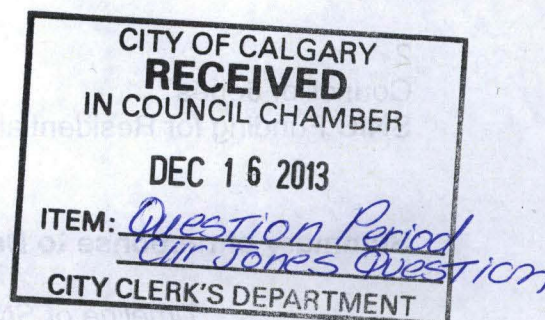




THE CITY OF  
**CALGARY**  
TRANSPORTATION

**OFFICE OF THE GENERAL MANAGER**



**Memo**

2013 December 15

**To:** Councillor Jones  
Ward 5  
Councillor's Office (#8001)

**From:** Malcolm Logan, P.Eng.  
General Manager  
Transportation (#8067)

<http://www.calgary.ca/CA/city-clerks/Documents/Council-policy-library/tp004.pdf>

**Re: SNIC Funding and Summary of December 2, 2013 Snow Storm Response**

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**SNIC Funding for Residential Streets**

On 2010 November 29, Council approved the addition of \$10 million to enhance the Snow and Ice Control (SNIC) budget. This approved increase enabled Administration to implement the revised Snow and Ice Control Policy approved on 2009, December 14 and amended 2011, June 20.

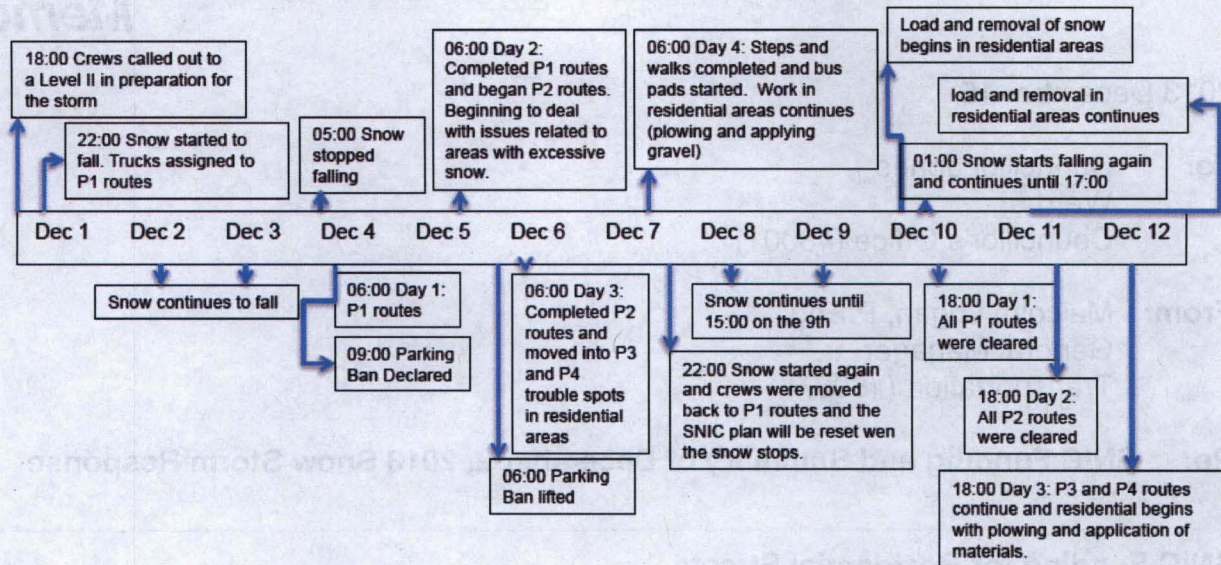
The SNIC policy is to complete priority 1 and 2 routes, then the priority 3 and 4 trouble spots. After the priority roads are complete, trucks are sent into the residential areas to apply grit material to slippery sections and flat blade any ruts. Flat blade means we turn the blade downward and do not angle it because the goal is to level out the rutting in the roadway and not create windrows. One of the issues with adding salt to a hard snow packed road, is when the weather turns warmer, this road will rut sooner because of the underlying salt.

Council's Snow and Ice Control (SNIC) Policy (<http://www.calgary.ca/CA/city-clerks/Documents/Council-policy-library/tp004.pdf>) states that residential roads will be plowed with accumulation of 12 cm or greater, following the completion of priority 1 through 4 designated roadways. The service levels for residential areas specify that "snow would be cleared to a hard pack snow standard [not bare pavement] and that the removal of windrows will be the responsibility of the abutting property owner if action is desired".



