COST SHARE PROJECT FORM: CHLORIDE REDUCTION

Instructions

- Answer all questions thoroughly and completely for your proposed chloride reduction project.
- This is one part of multiple pieces required for a complete cost share grant application.

The following is meant to serve as an example for NMCWD’s Cost Share Grant chloride project form. The site depicted and corresponding information is fictional.

Questions

1. Name of Applicant or Organization: City of Somewherevile

2. Which source(s) of chloride does this project address (municipal applications, school district applications, private parking lot applications, sidewalks, driveway, etc.)? This project addresses municipal road applications in the defined project area by applying an increased plowing schedule.

3. Describe any outreach and training that will accompany the project. Examples include staff training in use of new equipment, signage, or residential education. Staff will be training on how to read and execute the new schedule. The residents in the area will be informed by mailed flyers about the trial period. There will also be a webpage on our website about the project. As homes sell within the designated area, new flyers will be sent to the new owners. The results at the end of the project will be communicated via the webpage.

4. Provide an estimate of how much chloride is being applied to the designated area currently per winter season. Provide an estimate of how much will be applied when the project is complete. Currently, approximately 9 tons is being used in this area in one winter season. We estimate that the increased plowing schedule will drop this by 5 tons, so that about 4 tons will be used.

5. What is the estimated reduction percentage per winter season? To get this number use the formulas listed below, in order

\[
\text{9 tons - 4 tons} = 5 \text{ tons reduced} \quad \frac{5 \text{ tons}}{9 \text{ tons}} \times 100 = 55.5\% \text{ decrease}
\]
\[
\text{current salt use} - \text{future salt use} = \text{change in salt use}
\]

\[
\left(\frac{\text{change in salt use}}{\text{current salt used}}\right) \times 100 = \text{percent change}
\]

6. Are there any indicators besides chloride reduction that will help determine the success of the project? As the project is ongoing, we’ll look at the feasibility of executing an increased plowing schedule with staff and equipment availability. If it is feasible, that will be considered a success.

7. If the cost share grant will fund equipment, attach a drawing or picture of the equipment proposed.

This project is not funding new snow removal equipment. It is only funding the software program needed to build the increased plowing schedule for a single area.

8. Describe how the equipment will be used while in operation (back of City pickup truck, attachment on front of snowplow blade, etc.) and when it will be used (before a storm, during a storm, etc.).

The new software will be used before the winter season to build a new plowing schedule for multiple common scenarios, including light snow < 1 inch, medium snow 1-2.5 inches, or heavy snow >2.5 inches.

9. Attach a map showing the areas where chloride reduction will take place as a result of this project (show areas inside and outside the District).

10. What percentage of the chloride reduction activities will occur in the Nine Mile Creek Watershed District? District borders can be found here: [https://www.ninemilecreek.org/are-you-in-the-watershed/](https://www.ninemilecreek.org/are-you-in-the-watershed/)

100% of the chloride reduction will take place in NMCWD.

Continue on to remaining application steps listed on [https://www.ninemilecreek.org/get-involved/grants/applications/](https://www.ninemilecreek.org/get-involved/grants/applications/)
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