

## Electric Resurfacer Survey Results

There were 29 responses to the survey.

Of the 29 there were 27 who use the Zamboni Model 552 resurfacer, one Olympia, and one Ukko.

The age of the machines ranged from 6 months to 25 years with an average of 9.6 years.

The number of ice cuts per day was much more consistent ranging from 6 to 15 with an average of about 10.

Comments on the machines were, for the most part, positive from everyone who responded. Most respondents stated the most important factor was to properly maintain the water level and proper conditioning of the batteries. Also, the average life expectancy of a battery pack seems to be in the range of 5 to 6 years with some getting as much as 7 to 8 years. Those appear to be seasonal facilities with fewer daily cuts. Another point was that the majority of facilities spot or opportunity charge regularly in order to be able to get through the day, especially when the operators have to do heavier cuts. It appears the deeper you cut the quicker the batteries discharge. Last was the fact that when batteries are new, you can get about 13 to 15 cuts per day without recharging. With each passing year that number drops with an average of about 7 to 8 cuts by year 4. Of course the highest compliment received was that electric machines are preferred due to emissions concerns.

The only negative comment was the varying cost of batteries when it becomes time to replace them. It seems to range depending on the availability and one respondent claimed the current cost of lead. Either way some responses state the cost ranged from \$5000 to \$10000 but I did not take into account location or how long ago the replacements were completed. The only other issue that was stated by more than a few respondents was that they could only complete 2 to 3 cuts back to back before having to allow the motor to cool; they just wish they could do more when necessary.

Thank you to everyone who responded.