## Summary of response to December 1 to 10<sup>th</sup> snow events

### Timeline of SNIC events from 2013 December 1 to the 12<sup>th</sup>



By 2013, December 5 40% of the Priority 1 routes were completed. On December 6, 100% of the priority 1 routes and 70% of the Priority 2 routes were complete. By December 7<sup>th</sup> 100% of the Priority 2 routes completed and crews began to move into residential areas. For the second storm that started on December 10, Roads crews had 100% of the Priority 1 routes completed on December 11 and 100% of the Priority 2 routes completed by December 12 while work continued in some of the hardest hit residential communities.

### Skyview Ranch Response

To speak specifically about Skyview Ranch, Roads was working on the entrance road (128 Avenue NE) during the initial storm because it is a Priority 1 route. There are also a number of Priority 2 routes in the area (see Attachment 1 for map).

The Manager of Roads, Maintenance assessed the conditions and recognized that the first storm was exceptional and on December 2 contracted equipment was called in to augment City forces. Load and removal equipment were scheduled to be in SkyView Ranch 2013 December 9. Loading and removal of snow is not part of the 7-day SNIC plan and is typically not completed in residential areas. With the snow beginning again early morning December 10, Roads crews were required to return to the Priority 1 routes. In order to continuing the loading and removal of snow in Skyview Ranch, Roads continued to make use of contracted forces (see attachment for graph).



The availability of contracted equipment is limited by their winter staffing levels and by their additional clearing commitments.

Recognizing the exceptional nature of this event, an opportunity exists to learn from it and update our SNIC response strategy. Roads has begun a detailed 'lessons learned' that may result in proposed amendments to the Snow and Ice Control Policy.

I trust that this memo explains the action Roads took in response to this month's weather.

Yours truly,

Malcolm Logan, P.Eng., MBA  
General Manager  
Transportation  
T 268-5637 | F 268-5645 | Mail code #8067  
Floor #7, Municipal Building

ML/RJ/sa

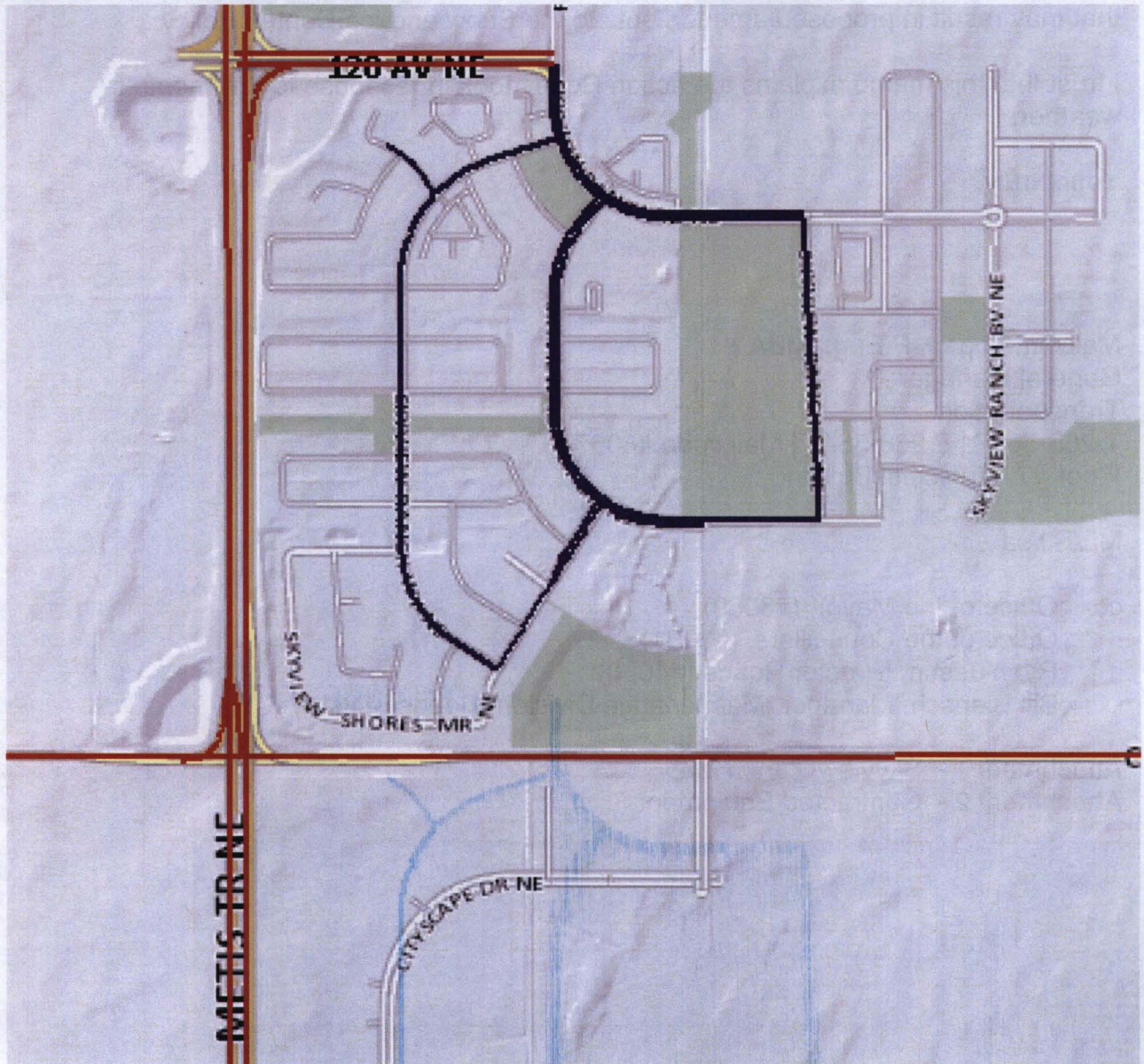
cc: Office of the Mayor, (#8069)  
Office of the Councillors, (#8001)  
Ryan Jestin, Director Roads (#4000)  
Bill Biensch, Manager, Maintenance Division, Roads (#4010)

