apply)**

	<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>
High Quality Infrastructure		Economic Resilience		Quality of Life		Effective Leadership		Level of Service	

**RELEVANT LEGISLATION:**

Provincial (cite)- N/A  
 Council Bylaw/Policy (cite)- Kneehill County Policy #13-4.

**BACKGROUND/PROPOSAL:**

Kneehill County Dust Suppression Policy 13-4 details that rates for the spec crude and calcium applications will be set based on product costs as of March in the current year. The 2024 product costs for calcium and spec crude are comparable to 2023 costs.

The proposed 2024 rates for Calcium Dust Suppression are as follows:

	2023 Rate	2024 Rate
<b>Full Calcium Chloride (2 Applications)</b>	\$10.50 / metre	\$10.00 / metre
<b>Top Spray Calcium (1 Application)</b>	\$5.25 / metre	\$5.00 / metre
<b>Spec Crude</b>	\$62.00 / metre	\$56.00 / metre



**DISCUSSION/OPTIONS/BENEFITS/DISADVANTAGES/OTHER CONSIDERATIONS:**

A thorough cost analysis was performed on the 2023 Dust Control program. With the additional tracking of gravel and dust control product volumes, equipment, and labour hours, a more detailed estimate of costs per metre has been developed.

There were 14 kms of ratepayer paid calcium chloride dust control applications in 2023, with a total volume of 290,000 litres of calcium applied. There were also 1.5 kms of spec crude applied.

The costs to supply and install the calcium chloride are as follows:

Calcium Chloride product cost	\$1.90 per lineal metre
Gravel cost	\$4.47 per lineal metre
Equipment/labour	\$3.63 per lineal metre
<b>Total</b>	<b>\$10.00 per lineal metre</b> <b>\$3.04 per foot</b>

The costs to supply and install the spec crude are as follows:

Contractor equipment and product	\$41.76 per lineal metre
Gravel cost	\$4.47 per lineal metre
Kneehill County Equipment/labour	\$9.77 per lineal metre
<b>Total</b>	<b>\$56.00 per lineal metre</b> <b>\$17.07 per foot</b>

**FINANCIAL & STAFFING IMPLICATIONS:**

Dust abatement products mitigate the impact of dust on properties located adjacent to gravel roads within the County. Maintaining these rates as close to true cost will allow more residents the option of participating in the program.

**RECOMMENDED ENGAGEMENT:**

Directive Decision (Information Sharing, One-Way Communication)			
Tools:	Individual Notification	Other:	

**ATTACHMENTS:**

N/A

**COUNCIL OPTIONS:**

1. That Council approve the recommended motions as presented.
2. That Council does not approve the recommended motions as presented.
3. That Council suggests alternate options to the motions.

**FOLLOW-UP ACTIONS:**

If Council approves the proposed rates they will be updated in the Master Rates Bylaw.

**APPROVAL(S):**

Mike Haugen, Chief Administrative Officer

Approved-