Attachment 1 – Skyview Ranch Map  
Attachment 2 – Contracted Equipment



**ATTACHMENT 1**

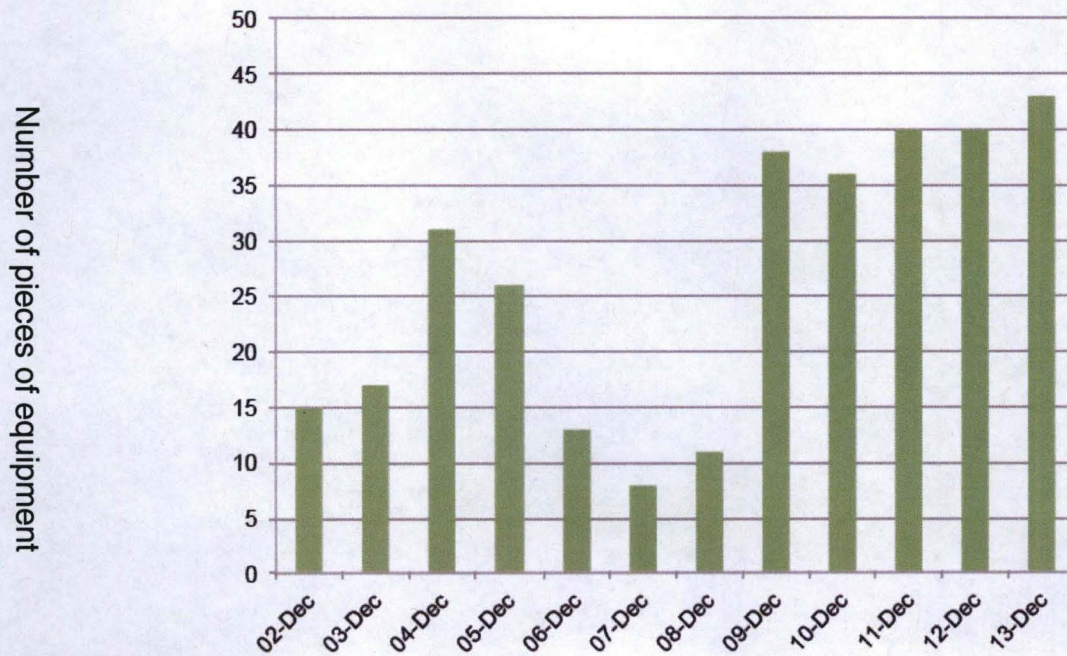
Map: Google image of Skyview Ranch community including Priority 1 routes (red) and Priority 2 routes (dark blue)





**ATTACHMENT 2**

*Graph: Numbers of contracted equipment used each day from 2013 December 2 through to 2013 December 13. The equipment each day was a combination of sanders, graders, bobcats, loaders, tandems and snow blowers.*



2013 December storm days on which contracted equipment was used